

Oregon Harris Manufacturing Report



 **HARRIS**
INFOSOURCE™
Our Quality Enables Your Growth

(c) Copyright Harris InfoSource International, Inc.
2057 E. Aurora Rd. Twinsburg, OH 44087 (800) 888-5900
Reproduction Strictly Prohibited

Table of Contents

Oregon Manufacturing Report	1
State Wide Data.....	1
Overview.....	1
Industry Sector Definitions:.....	2
Three Year Trends.....	3
State Rank.....	4
Summary Breakdown by Sector.....	5
Summary Breakdown -- Firm Charts.....	6
Summary Breakdown -- Employment Charts.....	7
Summary Breakdown -- Sales Charts.....	8
Firms Density Map.....	9
Employment Density Map.....	10
Density Map Statistics.....	11
Major Metro Areas Breakdown.....	13
Major Firms.....	14
Aerospace/Defense.....	17
Sector Breakdown by Industry.....	18
Firm Density.....	19
Employment Density.....	20
Density Map Statistics.....	21
Major Firms.....	23
Industry Breakdown by SIC Codes.....	24
Industry Breakdown by NAICS Codes.....	25
Automotive Transport.....	26
Sector Breakdown by Industry.....	27
Firm Density.....	31
Employment Density.....	32
Density Map Statistics.....	33
Major Firms.....	35
Industry Breakdown by SIC Codes.....	36
Industry Breakdown by NAICS Codes.....	37
Chemicals.....	38
Sector Breakdown by Industry.....	39
Firm Density.....	40
Employment Density.....	41
Density Map Statistics.....	42
Major Firms.....	44
Industry Breakdown by SIC Codes.....	45
Industry Breakdown by NAICS Codes.....	46
Computer Hardware.....	47
Sector Breakdown by Industry.....	48
Firm Density.....	49
Employment Density.....	50
Density Map Statistics.....	51
Major Firms.....	53
Industry Breakdown by SIC Codes.....	54
Industry Breakdown by NAICS Codes.....	55
Consumer Products.....	56
Sector Breakdown by Industry.....	57
Firm Density.....	61

Table of Contents

Employment Density.....	62
Density Map Statistics.....	63
Major Firms.....	65
Industry Breakdown by SIC Codes.....	66
Industry Breakdown by NAICS Codes.....	69
Drugs.....	72
Sector Breakdown by Industry.....	73
Firm Density.....	74
Employment Density.....	75
Density Map Statistics.....	76
Major Firms.....	78
Industry Breakdown by SIC Codes.....	79
Industry Breakdown by NAICS Codes.....	80
Electronics.....	81
Sector Breakdown by Industry.....	82
Firm Density.....	86
Employment Density.....	87
Density Map Statistics.....	88
Major Firms.....	90
Industry Breakdown by SIC Codes.....	91
Industry Breakdown by NAICS Codes.....	92
Food, Beverage, Tobacco.....	93
Sector Breakdown by Industry.....	94
Firm Density.....	98
Employment Density.....	99
Density Map Statistics.....	100
Major Firms.....	102
Industry Breakdown by SIC Codes.....	103
Industry Breakdown by NAICS Codes.....	105
General Manufacturing.....	107
Sector Breakdown by Industry.....	108
Firm Density.....	112
Employment Density.....	113
Density Map Statistics.....	114
Major Firms.....	116
Industry Breakdown by SIC Codes.....	117
Industry Breakdown by NAICS Codes.....	120
Health Products.....	123
Sector Breakdown by Industry.....	124
Firm Density.....	125
Employment Density.....	126
Density Map Statistics.....	127
Major Firms.....	129
Industry Breakdown by SIC Codes.....	130
Industry Breakdown by NAICS Codes.....	131
Industrial Machinery Equipment.....	132
Sector Breakdown by Industry.....	133
Firm Density.....	137
Employment Density.....	138
Density Map Statistics.....	139

Table of Contents

Major Firms.....	141
Industry Breakdown by SIC Codes.....	142
Industry Breakdown by NAICS Codes.....	144
Materials and Construction.....	146
Sector Breakdown by Industry.....	147
Firm Density.....	148
Employment Density.....	149
Density Map Statistics.....	150
Major Firms.....	152
Industry Breakdown by SIC Codes.....	153
Industry Breakdown by NAICS Codes.....	154
Media.....	155
Sector Breakdown by Industry.....	156
Firm Density.....	157
Employment Density.....	158
Density Map Statistics.....	159
Major Firms.....	161
Industry Breakdown by SIC Codes.....	162
Industry Breakdown by NAICS Codes.....	163
Metals and Mining.....	164
Sector Breakdown by Industry.....	165
Firm Density.....	166
Employment Density.....	167
Density Map Statistics.....	168
Major Firms.....	170
Industry Breakdown by SIC Codes.....	171
Industry Breakdown by NAICS Codes.....	172
Telecommunications.....	173
Sector Breakdown by Industry.....	174
Firm Density.....	175
Employment Density.....	176
Density Map Statistics.....	177
Major Firms.....	179
Industry Breakdown by SIC Codes.....	180
Industry Breakdown by NAICS Codes.....	181
Portland–Vancouver.....	182
Summary Breakdown by Sector.....	183
Major Firms.....	187
Eugene–Springfield.....	188
Summary Breakdown by Sector.....	189
Major Firms.....	193
Salem.....	194
Summary Breakdown by Sector.....	195
Major Firms.....	199
Medford–Ashland.....	200
Summary Breakdown by Sector.....	201
Major Firms.....	205
Appendix.....	206
Terms.....	206
Classification Systems.....	206

Table of Contents

Sectors as a % of State and US Graphs:.....	206
Major Company Locations.....	206
Metropolitan Areas.....	206
Harris InfoSource.....	207
Terms of Use.....	207

Oregon Manufacturing Report

Overview

Oregon's economy shifted from solely using its abundant natural resources to include manufacturing and services halfway through the 20th century. Currently, 15 percent of Oregon's workforce is employed in the manufacturing industry. Of these, one-fourth work within Wood Processing, consisting of making lumber, wood pulp, cabinets, mobile homes, paper products, and furniture. Conservation programs were enacted in the early 1990's to protect endangered wildlife, closing several areas of the state to logging, which created some job loss in the industry.

While a high number are still employed in the Wood Product industry, manufacturing in Oregon is strengthening in other sectors as well. A rapid expansion of Electronics production in the end of the 20th century caused it to rise to the most profitable industry in the state, compensating for some of the downsizing in Wood Production. Similarly, high-tech firms producing computers and computer products have moved into the Portland area. Food Processing is also vital to the state, with several firms producing frozen or canned vegetables and fruits and seafood processing.

Overall, Oregon is one of the areas hardest hit by recent economic downturns. As of June 2002, debate continued to rage regarding potential tax hikes to help reduce the widening budget gap for the state. Some lobbyists see tax increases as a death sentence to an already troubled economy, while others see increases as part of a package of action that could eventually help create more jobs in the state and stimulate faster recovery. Currently, Oregon is expected to be one of the slowest states to recover from the nationwide economic downturn.

Aerospace/Defense: This sector includes products related to the aerospace and defense industries, both in terms of arms and ammunition as well as the transportation products and equipment related to these industries.

Automotive Transport: Includes companies engaged in the manufacture and production of goods comprising and surrounding the automotive industry, as well as other transportation industries such as shipbuilding and rail.

Chemicals: Companies in this sector are involved in the production and processing of a wide range of chemical compounds and substances, including basic and intermediate chemicals, specialty chemicals, plastic and fibers, paints and coatings and agricultural chemicals.

Computer Hardware: Companies in this sector are involved in the production of various products related to the computing industry. Products include data storage devices and networking and communication devices, as well as other electronic business equipment.

Consumer Products: This sector includes companies that manufacture a wide range of consumer goods, ranging from apparel and furnishings to electronics and appliances.

Drugs: Includes companies that manufacture pharmaceuticals and related substances and goods. Products in this sector include diagnostic substances, pharmaceuticals, biotechnology products and nutritional substances.

Electronics: This sector is comprised of companies engaged in the various industries related to electronic goods. Products in this sector include lighting and other fixtures, computer boards and connectors, semiconductors and wire and cable goods.

Food, Beverage, Tobacco: This sector includes companies that manufacture and process a variety of food and related goods. Products range from dairy products and grains and cereals to agricultural biotechnology and tobacco products.

General Manufacturing: Companies included in this sector range widely in terms of goods produced, but all share the brand of a core manufacturing industry. Included in this sector are key manufacturing such as packaging and containers, metal fabrication, rubber and plastics and textile manufacturers.

Health Products: This sector is comprised of companies who produce equipment and supplies for the medical industry. Products in this sector range from major surgical and hospital equipment to dental and ophthalmic goods.

Industrial Machinery Equipment: Includes companies engaged in the manufacturing of products ranging from agricultural and construction machinery, to industrial automation and pollution control equipment.

Materials and Construction: Companies included in this sector are engaged in manufacturing goods related to building and construction projects. Products range from concrete and lumber goods to materials related to the construction of manufactured buildings.

Media: This sector aggregates companies engaged in the manufacturing processes related to various media industries. Industries include newspaper and book publication, as well as the production and publishing of music and television entertainment.

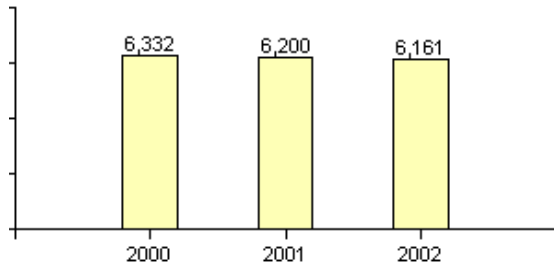
Metals and Mining: Companies in this sector are responsible for the production of minerals and metals such as gold, copper, aluminum, steel and other ferrous and non-ferrous products.

Telecommunications: This sector is comprised of companies engaged in the production of communication processing equipment and satellite and microwave equipment, as well as switching and transmission goods.

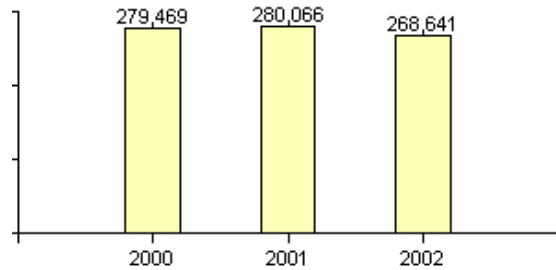
Manufacturing 3 Year Trends

Year	Number of Firms	Number of Employees
2000	6332	279469
2001	6200	280066
2002	6161	268641

of Firms



of Employees



Oregon manufacturing has been hit by the current economic recession, with both firms and employment declining over the three-year trend.

Manufacturing Rankings by State

State	% of US Firms	% of US Employment	State	% of US Firms	% of US Employment
CA	6.44%	7.70%	OK	1.36%	0.92%
OH	4.95%	4.89%	KY	1.35%	1.44%
PA	4.63%	4.28%	MD	1.31%	0.96%
IL	4.57%	4.11%	LA	1.27%	0.93%
NY	4.32%	3.99%	SC	1.25%	1.57%
TX	4.26%	4.91%	UT	0.95%	0.65%
MI	3.94%	4.22%	AR	0.93%	1.08%
FL	3.92%	2.34%	KS	0.90%	0.98%
NC	2.77%	3.29%	MS	0.88%	0.99%
IN	2.52%	3.01%	RI	0.67%	0.41%
GA	2.47%	2.68%	NH	0.62%	0.52%
NJ	2.42%	2.29%	ID	0.59%	0.34%
WI	2.29%	2.74%	ME	0.56%	0.40%
MA	2.29%	2.06%	NE	0.55%	0.53%
MO	2.23%	1.79%	WV	0.52%	0.37%
MN	2.23%	2.21%	NM	0.52%	0.23%
TN	1.70%	2.20%	MT	0.51%	0.13%
VA	1.69%	1.91%	NV	0.41%	0.20%
WA	1.66%	1.34%	VT	0.39%	0.24%
CT	1.63%	1.27%	HI	0.28%	0.09%
IA	1.52%	1.24%	SD	0.24%	0.23%
AZ	1.46%	1.06%	ND	0.24%	0.13%
CO	1.46%	1.06%	DE	0.24%	0.28%
OR	1.46%	1.15%	AK	0.20%	0.09%
AL	1.42%	1.51%	WY	0.20%	0.06%

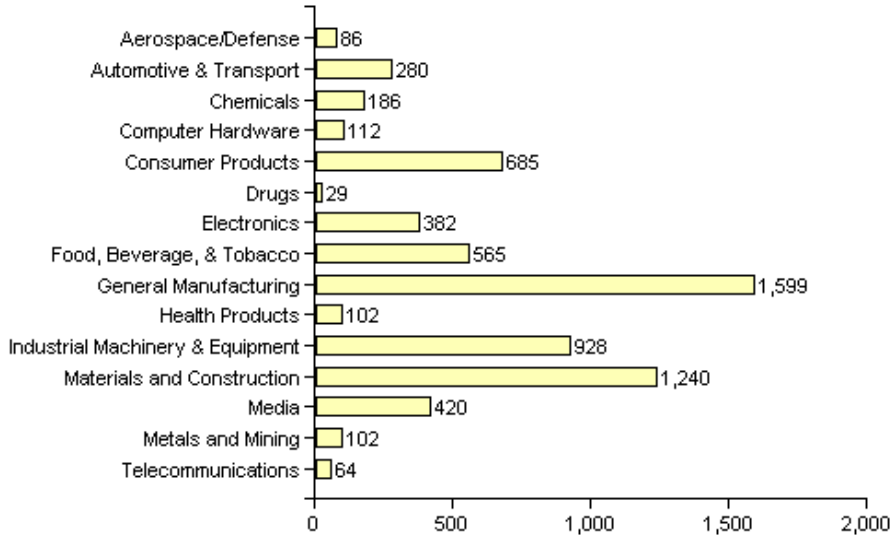
Summary Breakdown by Sector

Sector	# of Firms	% of OR Manufacturing Firms	Employment	% of OR Manufacturing Employment	Estimated Sales	% of OR Manufacturing Sales
Aerospace/Defense	86	1.40%	5,542	2.06%	953.0M	1.83%
Automotive Transport	280	4.54%	12,413	4.62%	2,105.5M	4.03%
Chemicals	186	3.02%	10,654	3.97%	6,516.7M	12.48%
Computer Hardware	112	1.82%	6,946	2.59%	1,365.2M	2.62%
Consumer Products	685	11.12%	24,701	9.19%	2,341.7M	4.49%
Drugs	29	0.47%	1,012	0.38%	261.7M	0.50%
Electronics	382	6.20%	37,534	13.97%	8,572.2M	16.42%
Food, Beverage, Tobacco	565	9.17%	38,766	14.43%	12,121.5M	23.22%
General Manufacturing	1,599	25.95%	40,488	15.07%	5,562.2M	10.65%
Health Products	102	1.66%	3,165	1.18%	529.5M	1.01%
Industrial Machinery Equipment	928	15.06%	25,697	9.57%	2,712.0M	5.19%
Materials and Construction	1,240	20.13%	55,053	20.49%	5,597.5M	10.72%
Media	420	6.82%	10,011	3.73%	1,335.2M	2.56%
Metals and Mining	102	1.66%	9,426	3.51%	1,587.7M	3.04%
Telecommunications	64	1.04%	4,293	1.60%	644.2M	1.23%

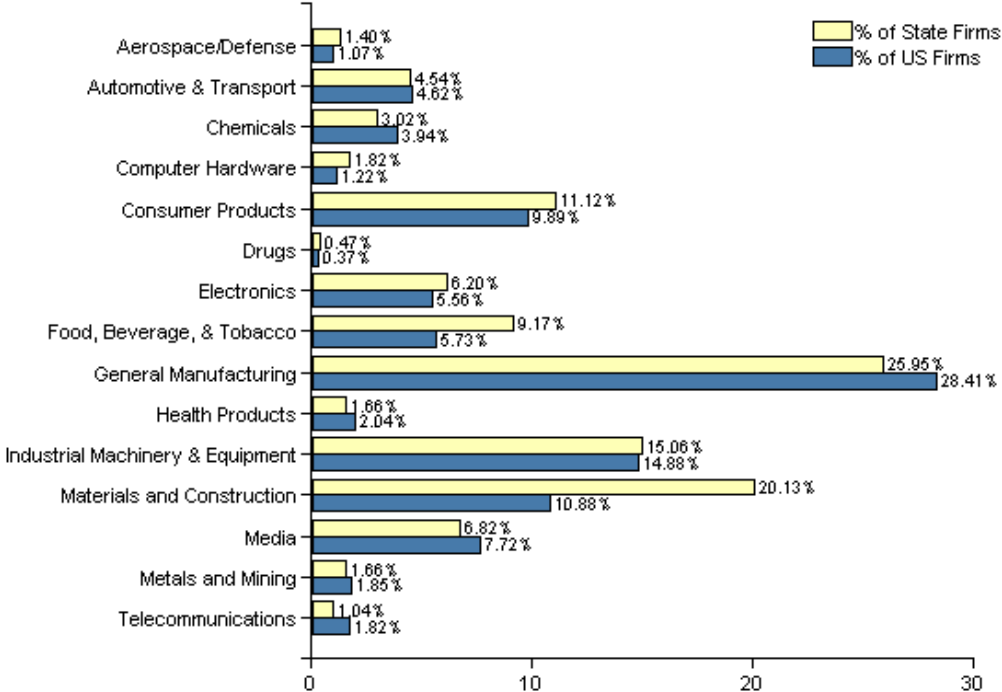
Materials and Construction dominates Oregon's manufacturing firms and employment, but Food, Beverage, and Tobacco and Electronics lead manufacturing sales.

Firm Breakdown by Sector

Firms by Sector – Oregon



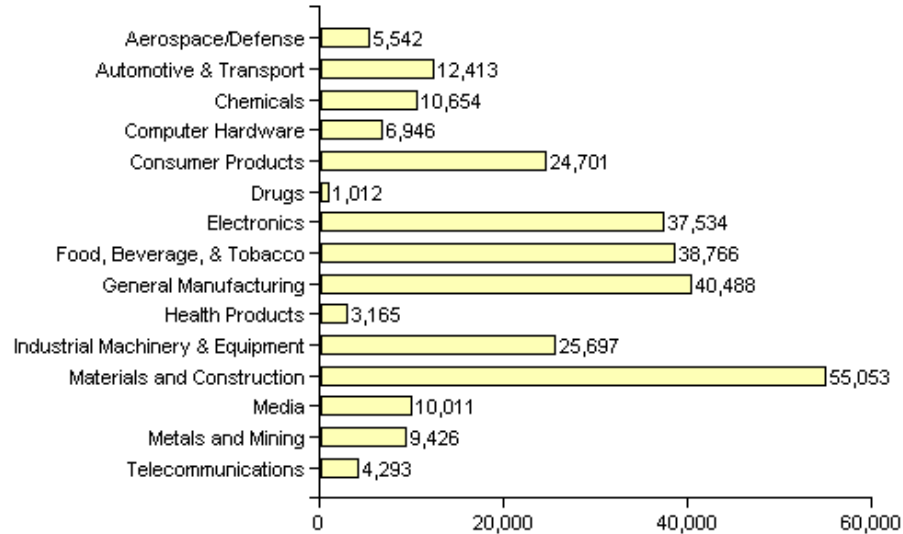
Sectors as a % of State and US Firms



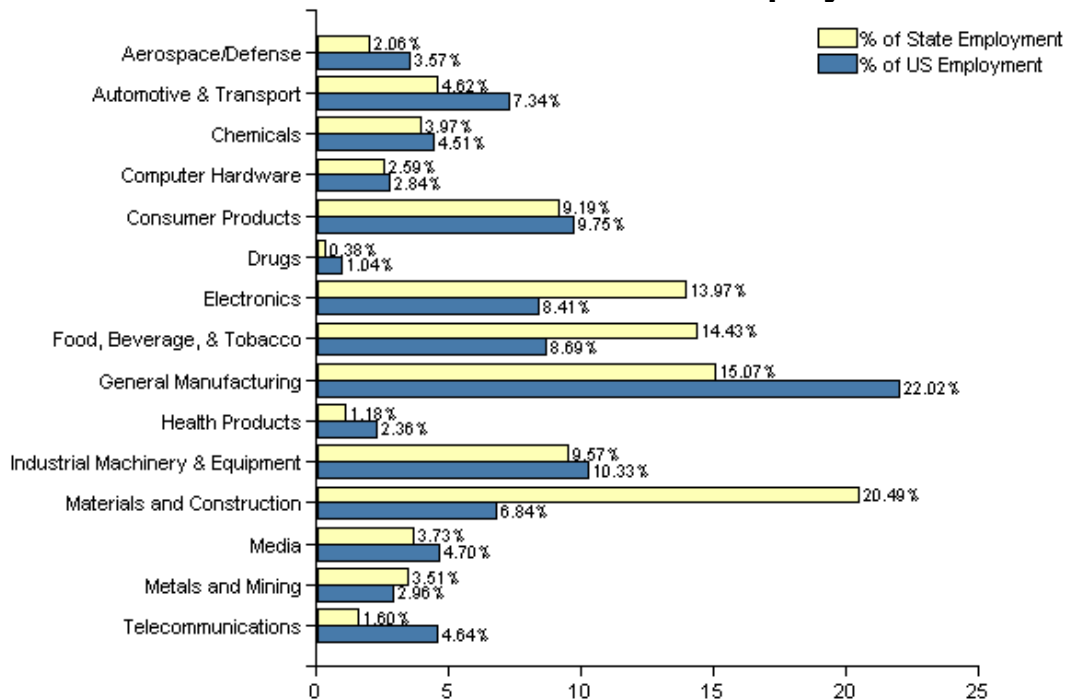
The above graph illustrates the concentration of firms in each sector in Oregon compared with the concentration of firms in the United States.

Employment Breakdown by Sector

Employment by Sector – Oregon



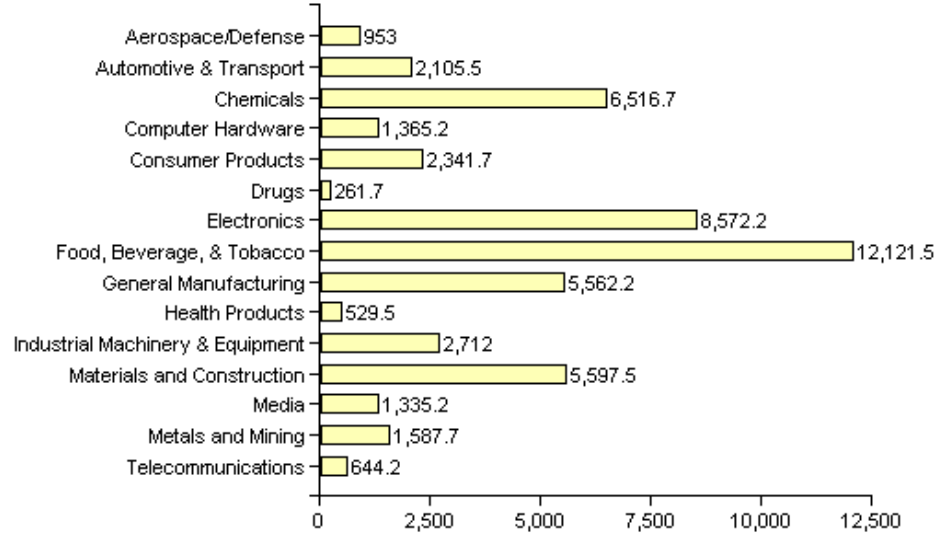
Sectors as a % of State and US Employment



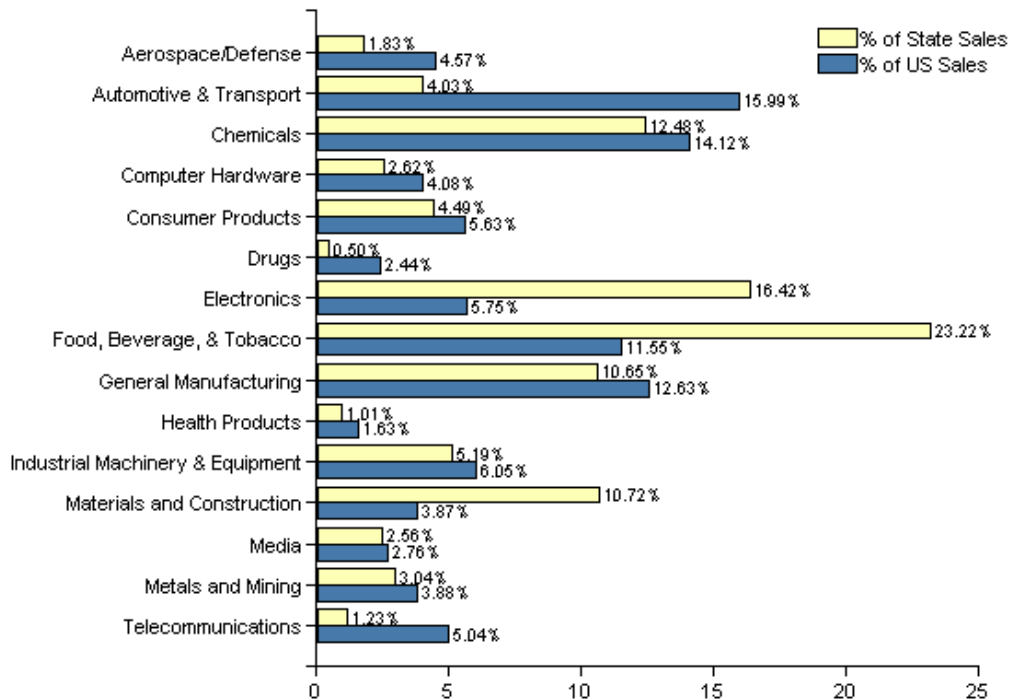
The above graph illustrates the concentration of employment in each sector in Oregon compared with the concentration of employment in the United States.

Estimated Sales Breakdown by Sector

Estimated Sales by Sector (in Millions) – Oregon

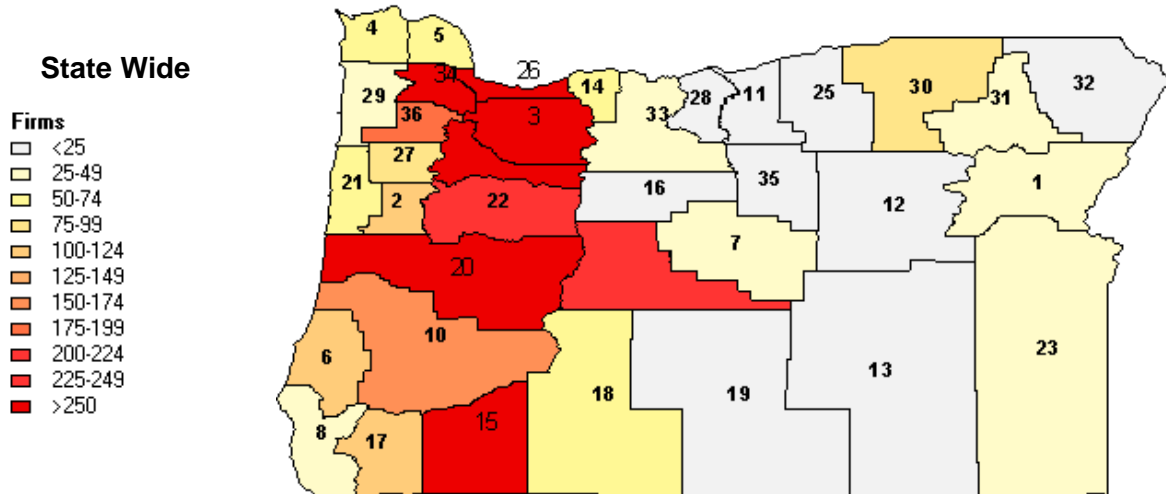


Sectors as a % of State and US Estimated Sales



The above graph illustrates the concentration of sales in each sector in Oregon compared with the concentration of sales in the United States.

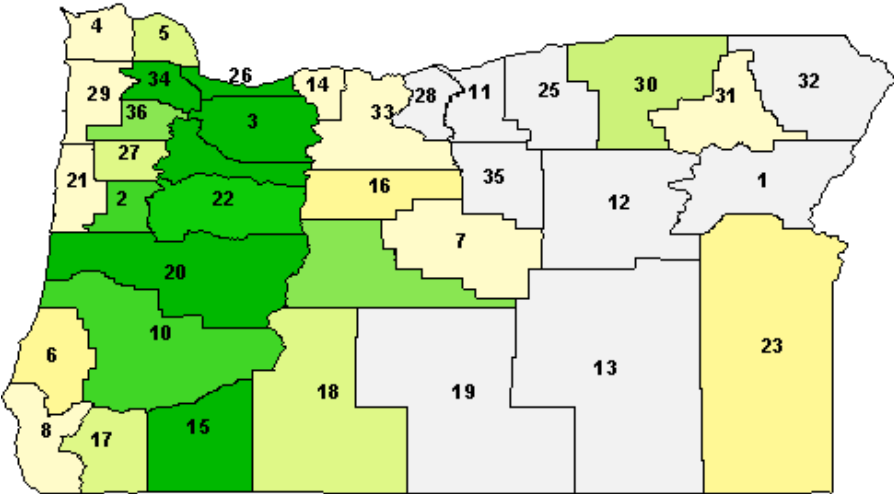
Manufacturing Firm Density



Manufacturing Employment Density

State Wide

- Employment**
- <1000
 - 1000-1999
 - 2000-2999
 - 3000-3999
 - 4000-4999
 - 5000-5999
 - 6000-6999
 - 7000-7999
 - 8000-8999
 - 9000-9999
 - >10000



Manufacturing Density Map Statistics

Map Key	County	# of Firms	% of OR Manufacturing Firms	Employment	% of OR Manufacturing Employment
1	<i>Baker</i>	28	0.45%	666	0.25%
2	<i>Benton</i>	119	1.93%	8,244	3.07%
3	<i>Clackamas</i>	591	9.59%	19,422	7.23%
4	<i>Clatsop</i>	66	1.07%	1,361	0.51%
5	<i>Columbia</i>	70	1.14%	3,401	1.27%
6	<i>Coos</i>	110	1.79%	2,430	0.90%
7	<i>Crook</i>	27	0.44%	1,291	0.48%
8	<i>Curry</i>	37	0.60%	1,254	0.47%
9	<i>Deschutes</i>	246	3.99%	6,659	2.48%
10	<i>Douglas</i>	163	2.65%	8,831	3.29%
11	<i>Gilliam</i>	2	0.03%	9	0.00%
12	<i>Grant</i>	11	0.18%	308	0.11%
13	<i>Harney</i>	13	0.21%	129	0.05%
14	<i>Hood River</i>	51	0.83%	1,340	0.50%
15	<i>Jackson</i>	313	5.08%	14,717	5.48%
16	<i>Jefferson</i>	23	0.37%	2,003	0.75%
17	<i>Josephine</i>	122	1.98%	3,409	1.27%
18	<i>Klamath</i>	69	1.12%	3,307	1.23%
19	<i>Lake</i>	16	0.26%	431	0.16%
20	<i>Lane</i>	659	10.70%	23,009	8.56%
21	<i>Lincoln</i>	70	1.14%	1,569	0.58%
22	<i>Linn</i>	216	3.51%	9,730	3.62%
23	<i>Malheur</i>	35	0.57%	2,155	0.80%
24	<i>Marion</i>	423	6.87%	14,438	5.37%
25	<i>Morrow</i>	13	0.21%	818	0.30%

26	<i>Multnomah</i>	1,410	22.89%	61,660	22.95%
27	<i>Polk</i>	86	1.40%	3,982	1.48%
28	<i>Sherman</i>	–	–	–	–
29	<i>Tillamook</i>	47	0.76%	1,655	0.62%
30	<i>Umatilla</i>	90	1.46%	4,335	1.61%
31	<i>Union</i>	38	0.62%	1,533	0.57%
32	<i>Wallowa</i>	19	0.31%	285	0.11%
33	<i>Wasco</i>	28	0.45%	1,054	0.39%
34	<i>Washington</i>	759	12.32%	56,470	21.02%
35	<i>Wheeler</i>	–	–	–	–
36	<i>Yamhill</i>	191	3.10%	6,736	2.51%

Multnomah is by far Oregon's leading manufacturing county with about 23% of all firms and employment located within its borders. Washington, Clackamas, and Lane Counties also accommodate a significant amount of manufacturing activities in Oregon.

Manufacturing Breakdown by Major Metropolitan Area

Metropolitan Area	# of Firms	Employment	Estimated Sales
<i>Portland–Vancouver</i>	3,030	147,487	23,411.5M
<i>Eugene–Springfield</i>	659	22,945	3,180.5M
<i>Salem</i>	505	18,967	2,532.7M
<i>Medford–Ashland</i>	314	14,718	6,598.2M

Major Firm Locations

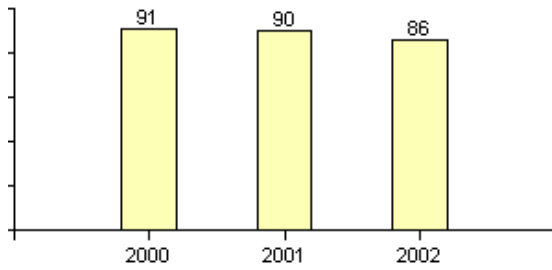
Company Name	City	HQ Description	Web Address
<i>Intel Corporation</i>	<i>Hillsboro</i>	<i>Single Location</i>	
<i>Bear Creek Corporation</i>	<i>Medford</i>	<i>Headquarters</i>	
<i>Nike Inc</i>	<i>Beaverton</i>	<i>Headquarters</i>	
<i>Hewlett-Packard Co</i>	<i>Corvallis</i>	<i>Single Location</i>	
<i>Tektronix Inc</i>	<i>Beaverton</i>	<i>Single Location</i>	www.tek.com
<i>Freightliner Corp</i>	<i>Portland</i>	<i>Headquarters</i>	www.freightlinertruck.com
<i>Roseburg Forest Products Co</i>	<i>Roseburg</i>	<i>Headquarters</i>	
<i>Fred Meyer Inc</i>	<i>Portland</i>	<i>Headquarters</i>	
<i>Boeing Co</i>	<i>Portland</i>	<i>Branch</i>	www.boeing.com
<i>Wacker Siltronic Corp</i>	<i>Portland</i>	<i>Single Location</i>	
<i>Wah Chang</i>	<i>Albany</i>	<i>Headquarters</i>	www.wahchang.com
<i>Agripac Inc</i>	<i>Salem</i>	<i>Single Location</i>	
<i>Gunderson</i>	<i>Portland</i>	<i>Headquarters</i>	
<i>Oregonian Publishing Company</i>	<i>Portland</i>	<i>Headquarters</i>	
<i>Tektronix Inc</i>	<i>Wilsonville</i>	<i>Headquarters</i>	
<i>Bright Wood Corp</i>	<i>Madras</i>	<i>Headquarters</i>	www.brightwood.com
<i>Monaco Coach Co</i>	<i>Eugene</i>	<i>Headquarters</i>	
<i>Fort James Corp</i>	<i>Clatskanie</i>	<i>Branch</i>	www.fortjames.com
<i>Mitsubishi Silicon America</i>	<i>Salem</i>	<i>Headquarters</i>	
<i>Precision Interconnect</i>	<i>Portland</i>	<i>Single Location</i>	
<i>Ore-Ida Foods Inc</i>	<i>Ontario</i>	<i>Single Location</i>	
<i>InFocus Corp</i>	<i>Wilsonville</i>	<i>Single Location</i>	www.infs.com
<i>Merix Corp</i>	<i>Forest Grove</i>	<i>Single Location</i>	www.merix.com
<i>Epson Portland Inc</i>	<i>Hillsboro</i>	<i>Single Location</i>	
<i>Maxim Integrated Products</i>	<i>Beaverton</i>	<i>Branch</i>	www.maxim-ic.com
<i>Freightliner Corporation</i>	<i>Portland</i>	<i>Single Location</i>	www.freightlinertruck.com

<i>Precision Castparts Corp</i>	<i>Portland</i>	<i>Headquarters</i>	
<i>Country Coach Inc</i>	<i>Junction City</i>	<i>Single Location</i>	
<i>Blount Inc</i>	<i>Portland</i>	<i>Single Location</i>	
<i>A-DEC Inc</i>	<i>Newberg</i>	<i>Headquarters</i>	

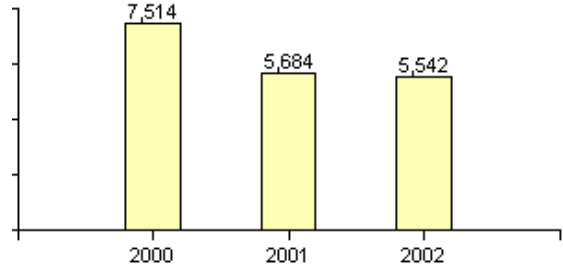
3 Year Trends

Year	Number of Firms	Number of Employees
2000	91	7514
2001	90	5684
2002	86	5542

of Firms



of Employees

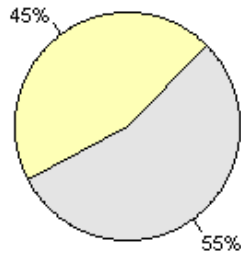


Aerospace/Defense Sector

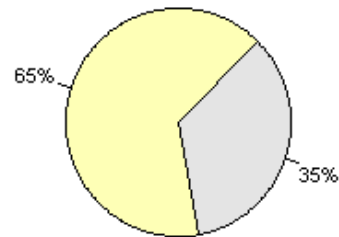
Sector Breakdown by Industry

Industry	# of Firms	Employment	Est. Sales
<i>Arms Ammunition</i>	47	1,929	268.2M
<i>Transportation Equipment</i>	39	3,613	684.7M

% of Sector Firms

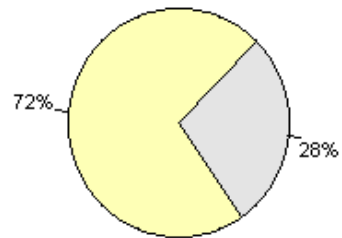


% of Sector Employment

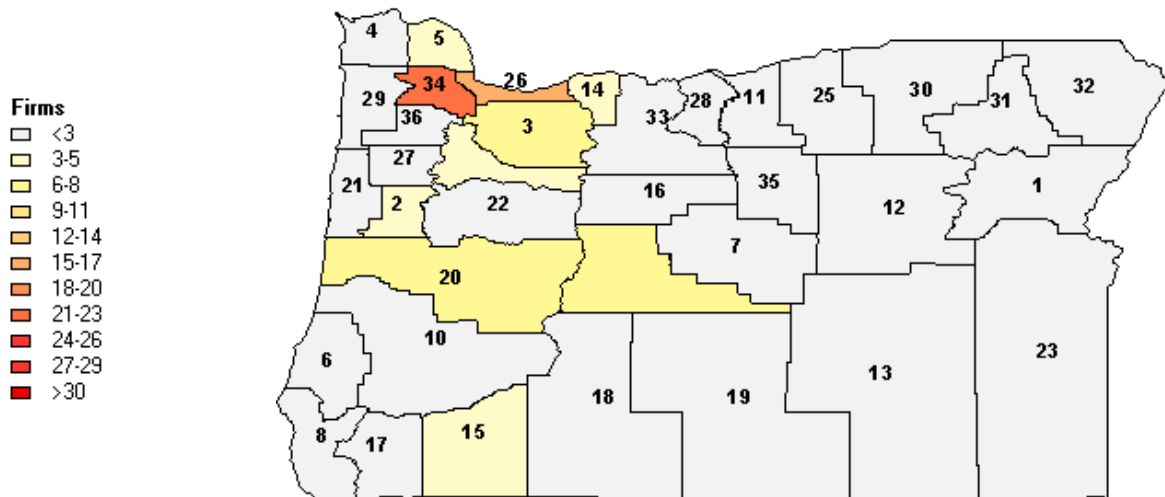


% of Sector Estimated Sales

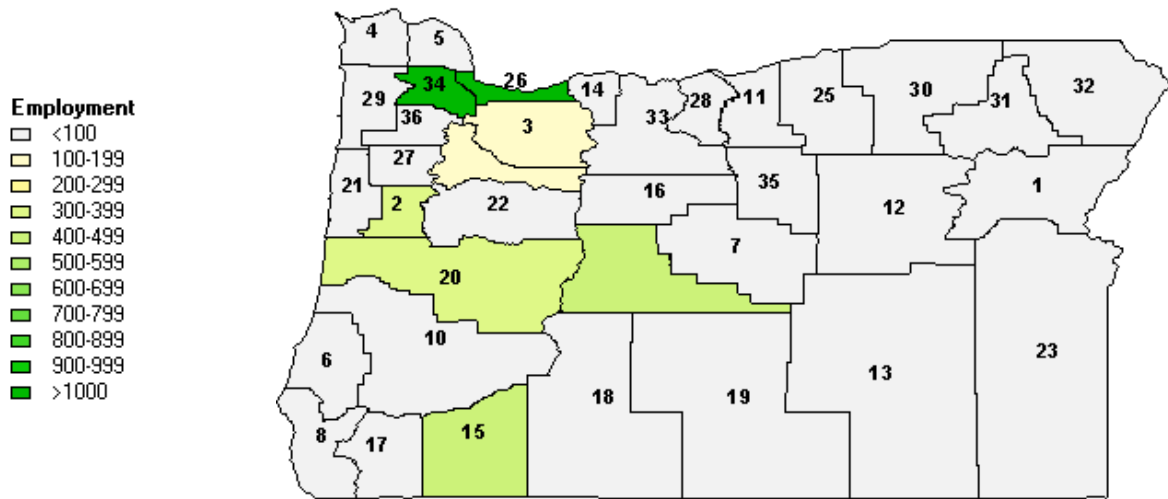
Arms & Ammunition
 Transportation Equipment



Firm Density



Employment Density



Aerospace/Defense Sector

Density Map Statistics

Map Key	County	# of Firms	% of State Aerospace/Defense Firms	Employment	% of State Aerospace/Defense Employment
1	<i>Baker</i>	2	2.33%	20	0.36%
2	<i>Benton</i>	5	5.81%	373	6.73%
3	<i>Clackamas</i>	8	9.30%	135	2.44%
4	<i>Clatsop</i>	–	–	–	–
5	<i>Columbia</i>	3	3.49%	12	0.22%
6	<i>Coos</i>	2	2.33%	16	0.29%
7	<i>Crook</i>	–	–	–	–
8	<i>Curry</i>	–	–	–	–
9	<i>Deschutes</i>	6	6.98%	475	8.57%
10	<i>Douglas</i>	2	2.33%	10	0.18%
11	<i>Gilliam</i>	–	–	–	–
12	<i>Grant</i>	–	–	–	–
13	<i>Harney</i>	–	–	–	–
14	<i>Hood River</i>	3	3.49%	47	0.85%
15	<i>Jackson</i>	3	3.49%	475	8.57%
16	<i>Jefferson</i>	–	–	–	–
17	<i>Josephine</i>	2	2.33%	18	0.32%
18	<i>Klamath</i>	–	–	–	–
19	<i>Lake</i>	–	–	–	–
20	<i>Lane</i>	6	6.98%	346	6.24%
21	<i>Lincoln</i>	1	1.16%	3	0.05%
22	<i>Linn</i>	1	1.16%	35	0.63%
23	<i>Malheur</i>	–	–	–	–
24	<i>Marion</i>	3	3.49%	192	3.46%

25	<i>Morrow</i>	-	-	-	-
26	<i>Multnomah</i>	15	17.44%	1,980	35.73%
27	<i>Polk</i>	1	1.16%	3	0.05%
28	<i>Sherman</i>	-	-	-	-
29	<i>Tillamook</i>	1	1.16%	12	0.22%
30	<i>Umatilla</i>	-	-	-	-
31	<i>Union</i>	-	-	-	-
32	<i>Wallowa</i>	-	-	-	-
33	<i>Wasco</i>	-	-	-	-
34	<i>Washington</i>	22	25.58%	1,390	25.08%
35	<i>Wheeler</i>	-	-	-	-
36	<i>Yamhill</i>	-	-	-	-

Major Firms

Company Name	City	HQ Description	Web Address
<i>Boeing Co</i>	<i>Portland</i>	<i>Branch</i>	www.boeing.com
<i>Sentrol</i>	<i>Tualatin</i>	<i>Headquarters</i>	www.sentrol.com
<i>Erickson Air-Crane Co</i>	<i>Central Point</i>	<i>Single Location</i>	
<i>RadiSys Corporation</i>	<i>Beaverton</i>	<i>Headquarters</i>	
<i>Pacific AVI Composites USA LLC</i>	<i>Bend</i>	<i>Single Location</i>	
<i>Rosen Products LLC</i>	<i>Eugene</i>	<i>Single Location</i>	
<i>FLIR Systems Inc</i>	<i>Portland</i>	<i>Single Location</i>	www.flir.com
<i>Celwave RF</i>	<i>Corvallis</i>	<i>Single Location</i>	
<i>Il Morrow Inc</i>	<i>Salem</i>	<i>Single Location</i>	
<i>Hewlett-Packard Co</i>	<i>Corvallis</i>	<i>Single Location</i>	

Industry Breakdown By SIC Codes

Arms Ammunition

- 3483 – Ammunition, Large
- 3669 – Communications Eqpt, NEC
- 3571 – Electronic Computers
- 3489 – Ordnance Access, NEC
- 3484 – Small Arms
- 3482 – Small Arms Ammunition

Transportation Equipment

- 3721 – Aircraft
- 3724 – Aircraft Engines Engine Parts
- 3728 – Aircraft Parts Eqpt, NEC
- 3769 – Guided Missile/Space Vehicle Parts Eqpt, NEC
- 3764 – Guided Missile/Space Vehicle Propulsion Units parts
- 3761 – Guided Missiles Space Vehicles
- 3812 – Search, Detection, Navigation Guidance Sysns Instrs
- 3795 – Tanks Tank Components

Industry Breakdown By NAICS Codes

Arms Ammunition

- 332993 – Ammunition (Except Small Arms) Mfg
- 334111 – Electronic Computer Mfg
- 334290 – Other Communications Equipment Mfg
- 332995 – Other Ordnance Accessories Mfg
- 332992 – Small Arms Ammunition Mfg
- 332994 – Small Arms Mfg

Transportation Equipment

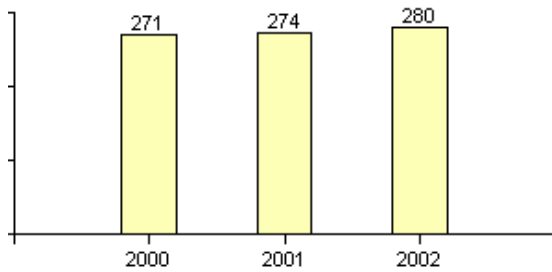
- 336412 – Aircraft Engine Engine Parts Mfg
- 336411 – Aircraft Mfg
- 336414 – Guided Missile Space Vehicle Mfg
- 336415 – Guided Missile Space Vehicle Propulsion Units Parts Mfg
- 336992 – Military Armored Vehicle, Tank Tank Component Mfg
- 336413 – Other Aircraft Part Auxiliary Equipment Mfg
- 336419 – Other Guided Missile Space Vehicle Parts Aux Eqpt Mfg
- 334511 – Search, Detection, Navigation, Guidance Sys Instrs Mfg

Automotive & Transport Sector

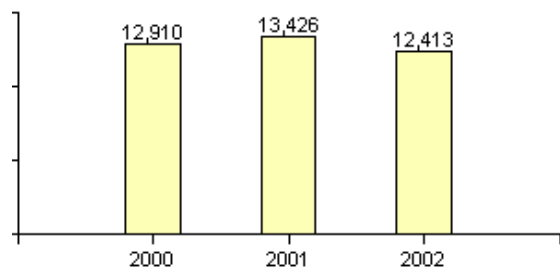
3 Year Trends

Year	Number of Firms	Number of Employees
2000	271	12910
2001	274	13426
2002	280	12413

of Firms



of Employees

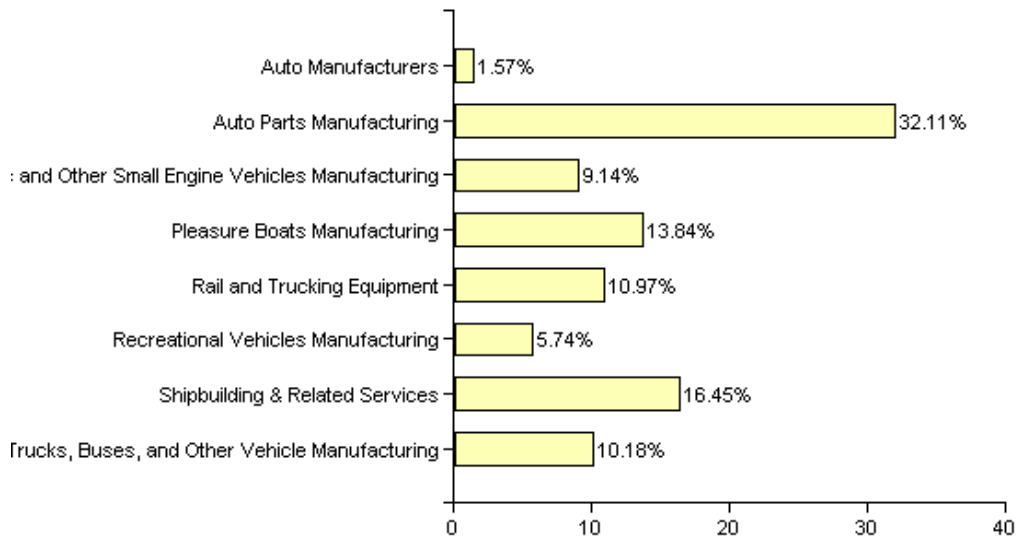


Automotive & Transport Sector

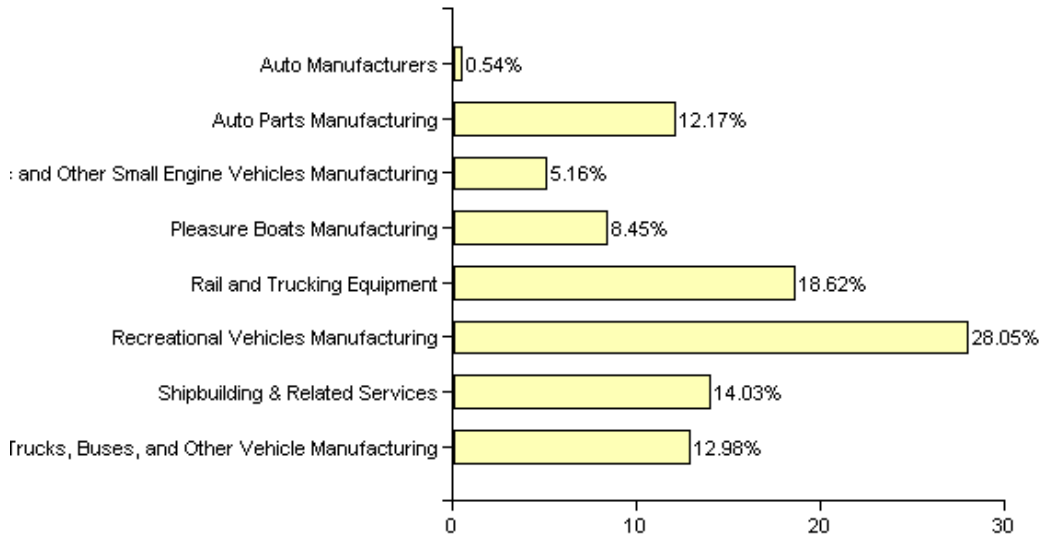
Sector Breakdown by Industry

Industry	# of Firms	Employment	Est. Sales
<i>Auto Manufacturers</i>	6	80	33.2M
<i>Auto Parts Manufacturing</i>	123	1,790	459.5M
<i>Motorcycles and Other Small Engine Vehicles Manufacturing</i>	35	759	121.0M
<i>Pleasure Boats Manufacturing</i>	53	1,243	147.2M
<i>Rail and Trucking Equipment</i>	42	2,740	174.7M
<i>Recreational Vehicles Manufacturing</i>	22	4,126	636.2M
<i>Shipbuilding Related Services</i>	63	2,064	225.0M
<i>Trucks, Buses, and Other Vehicle Manufacturing</i>	39	1,910	655.5M

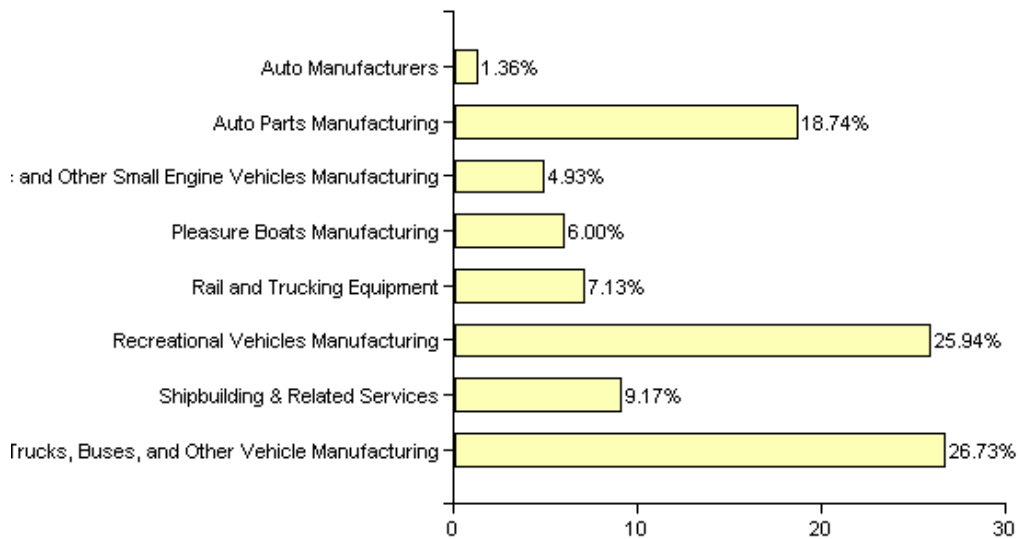
% of Sector Firms



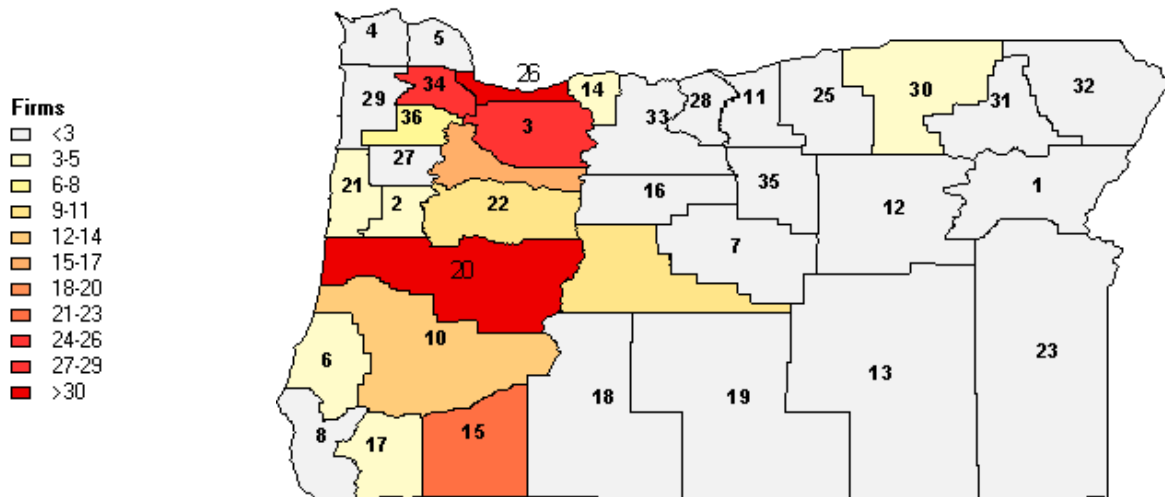
% of Sector Employment



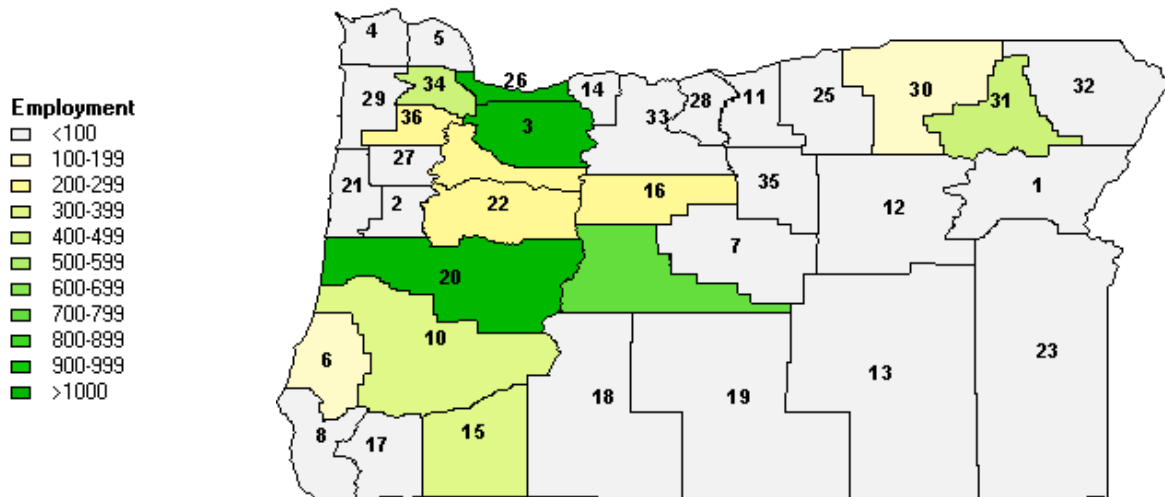
% of Sector Estimated Sales



Firm Density



Employment Density



Automotive & Transport Sector

Density Map Statistics

Map Key	County	# of Firms	% of State Automotive Transport Firms	Employment	% of State Automotive Transport Employment
1	<i>Baker</i>	1	0.36%	9	0.07%
2	<i>Benton</i>	3	1.07%	34	0.27%
3	<i>Clackamas</i>	28	10.00%	1,390	11.20%
4	<i>Clatsop</i>	2	0.71%	19	0.15%
5	<i>Columbia</i>	2	0.71%	5	0.04%
6	<i>Coos</i>	4	1.43%	113	0.91%
7	<i>Crook</i>	2	0.71%	53	0.43%
8	<i>Curry</i>	1	0.36%	2	0.02%
9	<i>Deschutes</i>	11	3.93%	723	5.82%
10	<i>Douglas</i>	13	4.64%	386	3.11%
11	<i>Gilliam</i>	–	–	–	–
12	<i>Grant</i>	–	–	–	–
13	<i>Harney</i>	–	–	–	–
14	<i>Hood River</i>	4	1.43%	85	0.68%
15	<i>Jackson</i>	21	7.50%	309	2.49%
16	<i>Jefferson</i>	1	0.36%	250	2.01%
17	<i>Josephine</i>	5	1.79%	26	0.21%
18	<i>Klamath</i>	2	0.71%	8	0.06%
19	<i>Lake</i>	–	–	–	–
20	<i>Lane</i>	38	13.57%	3,221	25.95%
21	<i>Lincoln</i>	4	1.43%	29	0.23%
22	<i>Linn</i>	9	3.21%	212	1.71%
23	<i>Malheur</i>	1	0.36%	2	0.02%
24	<i>Marion</i>	16	5.71%	249	2.01%

25	<i>Morrow</i>	1	0.36%	20	0.16%
26	<i>Multnomah</i>	69	24.64%	3,900	31.42%
27	<i>Polk</i>	1	0.36%	2	0.02%
28	<i>Sherman</i>	–	–	–	–
29	<i>Tillamook</i>	1	0.36%	2	0.02%
30	<i>Umatilla</i>	5	1.79%	161	1.30%
31	<i>Union</i>	2	0.71%	485	3.91%
32	<i>Wallowa</i>	1	0.36%	2	0.02%
33	<i>Wasco</i>	1	0.36%	4	0.03%
34	<i>Washington</i>	25	8.93%	437	3.52%
35	<i>Wheeler</i>	–	–	–	–
36	<i>Yamhill</i>	6	2.14%	275	2.22%

Automotive & Transport Sector

Major Firms

Company Name	City	HQ Description	Web Address
<i>Gunderson</i>	<i>Portland</i>	<i>Headquarters</i>	
<i>Monaco Coach Co</i>	<i>Eugene</i>	<i>Headquarters</i>	
<i>Country Coach Inc</i>	<i>Junction City</i>	<i>Single Location</i>	
<i>Warn Industries Inc</i>	<i>Portland</i>	<i>Headquarters</i>	
<i>Freightliner Corporation</i>	<i>Portland</i>	<i>Single Location</i>	www.freightlinertruck.com
<i>SMC Corporation</i>	<i>Bend</i>	<i>Headquarters</i>	
<i>Cascade General Inc</i>	<i>Portland</i>	<i>Headquarters</i>	
<i>Marathon Coach Inc</i>	<i>Eugene</i>	<i>Headquarters</i>	
<i>Nash Travel Trailers</i>	<i>La Grande</i>	<i>Single Location</i>	
<i>Komfort</i>	<i>Portland</i>	<i>Single Location</i>	

Industry Breakdown By SIC Codes

Auto Manufacturers

- 3711 – Motor Vehicles Car Bodies

Auto Parts Manufacturing

- 2396 – Automotive Trimmings, Apparel Findings, Related Prdts
- 3592 – Carburetors, Pistons, Rings, Valves
- 3714 – Motor Vehicle Parts Access
- 3566 – Speed Changers, Drives Gears
- 3647 – Vehicular Lighting Eqpt

Motorcycles and Other Small Engine Vehicles Manufacturing

- 3751 – Motorcycles, Bicycles, Parts
- 3799 – Transportation Eqpt, NEC

Pleasure Boats Manufacturing

- 3732 – Boat Building Repairing

Rail and Trucking Equipment

- 3743 – Railroad Eqpt
- 3799 – Transportation Eqpt, NEC
- 3715 – Truck Trailers

Recreational Vehicles Manufacturing

- 3716 – Motor Homes
- 3792 – Travel Trailers Campers

Shipbuilding Related Services

- 3732 – Boat Building Repairing
- 3731 – Shipbuilding Repairing

Trucks, Buses, and Other Vehicle Manufacturing

- 3711 – Motor Vehicles Car Bodies
- 3799 – Transportation Eqpt, NEC
- 3713 – Truck Bus Bodies

Industry Breakdown By NAICS Codes

Auto Manufacturers

- 336111 – Automobile Mfg
- 336120 – Heavy Duty Truck Mfg
- 336112 – Light Truck Utility Vehicle Mfg

Auto Parts Manufacturing

- 336399 – All Other Motor Vehicle Parts Mfg
- 336311 – Carburetor, Piston, Piston Ring Valve Mfg
- 336312 – Gasoline Engine Engine Parts Mfg
- 336340 – Motor Vehicle Brake System Mfg
- 336360 – Motor Vehicle Fabric Accessories Seat Mfg
- 336330 – Motor Vehicle Steering Suspension Cmpnts (Exc Spring) Mfg
- 336350 – Motor Vehicle Transmission Power Train Parts Mfg
- 336322 – Other Motor Vehicle Electrical Electronic Eqpt Mfg
- 333612 – Speed Changer, Incl High-Speed Drive Gear Mfg
- 336321 – Vehicular Lighting Equipment Mfg

Motorcycles and Other Small-Engine Vehicles

- 336999 – All Other Transportation Equipment Mfg
- 336991 – Motorcycle, Bicycle Parts Mfg

Pleasure Boats Manufacturing

- 336612 – Boat Building

Rail and Trucking Equipment

- 336999 – All Other Transportation Equipment Mfg
- 336510 – Railroad Rolling Stock Mfg
- 336214 – Travel Trailer Camper Mfg
- 336212 – Truck Trailer Mfg

Recreational Vehicles Manufacturing

- 336213 – Motor Home Mfg
- 336214 – Travel Trailer Camper Mfg

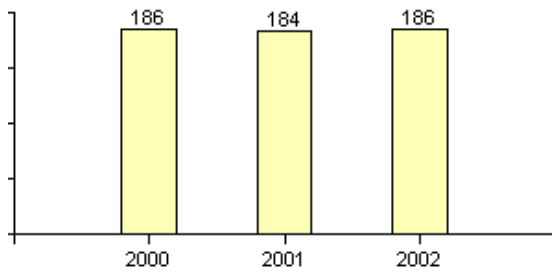
Trucks, Buses, and Other Vehicle Manufacturing

- 336999 – All Other Transportation Equipment Mfg
- 336111 – Automobile Mfg
- 336120 – Heavy Duty Truck Mfg
- 336112 – Light Truck Utility Vehicle Mfg
- 336211 – Motor Vehicle Body Mfg

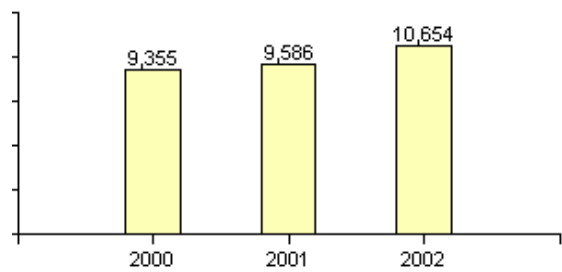
3 Year Trends

Year	Number of Firms	Number of Employees
2000	186	9355
2001	184	9586
2002	186	10654

of Firms



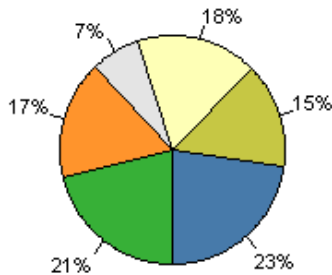
of Employees



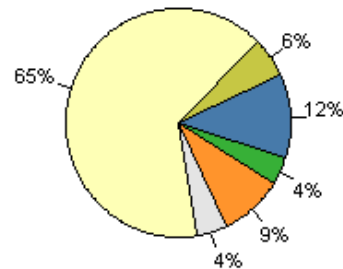
Sector Breakdown by Industry

Industry	# of Firms	Employment	Est. Sales
<i>Agricultural Chemicals</i>	28	600	243.2M
<i>Basic Intermediate Chemicals Petrochemicals</i>	44	1,276	675.7M
<i>Diversified Chemicals</i>	41	435	175.5M
<i>Paints, Coatings Other Finishing Products</i>	32	998	144.0M
<i>Plastics Fibers</i>	14	485	155.0M
<i>Specialty Chemicals</i>	34	7,068	5,180.7M

% of Sector Firms

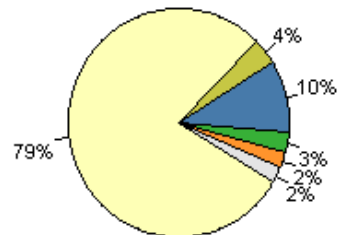


% of Sector Employment

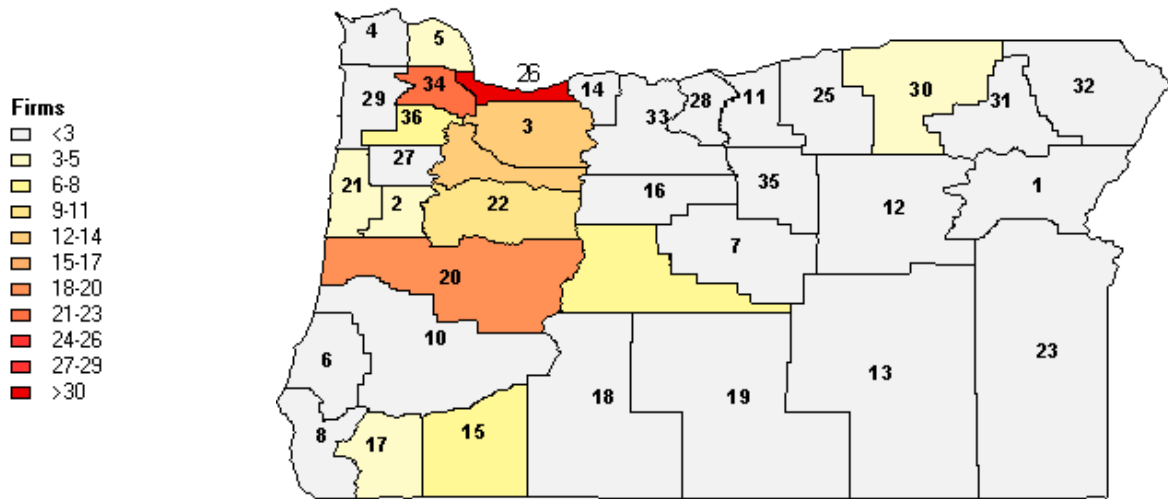


% of Sector Estimated Sales

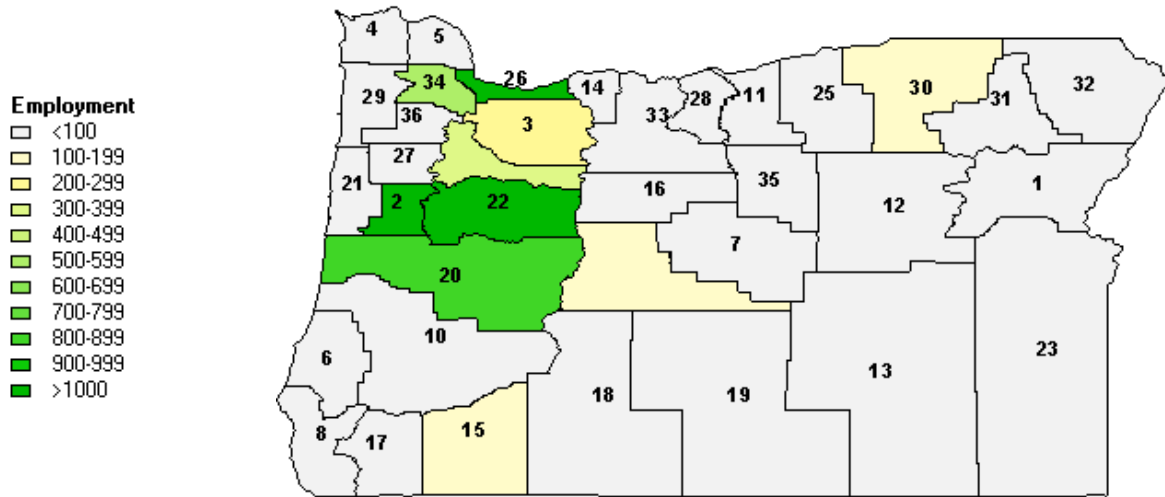
- Agricultural Chemicals
- Basic & Intermediate Chemicals & Petrochemicals
- Diversified Chemicals
- Paints, Coatings & Other Finishing Products
- Plastics & Fibers
- Specialty Chemicals



Firm Density



Employment Density



Density Map Statistics

Map Key	County	# of Firms	% of State Chemicals Firms	Employment	% of State Chemicals Employment
1	<i>Baker</i>	1	0.54%	4	0.04%
2	<i>Benton</i>	3	1.61%	4,907	46.06%
3	<i>Clackamas</i>	14	7.53%	226	2.12%
4	<i>Clatsop</i>	–	–	–	–
5	<i>Columbia</i>	3	1.61%	74	0.69%
6	<i>Coos</i>	2	1.08%	16	0.15%
7	<i>Crook</i>	–	–	–	–
8	<i>Curry</i>	–	–	–	–
9	<i>Deschutes</i>	6	3.23%	189	1.77%
10	<i>Douglas</i>	1	0.54%	4	0.04%
11	<i>Gilliam</i>	–	–	–	–
12	<i>Grant</i>	–	–	–	–
13	<i>Harney</i>	–	–	–	–
14	<i>Hood River</i>	1	0.54%	8	0.08%
15	<i>Jackson</i>	6	3.23%	172	1.61%
16	<i>Jefferson</i>	2	1.08%	50	0.47%
17	<i>Josephine</i>	3	1.61%	17	0.16%
18	<i>Klamath</i>	2	1.08%	17	0.16%
19	<i>Lake</i>	–	–	–	–
20	<i>Lane</i>	19	10.22%	806	7.57%
21	<i>Lincoln</i>	4	2.15%	44	0.41%
22	<i>Linn</i>	9	4.84%	1,642	15.41%
23	<i>Malheur</i>	–	–	–	–
24	<i>Marion</i>	12	6.45%	325	3.05%

25	<i>Morrow</i>	-	-	-	-
26	<i>Multnomah</i>	58	31.18%	1,306	12.26%
27	<i>Polk</i>	2	1.08%	30	0.28%
28	<i>Sherman</i>	-	-	-	-
29	<i>Tillamook</i>	1	0.54%	18	0.17%
30	<i>Umatilla</i>	5	2.69%	118	1.11%
31	<i>Union</i>	2	1.08%	24	0.23%
32	<i>Wallowa</i>	1	0.54%	6	0.06%
33	<i>Wasco</i>	2	1.08%	27	0.25%
34	<i>Washington</i>	21	11.29%	541	5.08%
35	<i>Wheeler</i>	-	-	-	-
36	<i>Yamhill</i>	6	3.23%	83	0.78%

Major Firms

Company Name	City	HQ Description	Web Address
<i>Hewlett-Packard Co</i>	<i>Corvallis</i>	<i>Single Location</i>	
<i>Wah Chang</i>	<i>Albany</i>	<i>Headquarters</i>	www.wahchang.com
<i>Willamette Valley Company</i>	<i>Eugene</i>	<i>Headquarters</i>	
<i>Forrest Paint Co</i>	<i>Eugene</i>	<i>Headquarters</i>	
<i>Neste Resins Corporation</i>	<i>Springfield</i>	<i>Single Location</i>	
<i>AGPR Inc</i>	<i>Hillsboro</i>	<i>Single Location</i>	www.agpr-usa.com
<i>Hickory Springs Mfg Co</i>	<i>Portland</i>	<i>Single Location</i>	
<i>Baker Rock Resources</i>	<i>Beaverton</i>	<i>Headquarters</i>	
<i>Mount Hood Chemical Corp</i>	<i>Portland</i>	<i>Single Location</i>	
<i>Unocal Corp</i>	<i>Portland</i>	<i>Single Location</i>	

Industry Breakdown By SIC Codes

Agricultural Chemicals

- 2875 – Fertilizers, Mixing Only
- 2873 – Nitrogenous Fertilizers
- 2879 – Pesticides Agricultural Chemicals, NEC
- 2874 – Phosphatic Fertilizers

Basic Intermediate Chemicals Petrochemicals

- 2812 – Alkalies Chlorine
- 2865 – Cyclic–Crudes, Intermediates, Dyes Org Pigments
- 2861 – Gum Wood Chemicals
- 2819 – Indl Inorganic Chemicals, NEC
- 2813 – Industrial Gases
- 2869 – Industrial Organic Chemicals, NEC
- 2816 – Inorganic Pigments
- 2992 – Lubricating Oils Greases
- 2951 – Paving Mixtures Blocks
- 2911 – Petroleum Refining
- 2999 – Products Of Petroleum Coal, NEC

Diversified Chemicals

- 2844 – Perfumes, Cosmetics Toilet Preparations
- 2841 – Soap Detergents
- 2842 – Spec Cleaning, Polishing Sanitation Preparations
- 2843 – Surface Active Finishing Agents, Sulfonated Oils
- 2822 – Synthetic Rubber (Vulcanizable Elastomers)

Paints, Coatings Other Finishing Products

- 2891 – Adhesives Sealants
- 2851 – Paints, Varnishes, Lacquers, Enamels

Plastics Fibers

- 2823 – Cellulosic Man–Made Fibers
- 2821 – Plastics, Mtrls Nonvulcanizable Elastomers
- 2824 – Synthetic Organic Fibers, Exc Cellulosic

Specialty Chemicals

- 2891 – Adhesives Sealants
- 2895 – Carbon Black
- 2899 – Chemical Preparations, NEC
- 2892 – Explosives
- 2893 – Printing Ink

Industry Breakdown By NAICS Codes

Agricultural Chemicals

- 325314 – Fertilizer (Mixing Only) Mfg
- 325311 – Nitrogenous Fertilizer Mfg
- 325320 – Pesticide Other Agricultural Chemical Mfg
- 325312 – Phosphatic Fertilizer Mfg

Basic Intermediate Chemicals Petrochemicals

- 325181 – Alkalies Chlorine Mfg
- 325188 – All Other Basic Inorganic Chemical Mfg
- 325199 – All Other Basic Organic Chemical Mfg
- 324199 – All Other Petroleum Coal Products Mfg
- 331311 – Alumina Refining
- 324121 – Asphalt Paving Mixture Block Mfg
- 325192 – Cyclic Crude Intermediate Mfg
- 325193 – Ethyl Alcohol Mfg
- 325191 – Gum Wood Chemical Mfg
- 325120 – Industrial Gas Mfg
- 325131 – Inorganic Dye Pigment Mfg
- 325132 – Organic Dye Pigment Mfg
- 325110 – Petrochemical Mfg
- 324191 – Petroleum Lubricating Oil Grease Mfg
- 324110 – Petroleum Refineries

Diversified Chemicals

- 325612 – Polish Other Sanitation Good Mfg
- 325611 – Soap Other Detergent Mfg
- 325613 – Surface Active Agent Mfg
- 325212 – Synthetic Rubber Mfg
- 325620 – Toilet Preparation Mfg

Paints, Coatings Other Finishing Products

- 325520 – Adhesive Mfg
- 325510 – Paint Coating Mfg

Plastics Fibers

- 325221 – Cellulosic Organic Fiber Mfg
- 325222 – Noncellulosic Organic Fiber Mfg
- 325211 – Plastics Material Resin Mfg

Specialty Chemicals

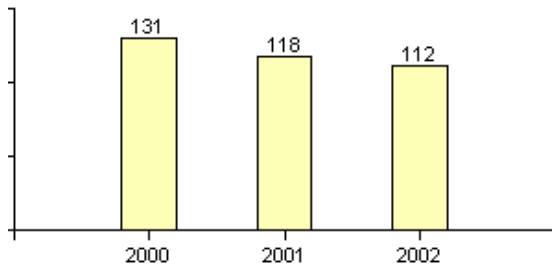
- 325520 – Adhesive Mfg
- 325998 – All Other Miscellaneous Chemical Product Mfg
- 325920 – Explosives Mfg
- 325910 – Printing Ink Mfg

Computer Hardware Sector

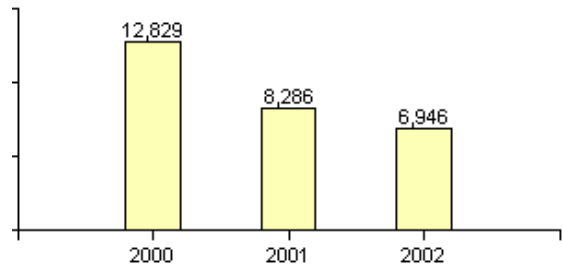
3 Year Trends

Year	Number of Firms	Number of Employees
2000	131	12829
2001	118	8286
2002	112	6946

of Firms



of Employees

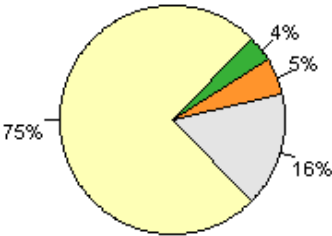


Computer Hardware Sector

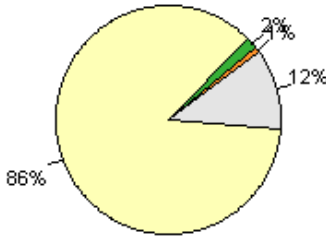
Sector Breakdown by Industry

Industry	# of Firms	Employment	Est. Sales
<i>Data Storage Devices</i>	4	121	4.0M
<i>Electronic Business Equipment</i>	6	52	11.5M
<i>Miscellaneous Computer Products</i>	18	801	137.5M
<i>Networking Communication Devices</i>	84	5,972	1,212.2M

% of Sector Firms

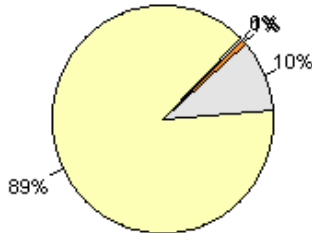


% of Sector Employment

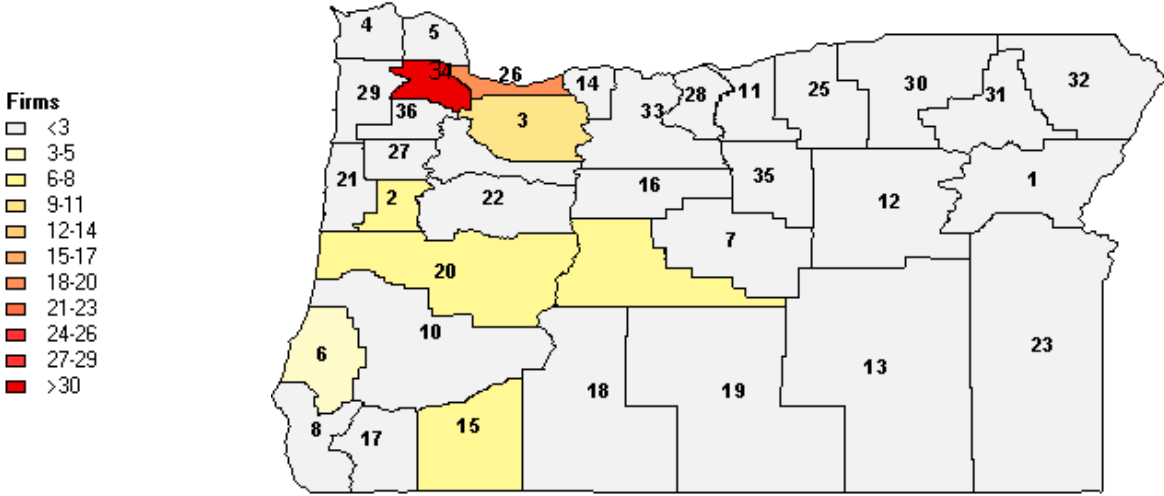


% of Sector Estimated Sales

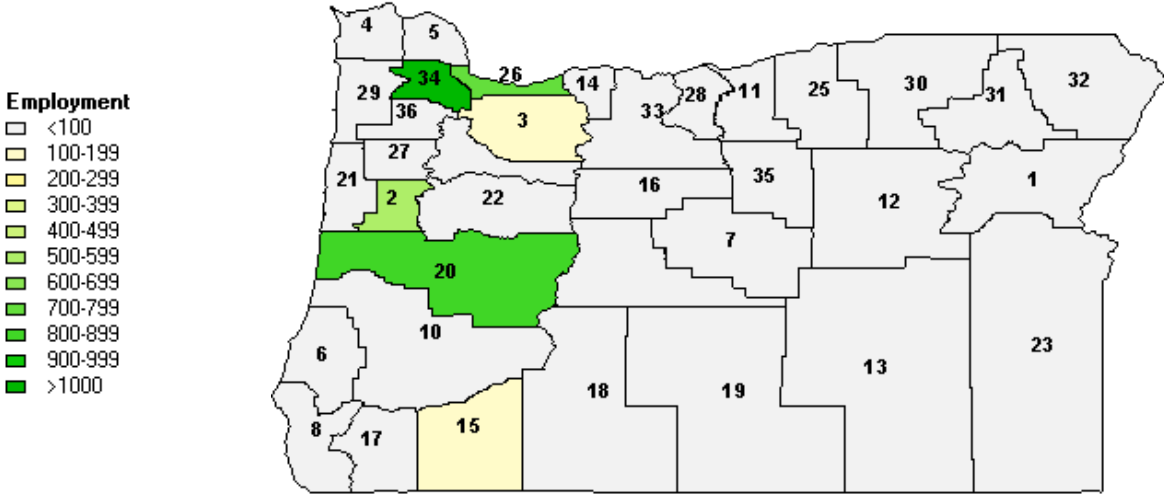
- Data Storage Devices
- Electronic Business Equipment
- Miscellaneous Computer Products
- Networking & Communication Devices



Firm Density



Employment Density



Computer Hardware Sector

Density Map Statistics

Map Key	County	# of Firms	% of State Computer Hardware Firms	Employment	% of State Computer Hardware Employment
1	<i>Baker</i>	1	0.89%	0	0.00%
2	<i>Benton</i>	7	6.25%	529	7.62%
3	<i>Clackamas</i>	11	9.82%	188	2.71%
4	<i>Clatsop</i>	–	–	–	–
5	<i>Columbia</i>	1	0.89%	4	0.06%
6	<i>Coos</i>	3	2.68%	19	0.27%
7	<i>Crook</i>	–	–	–	–
8	<i>Curry</i>	–	–	–	–
9	<i>Deschutes</i>	7	6.25%	68	0.98%
10	<i>Douglas</i>	–	–	–	–
11	<i>Gilliam</i>	–	–	–	–
12	<i>Grant</i>	–	–	–	–
13	<i>Harney</i>	–	–	–	–
14	<i>Hood River</i>	1	0.89%	5	0.07%
15	<i>Jackson</i>	8	7.14%	177	2.55%
16	<i>Jefferson</i>	–	–	–	–
17	<i>Josephine</i>	1	0.89%	0	0.00%
18	<i>Klamath</i>	1	0.89%	58	0.84%
19	<i>Lake</i>	–	–	–	–
20	<i>Lane</i>	6	5.36%	865	12.45%
21	<i>Lincoln</i>	–	–	–	–
22	<i>Linn</i>	–	–	–	–
23	<i>Malheur</i>	–	–	–	–
24	<i>Marion</i>	1	0.89%	12	0.17%

25	<i>Morrow</i>	-	-	-	-
26	<i>Multnomah</i>	19	16.96%	707	10.18%
27	<i>Polk</i>	1	0.89%	3	0.04%
28	<i>Sherman</i>	-	-	-	-
29	<i>Tillamook</i>	-	-	-	-
30	<i>Umatilla</i>	1	0.89%	2	0.03%
31	<i>Union</i>	1	0.89%	3	0.04%
32	<i>Wallowa</i>	-	-	-	-
33	<i>Wasco</i>	-	-	-	-
34	<i>Washington</i>	42	37.50%	4,306	61.99%
35	<i>Wheeler</i>	-	-	-	-
36	<i>Yamhill</i>	-	-	-	-

Computer Hardware Sector

Major Firms

Company Name	City	HQ Description	Web Address
<i>Tektronix Inc</i>	<i>Wilsonville</i>	<i>Headquarters</i>	
<i>PSC Inc</i>	<i>Eugene</i>	<i>Single Location</i>	
<i>Sentrol</i>	<i>Tualatin</i>	<i>Headquarters</i>	www.sentrol.com
<i>Planar Systems Inc</i>	<i>Beaverton</i>	<i>Headquarters</i>	
<i>PSC Inc</i>	<i>Portland</i>	<i>Single Location</i>	www.pscnet.com
<i>RadiSys Corporation</i>	<i>Beaverton</i>	<i>Headquarters</i>	
<i>Sun Microsystems</i>	<i>Beaverton</i>	<i>Single Location</i>	
<i>Celwave RF</i>	<i>Corvallis</i>	<i>Single Location</i>	
<i>Kentrox Industries Inc</i>	<i>Portland</i>	<i>Single Location</i>	
<i>Oresis Communications Inc</i>	<i>Beaverton</i>	<i>Single Location</i>	www.oresis.com

Industry Breakdown By SIC Codes

Data Storage Devices

- 3572 – Computer Storage Devices
- 3695 – Recording Media

Electronic Business Equipment

- 3578 – Calculating Accounting Eqpt
- 3579 – Office Machines, NEC

Miscellaneous Computer Products

- 3575 – Computer Terminals
- 3571 – Electronic Computers

Networking Communication Devices

- 3669 – Communications Eqpt, NEC
- 3577 – Computer Peripheral Eqpt, NEC
- 3663 – Radio and T V Communications, Sysys Eqpt, Broadcast/Studio
- 3661 – Telephone Telegraph Apparatus

Industry Breakdown By NAICS Codes

Data Storage Devices

- 334112 – Computer Storage Device Mfg
- 334613 – Magnetic Optical Recording Media Mfg

Electronic Business Equipment

- 333313 – Office Machinery Mfg

Miscellaneous Computer Products

- 334113 – Computer Terminal Mfg
- 334111 – Electronic Computer Mfg

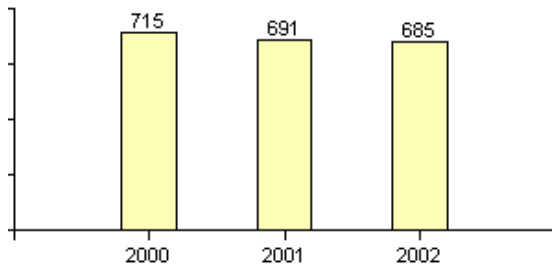
Networking Communication Devices

- 334290 – Other Communications Equipment Mfg
- 334119 – Other Computer Peripheral Equipment Mfg
- 334220 – Radio and Television Broadcasting Wireless Comm Eqpt Mfg
- 334210 – Telephone Apparatus Mfg

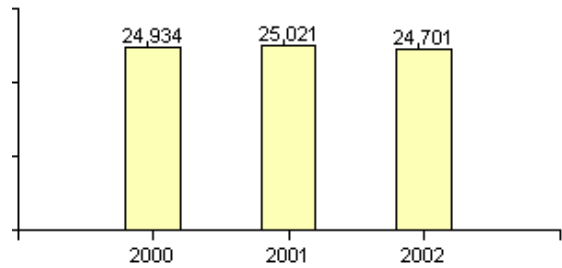
3 Year Trends

Year	Number of Firms	Number of Employees
2000	715	24934
2001	691	25021
2002	685	24701

of Firms



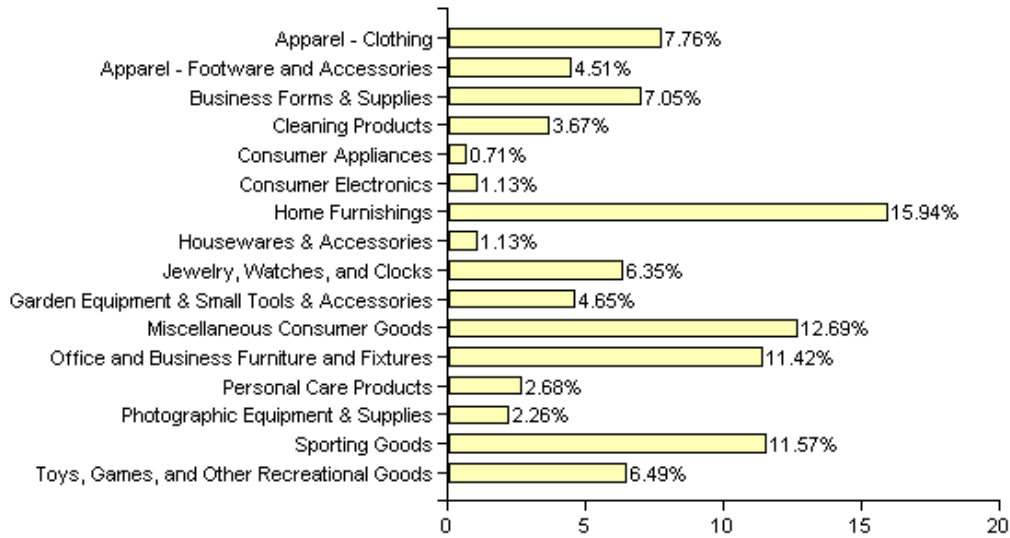
of Employees



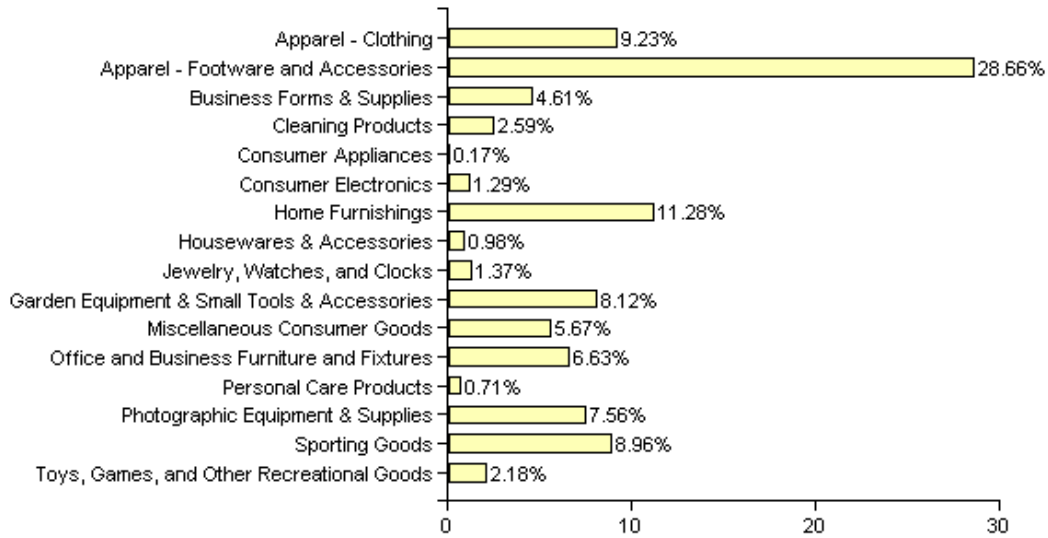
Sector Breakdown by Industry

Industry	# of Firms	Employment	Est. Sales
<i>Apparel – Clothing</i>	55	2,299	83.0M
<i>Apparel – Footwear and Accessories</i>	32	7,143	126.7M
<i>Business Forms Supplies</i>	50	1,148	105.5M
<i>Cleaning Products</i>	26	646	137.2M
<i>Consumer Appliances</i>	5	43	8.7M
<i>Consumer Electronics</i>	8	322	0.0M
<i>Home Furnishings</i>	113	2,812	216.2M
<i>Housewares Accessories</i>	8	244	34.2M
<i>Jewelry, Watches, and Clocks</i>	45	342	54.0M
<i>Lawn Garden Equipment Small Tools Accessories</i>	33	2,023	404.5M
<i>Miscellaneous Consumer Goods</i>	90	1,413	82.7M
<i>Office and Business Furniture and Fixtures</i>	81	1,651	160.7M
<i>Personal Care Products</i>	19	176	63.2M
<i>Photographic Equipment Supplies</i>	16	1,883	615.8M
<i>Sporting Goods</i>	82	2,232	206.5M
<i>Toys, Games, and Other Recreational Goods</i>	46	542	67.0M

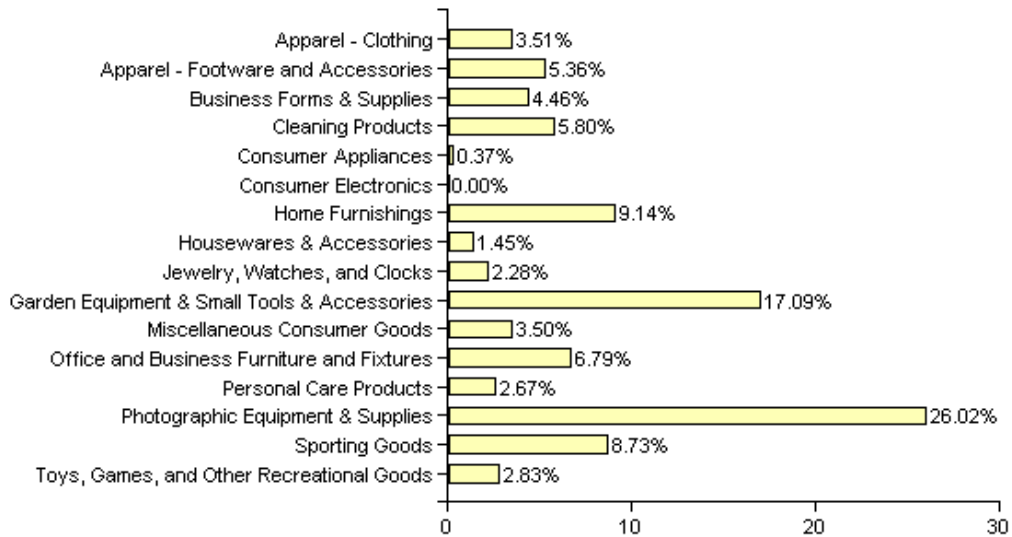
% of Sector Firms



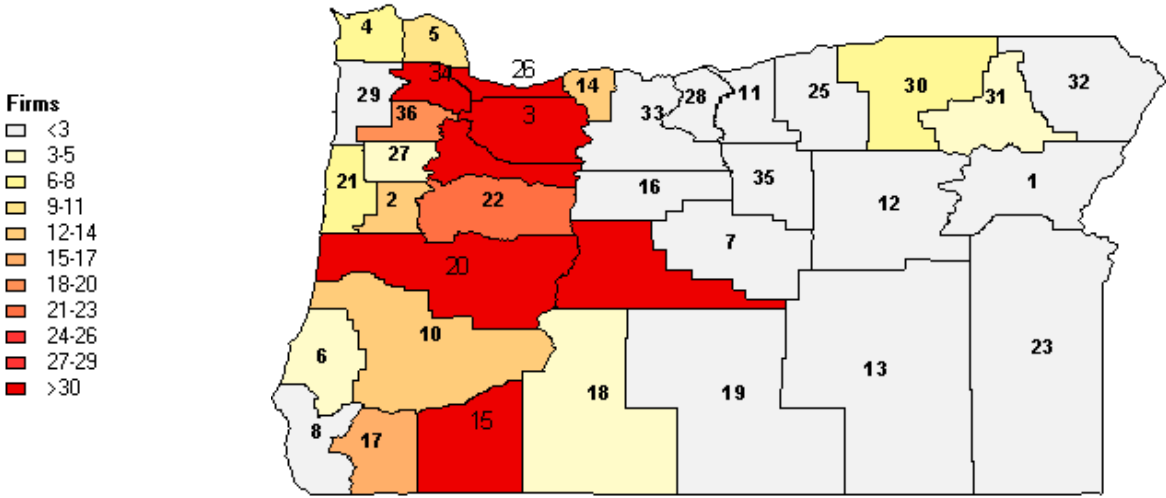
% of Sector Employment



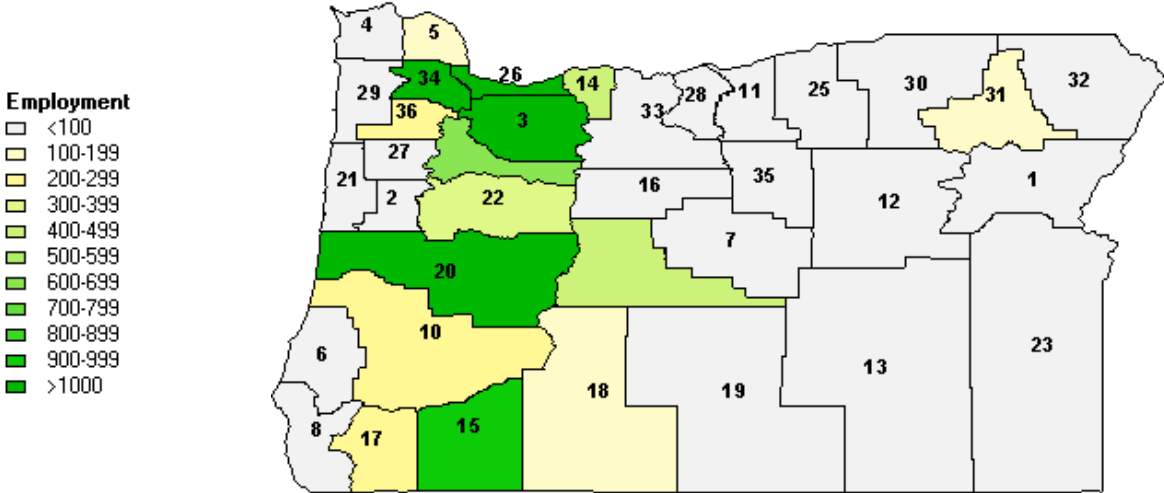
% of Sector Estimated Sales



Firm Density



Employment Density



Consumer Products Sector

Density Map Statistics

Map Key	County	# of Firms	% of State Consumer Products Firms	Employment	% of State Consumer Products Employment
1	<i>Baker</i>	2	0.29%	20	0.08%
2	<i>Benton</i>	12	1.75%	77	0.31%
3	<i>Clackamas</i>	69	10.07%	3,667	14.85%
4	<i>Clatsop</i>	6	0.88%	27	0.11%
5	<i>Columbia</i>	10	1.46%	159	0.64%
6	<i>Coos</i>	5	0.73%	44	0.18%
7	<i>Crook</i>	–	–	–	–
8	<i>Curry</i>	2	0.29%	10	0.04%
9	<i>Deschutes</i>	30	4.38%	485	1.96%
10	<i>Douglas</i>	13	1.90%	279	1.13%
11	<i>Gilliam</i>	–	–	–	–
12	<i>Grant</i>	1	0.15%	1	0.00%
13	<i>Harney</i>	2	0.29%	9	0.04%
14	<i>Hood River</i>	12	1.75%	466	1.89%
15	<i>Jackson</i>	36	5.26%	937	3.79%
16	<i>Jefferson</i>	–	–	–	–
17	<i>Josephine</i>	15	2.19%	263	1.06%
18	<i>Klamath</i>	5	0.73%	106	0.43%
19	<i>Lake</i>	2	0.29%	3	0.01%
20	<i>Lane</i>	78	11.39%	1,348	5.46%
21	<i>Lincoln</i>	7	1.02%	90	0.36%
22	<i>Linn</i>	22	3.21%	336	1.36%
23	<i>Malheur</i>	–	–	–	–
24	<i>Marion</i>	49	7.15%	636	2.57%

25	<i>Morrow</i>	-	-	-	-
26	<i>Multnomah</i>	201	29.34%	6,575	26.62%
27	<i>Polk</i>	4	0.58%	47	0.19%
28	<i>Sherman</i>	-	-	-	-
29	<i>Tillamook</i>	1	0.15%	72	0.29%
30	<i>Umatilla</i>	6	0.88%	97	0.39%
31	<i>Union</i>	5	0.73%	134	0.54%
32	<i>Wallowa</i>	2	0.29%	9	0.04%
33	<i>Wasco</i>	1	0.15%	8	0.03%
34	<i>Washington</i>	69	10.07%	8,585	34.76%
35	<i>Wheeler</i>	-	-	-	-
36	<i>Yamhill</i>	18	2.63%	211	0.85%

Major Firms

Company Name	City	HQ Description	Web Address
<i>Nike Inc</i>	<i>Beaverton</i>	<i>Headquarters</i>	
<i>InFocus Corp</i>	<i>Wilsonville</i>	<i>Single Location</i>	www.infs.com
<i>Blount Inc</i>	<i>Portland</i>	<i>Single Location</i>	
<i>Adidas America Inc</i>	<i>Beaverton</i>	<i>Headquarters</i>	www.adidas.com
<i>Columbia Sportswear Co</i>	<i>Portland</i>	<i>Headquarters</i>	
<i>Nike Inc</i>	<i>Beaverton</i>	<i>Single Location</i>	www.nike.com
<i>Jantzen Inc</i>	<i>Portland</i>	<i>Headquarters</i>	
<i>Imation Corporation</i>	<i>White City</i>	<i>Single Location</i>	
<i>Leatherman Tool Group Inc</i>	<i>Portland</i>	<i>Single Location</i>	
<i>Whittier Wood Products Inc</i>	<i>Eugene</i>	<i>Headquarters</i>	

Industry Breakdown By SIC Codes

Apparel – Clothing

- 2389 – Apparel Accessories, NEC
- 2342 – Brassieres, Girdles Garments
- 2361 – Children's Infants' Dresses Blouses
- 2381 – Dress Work Gloves
- 2371 – Fur Goods
- 2369 – Girls' Infants' Outerwear, NEC
- 2353 – Hats, Caps Millinery
- 2252 – Hosiery, Except Women's
- 2251 – Hosiery, Women's Full Knee Length
- 2253 – Knit Outerwear Mills
- 2254 – Knit Underwear Mills
- 2259 – Knitting Mills, NEC
- 2386 – Leather Sheep Lined Clothing
- 2329 – Men's Boys' Clothing, NEC
- 2323 – Men's Boys' Neckwear
- 2325 – Men's Boys' Separate Trousers Casual Slacks
- 2321 – Men's Boys' Shirts
- 2311 – Men's Boys' Suits, Coats Overcoats
- 2322 – Men's Boys' Underwear Nightwear
- 2326 – Men's Boys' Work Clothing
- 2385 – Raincoats
- 2384 – Robes Dressing Gowns
- 2331 – Women's Misses' Blouses
- 2335 – Women's Misses' Dresses
- 2339 – Women's Misses' Outerwear, NEC
- 2337 – Women's Misses' Suits, Coats Skirts
- 2341 – Women's, Misses' Children's Underwear Nightwear

Apparel – Footwear and Accessories

- 2389 – Apparel Accessories, NEC
- 2387 – Apparel Belts
- 3131 – Boot Shoe Cut Stock Findings
- 3149 – Footwear, NEC
- 3171 – Handbags Purses
- 3142 – House Slippers
- 3151 – Leather Gloves Mittens
- 3199 – Leather Goods, NEC
- 3111 – Leather Tanning Finishing
- 3161 – Luggage
- 3143 – Men's Footwear, Exc Athletic
- 3172 – Personal Leather Goods
- 3021 – Rubber Plastic Footwear
- 3144 – Women's Footwear, Exc Athletic

Business Forms Supplies

- 2782 – Blankbooks Looseleaf Binders
- 3955 – Carbon Paper Inked Ribbons
- 3952 – Lead Pencils, Crayons Artist's Mtrls
- 2761 – Manifold Business Forms
- 3953 – Marking Devices
- 3951 – Pens Mechanical Pencils

Cleaning Products

- 3991 – Brooms Brushes
- 2841 – Soap Detergents
- 2842 – Spec Cleaning, Polishing Sanitation Preparations
- 2843 – Surface Active Finishing Agents, Sulfonated Oils

Consumer Appliances

- 3634 – Electric Household Appliances
- 3639 – Household Appliances, NEC
- 3631 – Household Cooking Eqpt
- 3633 – Household Laundry Eqpt
- 3632 – Household Refrigerators Freezers
- 3635 – Household Vacuum Cleaners

Consumer Electronics

- 3651 – Household Audio Video Eqpt

Home Furnishings

- 2391 – Curtains Draperies
- 2591 – Drapery Hardware, Window Blinds Shades
- 2392 – Housefurnishings: Textile
- 2519 – Household Furniture, NEC
- 2515 – Mattresses Bedsprings
- 2514 – Metal Household Furniture
- 2511 – Wood Household Furniture
- 2512 – Wood Household Furniture, Upholstered
- 2517 – Wood T V, Radio, Phono Sewing Cabinets

Housewares Accessories

- 3262 – China, Table Kitchen Articles
- 3421 – Cutlery
- 3263 – Earthenware, Whiteware, Table Kitchen Articles
- 3914 – Silverware, Plated Stainless Steel Ware

Jewelry, Watches, and Clocks

- 3961 – Costume Jewelry Novelties
- 3915 – Jewelers Findings Lapidary Work
- 3911 – Jewelry: Precious Metal
- 3873 – Watch Clock Devices Parts

Lawn Garden Equipment Small Tools Accessories

- 3524 – Garden, Lawn Tractors Eqpt
- 3423 – Hand Edge Tools
- 3425 – Hand Saws Saw Blades
- 3546 – Power Hand Tools

Miscellaneous Consumer Goods

- 3995 – Burial Caskets
- 2047 – Dog Cat Food
- 3965 – Fasteners, Buttons, Needles, Pins
- 3952 – Lead Pencils, Crayons Artist's Mtrls
- 3999 – Manufacturing Industries, NEC
- 3953 – Marking Devices
- 3695 – Recording Media
- 3596 – Scales Balances, Exc Laboratory

Office and Business Furniture and Fixtures

- 2599 – Furniture Fixtures, NEC
- 2522 – Office Furniture, Except Wood
- 2542 – Partitions Fixtures, Except Wood
- 2531 – Public Building Related Furniture

- 2521 – Wood Office Furniture
- 2541 – Wood, Office Store Fixtures

Personal Care Products

- 2844 – Perfumes, Cosmetics Toilet Preparations
- 2676 – Sanitary Paper Prdts

Photographic Equipment Supplies

- 3861 – Photographic Eqpt Splys

Sporting Goods

- 3484 – Small Arms
- 3482 – Small Arms Ammunition
- 3949 – Sporting Athletic Goods, NEC

Toys, Games, and Other Recreational Goods

- 3942 – Dolls Stuffed Toys
- 3944 – Games, Toys Childrens Vehicles
- 3931 – Musical Instruments

Industry Breakdown By NAICS Codes

Apparel – Clothing

- 315299 – All Other Cut Sew Apparel Mfg
- 315292 – Fur Leather Apparel Mfg
- 315991 – Hat, Cap Millinery Mfg
- 315291 – Infants' Cut Sew Apparel Mfg
- 315211 – Men's Boys' Cut Sew Apparel Contractors
- 315228 – Men's Boys' Cut Sew Other Outerwear Mfg
- 315223 – Men's Boys' Cut Sew Shirt (Except Work Shirt) Mfg
- 315222 – Men's Boys' Cut Sew Suit, Coat Overcoat Mfg
- 315224 – Men's Boys' Cut Sew Trouser, Slack Jean Mfg
- 315221 – Men's Boys' Cut Sew Underwear Nightwear Mfg
- 315225 – Men's Boys' Cut Sew Work Clothing Mfg
- 315993 – Men's Boys' Neckwear Mfg
- 315999 – Other Apparel Accessories Other Apparel Mfg
- 315119 – Other Hosiery Sock Mills
- 313249 – Other Knit Fabric Lace Mills
- 315191 – Outerwear Knitting Mills
- 315111 – Sheer Hosiery Mills
- 313312 – Textile Fabric Finishing (Except Broadwoven Fabric) Mills
- 313241 – Weft Knit Fabric Mills
- 315232 – Women's Girls' Cut Sew Blouse Shirt Mfg
- 315233 – Women's Girls' Cut Sew Dress Mfg
- 315231 – Women's Girls' Cut Sew Lingerie, Loungewear Nightwear
- 315239 – Women's Girls' Cut Sew Other Outerwear Mfg
- 315234 – Women's Girls' Cut Sew Suit, Coat, Jacket Skirt Mfg

Apparel – Footwear and Accessories

- 316999 – All Other Leather Good Mfg
- 315292 – Fur Leather Apparel Mfg
- 315992 – Glove Mitten Mfg
- 315991 – Hat, Cap Millinery Mfg
- 316212 – House Slipper Mfg
- 316110 – Leather Hide Tanning Finishing
- 316991 – Luggage Mfg
- 315993 – Men's Boys' Neckwear Mfg
- 316213 – Men's Footwear (Except Athletic) Mfg
- 315999 – Other Apparel Accessories Other Apparel Mfg
- 316219 – Other Footwear Mfg
- 316993 – Personal Leather Good (Except Women's Handbag Purse) Mfg
- 316211 – Rubber Plastics Footwear Mfg
- 316214 – Women's Footwear (Except Athletic) Mfg
- 316992 – Women's Handbag Purse Mfg

Business Forms Supplies

- 323118 – Blankbook, Loose-Leaf Binder Device Mfg
- 339944 – Carbon Paper Inked Ribbon Mfg
- 339942 – Lead Pencil Art Good Mfg
- 323116 – Manifold Business Form Printing
- 339943 – Marking Device Mfg
- 339941 – Pen Mechanical Pencil Mfg

Cleaning Products

- 339994 – Broom, Brush Mop Mfg
- 325612 – Polish Other Sanitation Good Mfg
- 325611 – Soap Other Detergent Mfg
- 325613 – Surface Active Agent Mfg

Consumer Appliances

- 335211 – Electric Housewares Household Fan Mfg
- 335221 – Household Cooking Appliance Mfg
- 335224 – Household Laundry Equipment Mfg
- 335222 – Household Refrigerator Home Freezer Mfg
- 335212 – Household Vacuum Cleaner Mfg
- 335228 – Other Major Household Appliance Mfg

Consumer Electronics

- 334310 – Audio Video Equipment Mfg

Home Furnishings

- 337920 – Blind Shade Mfg
- 314121 – Curtain Drapery Mills
- 337125 – Household Furniture (Except Wood Metal) Mfg
- 337910 – Mattress Mfg
- 337124 – Metal Household Furniture Mfg
- 337122 – Nonupholstered Wood Household Furniture Mfg
- 314129 – Other Household Textile Product Mills
- 337215 – Showcase, Partition, Shelving Locker Mfg
- 337121 – Upholstered Household Furniture Mfg

Housewares Accessories

- 332211 – Cutlery Flatware (Except Precious) Mfg
- 339912 – Silverware Plated Ware Mfg
- 327112 – Vitreous China, Fine Earthenware Other Pottery Prdt Mfg

Jewelry, Watches, and Clocks

- 339914 – Costume Jewelry Novelty Mfg
- 339913 – Jewelers' Material Lapidary Work Mfg
- 339911 – Jewelry (Except Costume) Mfg
- 334518 – Watch, Clock Part Mfg

Lawn Garden Equipment Small Tools Accessories

- 332212 – Hand Edge Tool Mfg
- 333112 – Lawn Garden Tractor Home Lawn Garden Eqpt Mfg
- 333991 – Power-Driven Hand Tool Mfg
- 332213 – Saw Blade Handsaw Mfg

Miscellaneous Consumer Goods

- 339999 – All Other Miscellaneous Mfg
- 339995 – Burial Casket Mfg
- 311111 – Dog Cat Food Mfg
- 339942 – Lead Pencil Art Good Mfg
- 334613 – Magnetic Optical Recording Media Mfg
- 339943 – Marking Device Mfg
- 333997 – Scale Balance (Except Laboratory) Mfg

Office and Business Furniture and Fixtures

- 337212 – Custom Architectural Woodwork Millwork Mfg
- 337127 – Institutional Furniture Mfg
- 337214 – Nonwood Office Furniture Mfg
- 337215 – Showcase, Partition, Shelving Locker Mfg
- 337211 – Wood Office Furniture Mfg

Personal Care Products

- 322291 – Sanitary Paper Product Mfg

- 325611 – Soap Other Detergent Mfg
- 325620 – Toilet Preparation Mfg

Photographic Equipment Supplies

- 333315 – Photographic Photocopying Equipment Mfg
- 325992 – Photographic Film, Paper, Plate Chemical Mfg

Sporting Goods

- 332992 – Small Arms Ammunition Mfg
- 332994 – Small Arms Mfg
- 339920 – Sporting Athletic Goods Mfg

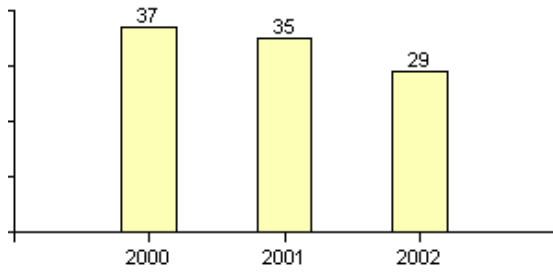
Toys, Games, and Other Recreational Goods

- 339931 – Doll Stuffed Toy Mfg
- 339932 – Game, Toy Children's Vehicle Mfg
- 336991 – Motorcycle, Bicycle Parts Mfg
- 339992 – Musical Instrument Mfg

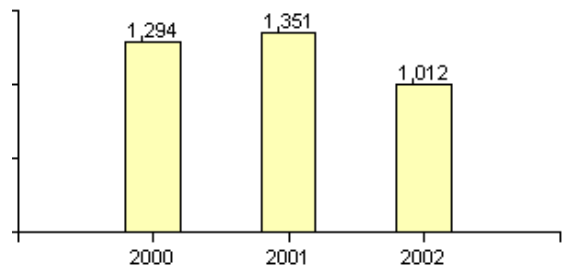
3 Year Trends

Year	Number of Firms	Number of Employees
2000	37	1294
2001	35	1351
2002	29	1012

of Firms



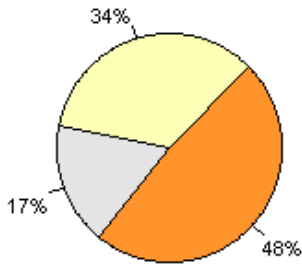
of Employees



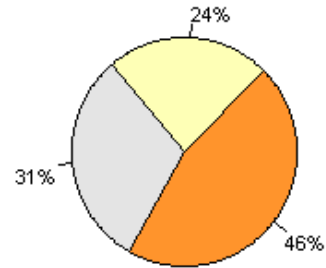
Sector Breakdown by Industry

Industry	# of Firms	Employment	Est. Sales
<i>Biotechnology</i>	14	461	137.7M
<i>Diagnostic Substances</i>	5	313	40.7M
<i>Vitamins, Nutritionals Other Health-Related Products</i>	10	238	83.2M

% of Sector Firms

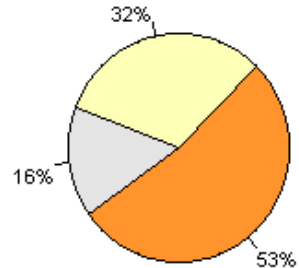


% of Sector Employment

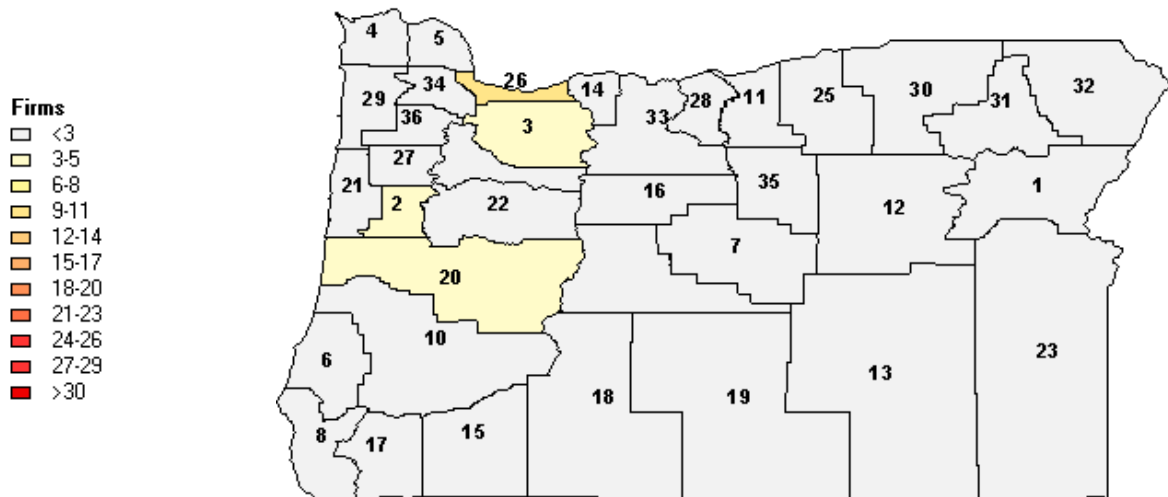


% of Sector Estimated Sales

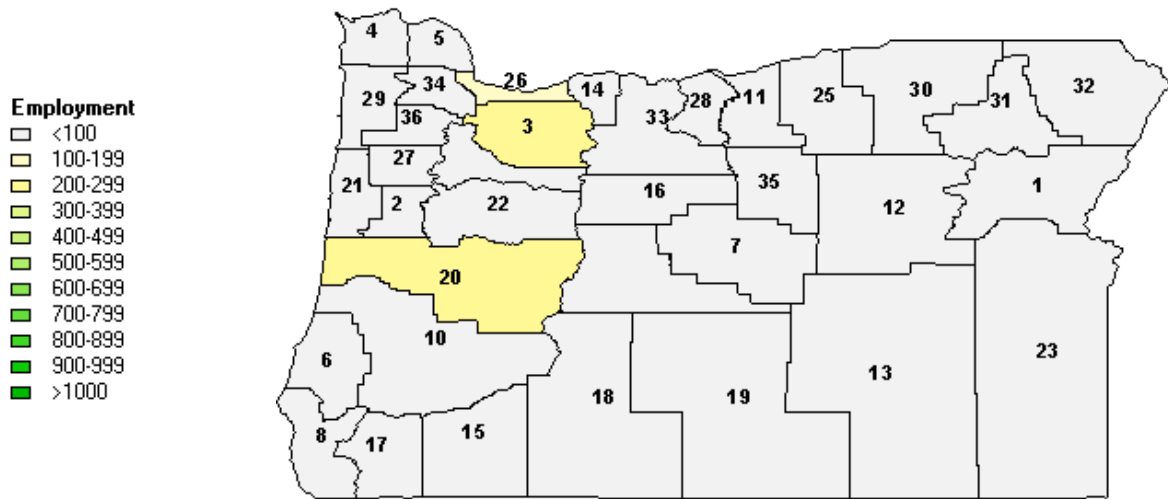
■ Biotechnology
■ Diagnostic Substances
■ Vitamins, Nutritionals & Other Health-Related Products



Firm Density



Employment Density



Density Map Statistics

Map Key	County	# of Firms	% of State Drugs Firms	Employment	% of State Drugs Employment
1	<i>Baker</i>	–	–	–	–
2	<i>Benton</i>	3	10.34%	17	1.68%
3	<i>Clackamas</i>	4	13.79%	250	24.70%
4	<i>Clatsop</i>	–	–	–	–
5	<i>Columbia</i>	–	–	–	–
6	<i>Coos</i>	–	–	–	–
7	<i>Crook</i>	–	–	–	–
8	<i>Curry</i>	–	–	–	–
9	<i>Deschutes</i>	1	3.45%	40	3.95%
10	<i>Douglas</i>	–	–	–	–
11	<i>Gilliam</i>	–	–	–	–
12	<i>Grant</i>	–	–	–	–
13	<i>Harney</i>	–	–	–	–
14	<i>Hood River</i>	–	–	–	–
15	<i>Jackson</i>	–	–	–	–
16	<i>Jefferson</i>	–	–	–	–
17	<i>Josephine</i>	1	3.45%	65	6.42%
18	<i>Klamath</i>	–	–	–	–
19	<i>Lake</i>	–	–	–	–
20	<i>Lane</i>	3	10.34%	232	22.92%
21	<i>Lincoln</i>	–	–	–	–
22	<i>Linn</i>	2	6.90%	84	8.30%
23	<i>Malheur</i>	–	–	–	–
24	<i>Marion</i>	2	6.90%	49	4.84%

25	<i>Morrow</i>	-	-	-	-
26	<i>Multnomah</i>	9	31.03%	166	16.40%
27	<i>Polk</i>	1	3.45%	5	0.49%
28	<i>Sherman</i>	-	-	-	-
29	<i>Tillamook</i>	-	-	-	-
30	<i>Umatilla</i>	-	-	-	-
31	<i>Union</i>	-	-	-	-
32	<i>Wallowa</i>	-	-	-	-
33	<i>Wasco</i>	-	-	-	-
34	<i>Washington</i>	2	6.90%	92	9.09%
35	<i>Wheeler</i>	-	-	-	-
36	<i>Yamhill</i>	1	3.45%	12	1.19%

Major Firms

Company Name	City	HQ Description	Web Address
<i>Molecular Probes Inc</i>	<i>Eugene</i>	<i>Single Location</i>	
<i>PML Microbiologicals</i>	<i>Wilsonville</i>	<i>Headquarters</i>	
<i>Magno-Humphries Inc</i>	<i>Tigard</i>	<i>Single Location</i>	
<i>MML Diagnostics Packing Inc</i>	<i>Troutdale</i>	<i>Single Location</i>	
<i>Eclectic Institute Inc</i>	<i>Sandy</i>	<i>Single Location</i>	

Industry Breakdown By SIC Codes

Biotechnology

- 2836 – Biological Prdts, Exc Diagnostic Substances
- 2834 – Pharmaceuticals

Diagnostic Substances

- 2835 – Diagnostic Substances

Vitamins, Nutritional Other Health-Related Products

- 2833 – Medicinal Chemicals Botanical Prdts

Industry Breakdown By NAICS Codes

Biotechnology

- 325414 – Biological Product (Except Diagnostic) Mfg
- 325412 – Pharmaceutical Preparation Mfg

Diagnostic Substances

- 325413 – In-Vitro Diagnostic Substance Mfg

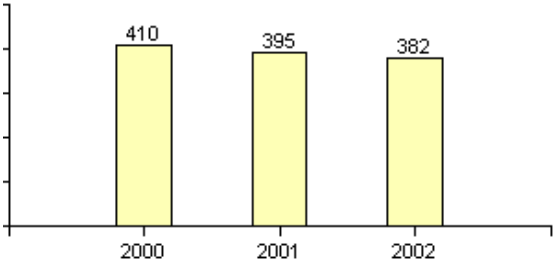
Vitamins, Nutritionals Other Health-Related Products

- 325411 – Medicinal Botanical Mfg

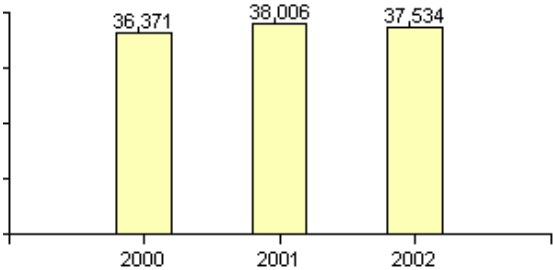
3 Year Trends

Year	Number of Firms	Number of Employees
2000	410	36371
2001	395	38006
2002	382	37534

of Firms



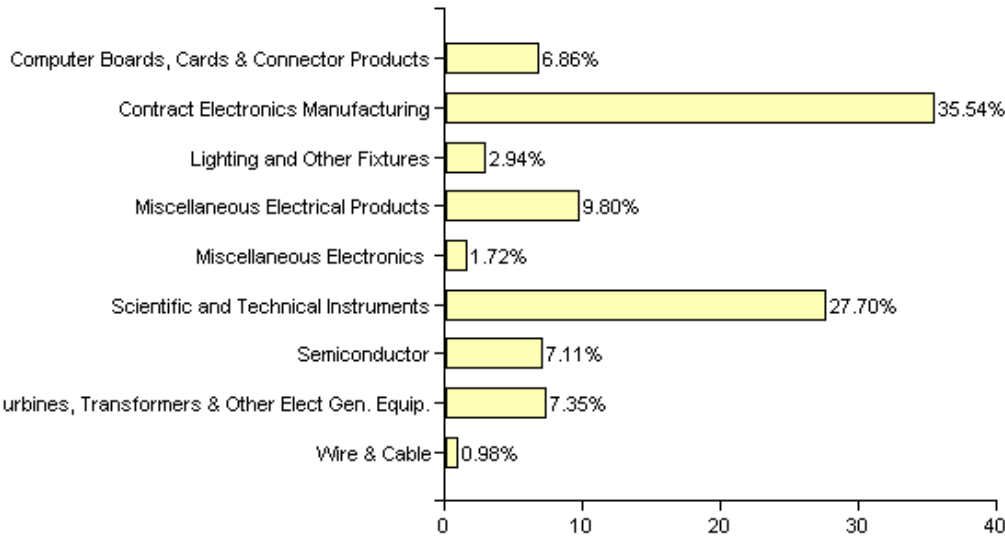
of Employees



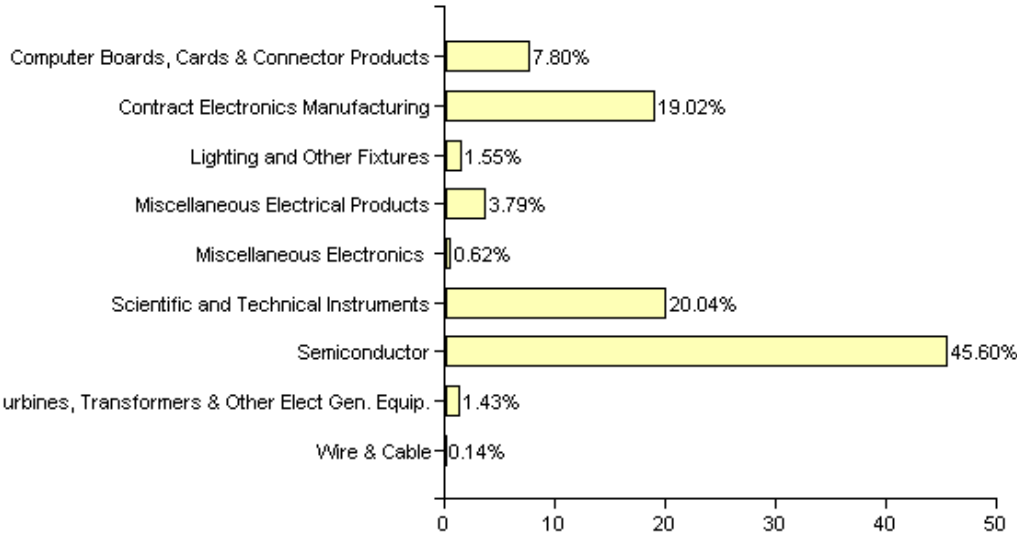
Sector Breakdown by Industry

Industry	# of Firms	Employment	Est. Sales
<i>Computer Boards, Cards Connector Products</i>	28	3,157	468.5M
<i>Contract Electronics Manufacturing</i>	145	7,693	1,055.0M
<i>Lighting and Other Fixtures</i>	12	626	73.7M
<i>Miscellaneous Electrical Products</i>	40	1,535	148.5M
<i>Miscellaneous Electronics</i>	7	250	23.5M
<i>Scientific and Technical Instruments</i>	113	8,109	652.7M
<i>Semiconductor</i>	29	18,448	6,517.5M
<i>Turbines, Transformers Other Elect Gen. Equip.</i>	30	579	69.5M
<i>Wire Cable</i>	4	58	6.0M

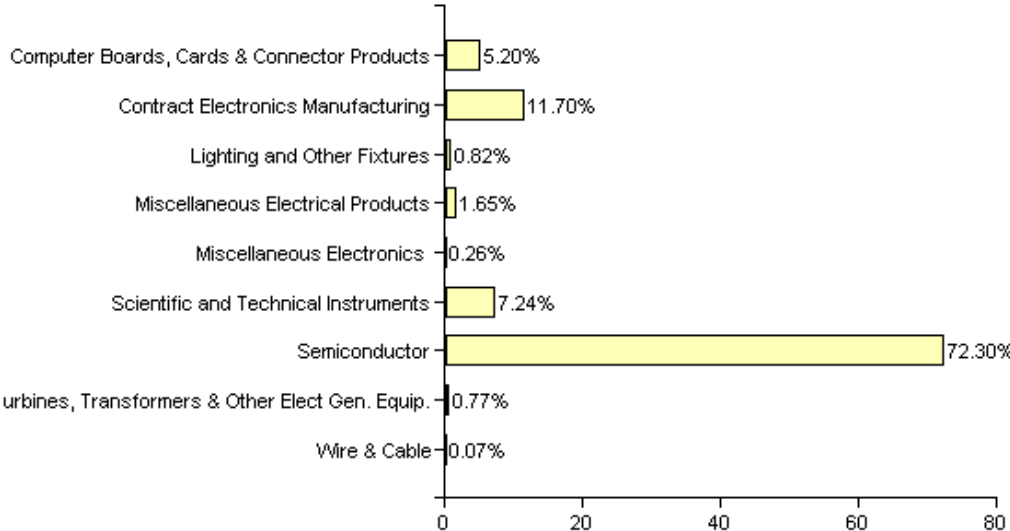
% of Sector Firms



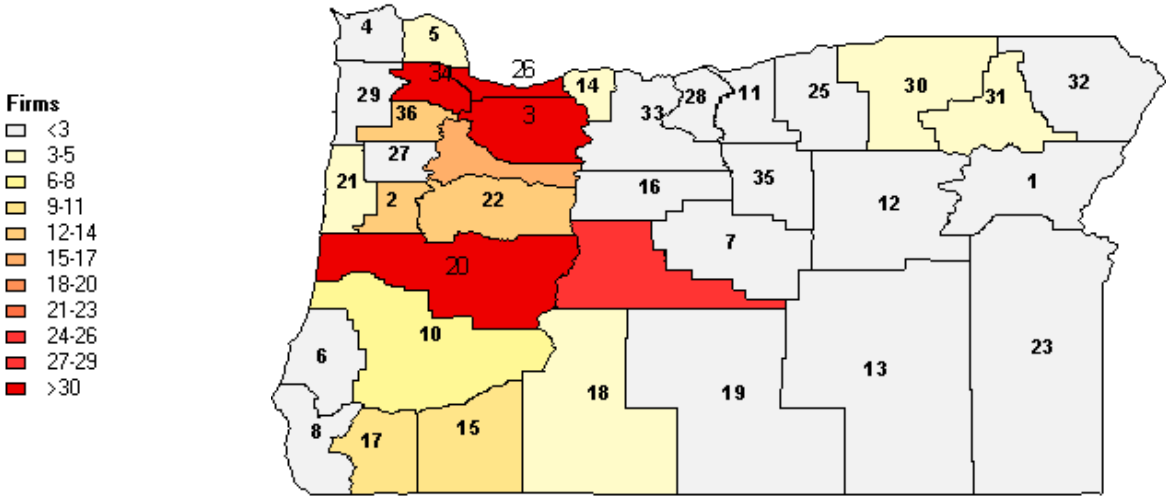
% of Sector Employment



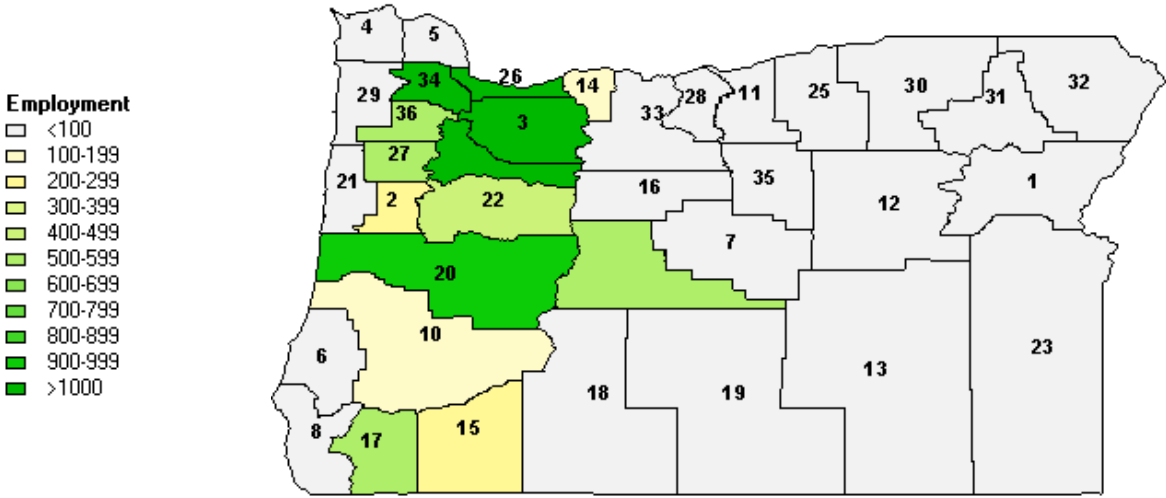
% of Sector Estimated Sales



Firm Density



Employment Density



Density Map Statistics

Map Key	County	# of Firms	% of State Electronics Firms	Employment	% of State Electronics Employment
1	<i>Baker</i>	1	0.26%	6	0.02%
2	<i>Benton</i>	12	3.14%	205	0.55%
3	<i>Clackamas</i>	38	9.95%	1,615	4.30%
4	<i>Clatsop</i>	1	0.26%	10	0.03%
5	<i>Columbia</i>	4	1.05%	39	0.10%
6	<i>Coos</i>	1	0.26%	40	0.11%
7	<i>Crook</i>	1	0.26%	3	0.01%
8	<i>Curry</i>	2	0.52%	16	0.04%
9	<i>Deschutes</i>	24	6.28%	515	1.37%
10	<i>Douglas</i>	6	1.57%	116	0.31%
11	<i>Gilliam</i>	1	0.26%	7	0.02%
12	<i>Grant</i>	–	–	–	–
13	<i>Harney</i>	–	–	–	–
14	<i>Hood River</i>	3	0.79%	135	0.36%
15	<i>Jackson</i>	10	2.62%	232	0.62%
16	<i>Jefferson</i>	–	–	–	–
17	<i>Josephine</i>	10	2.62%	596	1.59%
18	<i>Klamath</i>	4	1.05%	63	0.17%
19	<i>Lake</i>	1	0.26%	4	0.01%
20	<i>Lane</i>	32	8.38%	931	2.48%
21	<i>Lincoln</i>	4	1.05%	41	0.11%
22	<i>Linn</i>	13	3.40%	439	1.17%
23	<i>Malheur</i>	–	–	–	–
24	<i>Marion</i>	17	4.45%	1,700	4.53%

25	<i>Morrow</i>	-	-	-	-
26	<i>Multnomah</i>	62	16.23%	4,001	10.66%
27	<i>Polk</i>	1	0.26%	500	1.33%
28	<i>Sherman</i>	-	-	-	-
29	<i>Tillamook</i>	-	-	-	-
30	<i>Umatilla</i>	3	0.79%	18	0.05%
31	<i>Union</i>	3	0.79%	22	0.06%
32	<i>Wallowa</i>	-	-	-	-
33	<i>Wasco</i>	-	-	-	-
34	<i>Washington</i>	115	30.10%	25,769	68.66%
35	<i>Wheeler</i>	-	-	-	-
36	<i>Yamhill</i>	13	3.40%	511	1.36%

Major Firms

Company Name	City	HQ Description	Web Address
<i>Intel Corporation</i>	<i>Hillsboro</i>	<i>Single Location</i>	
<i>Tektronix Inc</i>	<i>Beaverton</i>	<i>Single Location</i>	www.tek.com
<i>Wacker Siltronic Corp</i>	<i>Portland</i>	<i>Single Location</i>	
<i>Mitsubishi Silicon America</i>	<i>Salem</i>	<i>Headquarters</i>	
<i>Merix Corp</i>	<i>Forest Grove</i>	<i>Single Location</i>	www.merix.com
<i>Epson Portland Inc</i>	<i>Hillsboro</i>	<i>Single Location</i>	
<i>Maxim Integrated Products</i>	<i>Beaverton</i>	<i>Branch</i>	www.maxim-ic.com
<i>Fujitsu Microelectronics Inc</i>	<i>Gresham</i>	<i>Single Location</i>	www.fujitsumicro.com
<i>Integrated Device Tech Inc</i>	<i>Hillsboro</i>	<i>Single Location</i>	
<i>Triquint Semiconductor</i>	<i>Hillsboro</i>	<i>Single Location</i>	

Industry Breakdown By SIC Codes

Computer Boards, Cards Connector Products

- 3678 – Electronic Connectors
- 3672 – Printed Circuit Boards

Contract Electronics Manufacturing

- 3679 – Electronic Components, NEC
- 3999 – Manufacturing Industries, NEC
- 3672 – Printed Circuit Boards

Lighting and Other Fixtures

- 3646 – Commercial, Incl Institutional Lighting Fixtures
- 3641 – Electric Lamps
- 3648 – Lighting Eqpt, NEC
- 3645 – Residential Lighting Fixtures

Miscellaneous Electrical Products

- 3624 – Carbon Graphite Prdts
- 3694 – Electrical Eqpt For Internal Combustion Engines
- 3629 – Electrical Incl Apparatus, NEC
- 3699 – Electrical Machinery, Eqpt Splys, NEC
- 3621 – Motors Generators
- 3692 – Primary Batteries: Dry Wet
- 3691 – Storage Batteries

Miscellaneous Electronics

- 3675 – Electronic Capacitors
- 3677 – Electronic Coils Transformers
- 3676 – Electronic Resistors
- 3671 – Radio T V Receiving Electron Tubes

Scientific and Technical Instruments

- 3826 – Analytical Instruments
- 3824 – Fluid Meters Counters
- 3823 – Incl Instruments For Meas, Display Control
- 3825 – Instrs For Measuring Testing Electricity
- 3821 – Laboratory Apparatus Furniture
- 3829 – Measuring Controlling Devices, NEC
- 3827 – Optical Instruments

Semiconductor

- 3674 – Semiconductors

Turbines, Transformers Other Elect Gen. Equip.

- 3612 – Power, Distribution Specialty Transformers
- 3625 – Relays Incl Controls
- 3511 – Steam, Gas Hydraulic Turbines Engines
- 3613 – Switchgear Switchboard Apparatus

Wire Cable

- 3643 – Current-Carrying Wiring Devices
- 3644 – Noncurrent-Carrying Wiring Devices

Industry Breakdown By NAICS Codes

Computer Boards, Cards Connector Products

- 334417 – Electronic Connector Mfg
- 334412 – Printed Circuit Board Mfg

Contract Electronics Manufacturing

- 339999 – All Other Miscellaneous Mfg
- 334419 – Other Electronic Component Mfg
- 334412 – Printed Circuit Board Mfg
- 334418 – Printed Circuit/Electronics Assembly Mfg

Lighting and Other Fixtures

- 335122 – Commercial, Incl Institutional Electric Lighting Fixture
- 335110 – Electric Lamp Bulb Part Mfg
- 335129 – Other Lighting Equipment Mfg
- 335121 – Residential Electric Lighting Fixture Mfg

Miscellaneous Electrical Products

- 335999 – All Other Misc Electrical Eqpt Component Mfg
- 335991 – Carbon Graphite Product Mfg
- 335912 – Dry Wet Primary Battery Mfg
- 335312 – Motor Generator Mfg
- 336322 – Other Motor Vehicle Electrical Electronic Eqpt Mfg
- 335911 – Storage Battery Mfg

Miscellaneous Electronics

- 334411 – Electron Tube Mfg
- 334414 – Electronic Capacitor Mfg
- 334416 – Electronic Coil, Transformer Other Inductor Mfg
- 334415 – Electronic Resistor Mfg

Scientific and Technical Instruments

- 334516 – Analytical Laboratory Instrument Mfg
- 334515 – Instrument Mfg For Measuring Testing Elec Electl Signals
- 334513 – Instruments Related Prdts For Measuring, Display Control
- 339111 – Laboratory Apparatus Furniture Mfg
- 333314 – Optical Instrument Lens Mfg
- 334519 – Other Measuring Controlling Device Mfg
- 334514 – Totalizing Fluid Meter Counting Device Mfg

Semiconductor

- 334413 – Semiconductor Related Device Mfg

Turbines, Transformers Other Elect Gen. Equip.

- 335311 – Power, Distribution Specialty Transformer Mfg
- 335314 – Relay Industrial Control Mfg
- 335313 – Switchgear Switchboard Apparatus Mfg
- 333611 – Turbine Turbine Generator Set Unit Mfg

Wire Cable

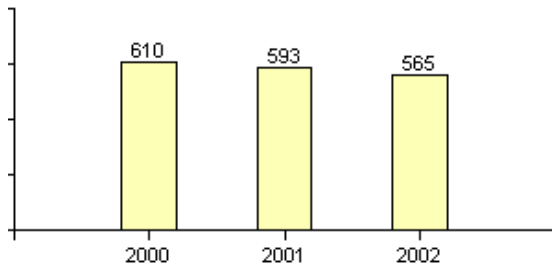
- 335931 – Current-Carrying Wiring Device Mfg
- 335932 – Noncurrent-Carrying Wiring Device Mfg

Food, Beverage & Tobacco Sector

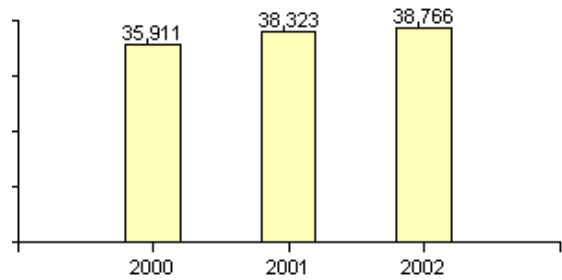
3 Year Trends

Year	Number of Firms	Number of Employees
2000	610	35911
2001	593	38323
2002	565	38766

of Firms



of Employees

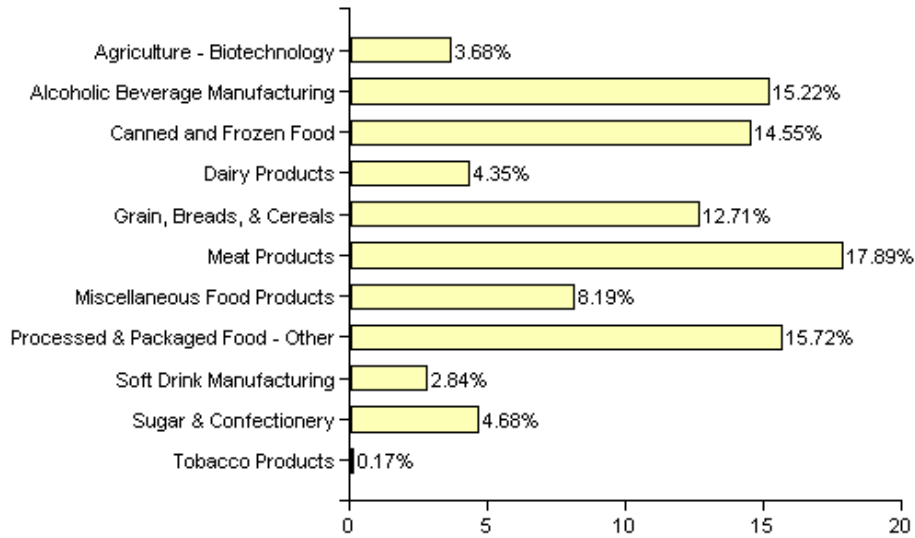


Food, Beverage & Tobacco Sector

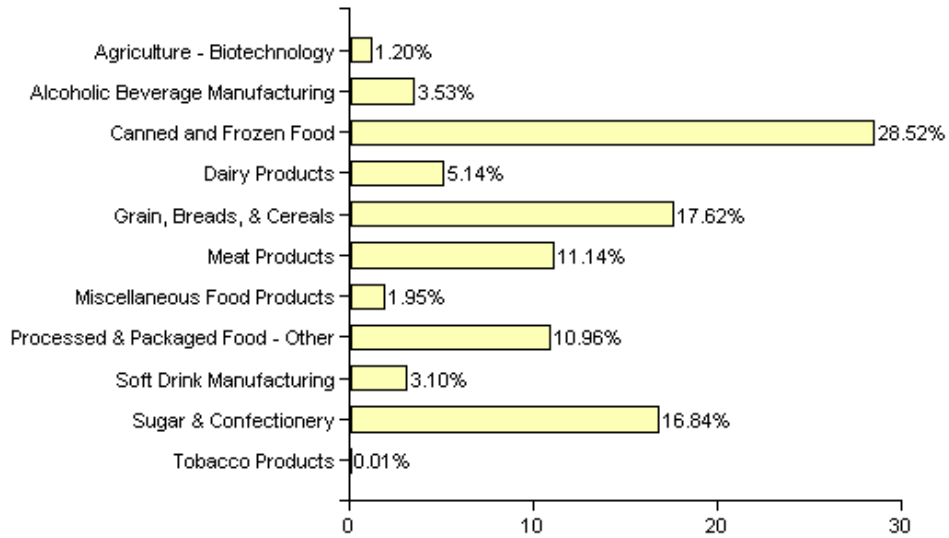
Sector Breakdown by Industry

Industry	# of Firms	Employment	Est. Sales
<i>Agriculture – Biotechnology</i>	22	482	158.5M
<i>Alcoholic Beverage Manufacturing</i>	91	1,423	470.5M
<i>Canned and Frozen Food</i>	87	11,501	2,323.0M
<i>Dairy Products</i>	26	2,072	730.0M
<i>Grain, Breads, Cereals</i>	76	7,106	726.0M
<i>Meat Products</i>	107	4,494	616.0M
<i>Miscellaneous Food Products</i>	49	787	315.5M
<i>Processed Packaged Food – Other</i>	94	4,422	1,015.5M
<i>Soft Drink Manufacturing</i>	17	1,249	647.5M
<i>Sugar Confectionery</i>	28	6,790	5,304.2M
<i>Tobacco Products</i>	1	6	2.5M

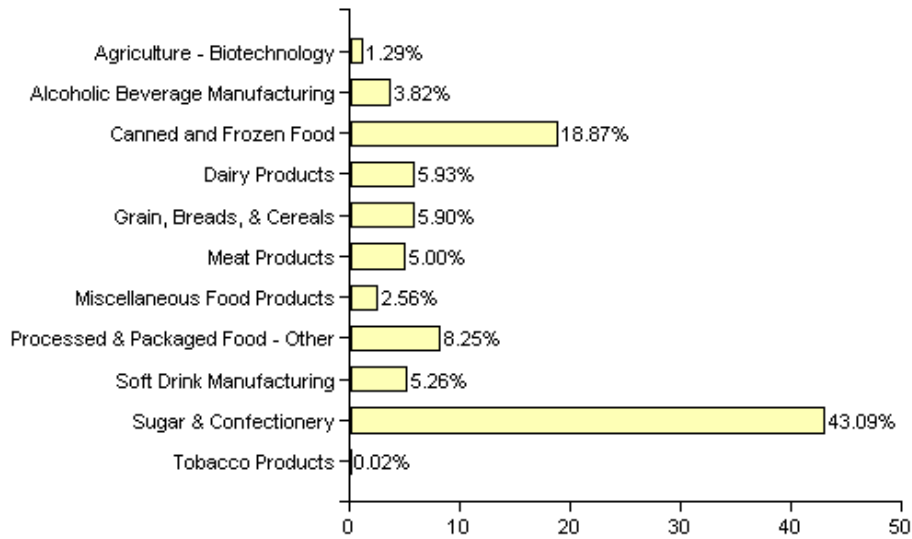
% of Sector Firms



% of Sector Employment

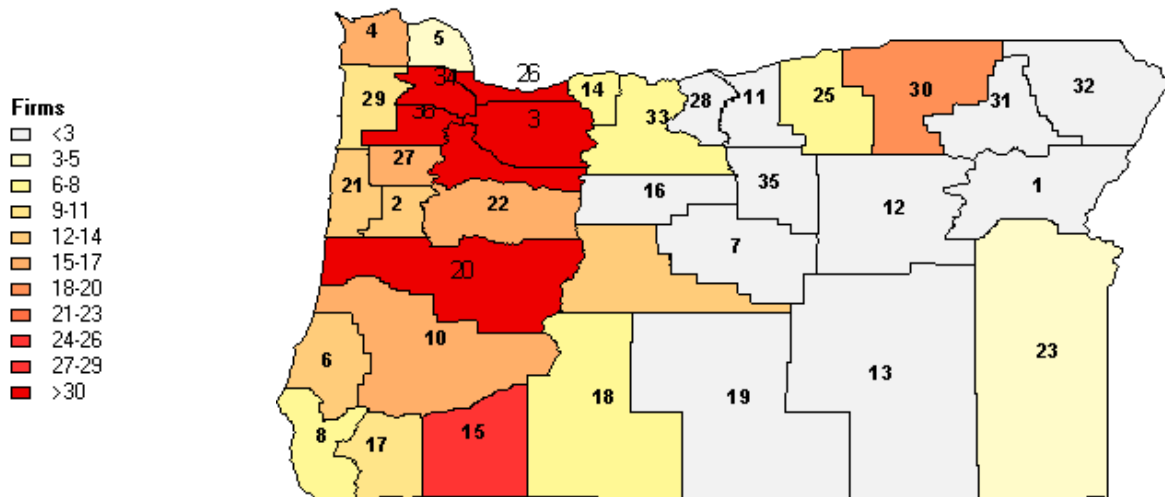


% of Sector Estimated Sales

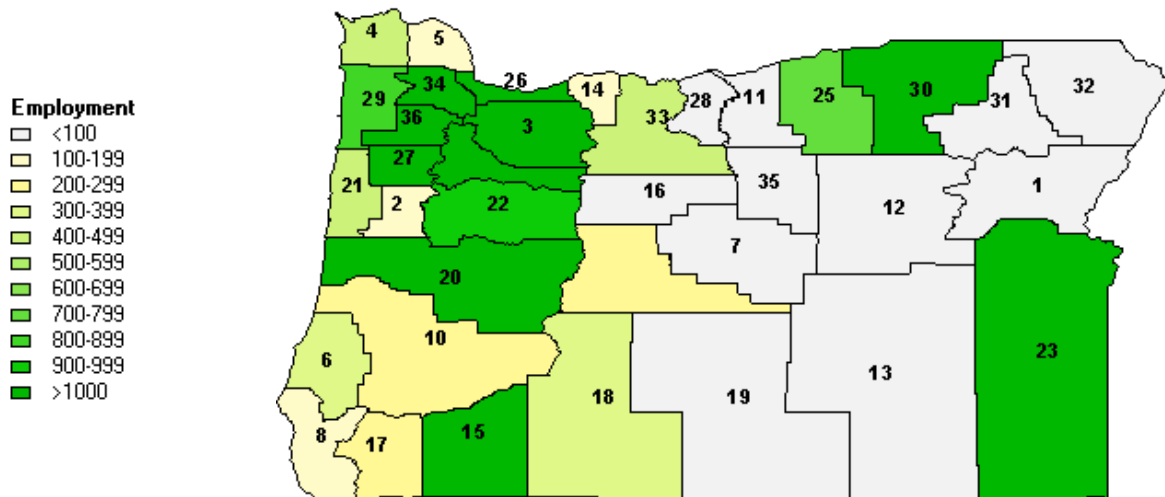


Food, Beverage & Tobacco Sector

Firm Density



Employment Density



Food, Beverage & Tobacco Sector

Density Map Statistics

Map Key	County	# of Firms	% of State Food, Beverage, Tobacco Firms	Employment	% of State Food, Beverage, Tobacco Employment
1	<i>Baker</i>	1	0.18%	36	0.09%
2	<i>Benton</i>	13	2.30%	164	0.42%
3	<i>Clackamas</i>	52	9.20%	1,516	3.91%
4	<i>Clatsop</i>	17	3.01%	495	1.28%
5	<i>Columbia</i>	4	0.71%	180	0.46%
6	<i>Coos</i>	13	2.30%	398	1.03%
7	<i>Crook</i>	–	–	–	–
8	<i>Curry</i>	7	1.24%	160	0.41%
9	<i>Deschutes</i>	14	2.48%	266	0.69%
10	<i>Douglas</i>	17	3.01%	290	0.75%
11	<i>Gilliam</i>	–	–	–	–
12	<i>Grant</i>	1	0.18%	1	0.00%
13	<i>Harney</i>	1	0.18%	3	0.01%
14	<i>Hood River</i>	6	1.06%	131	0.34%
15	<i>Jackson</i>	25	4.42%	6,557	16.91%
16	<i>Jefferson</i>	2	0.35%	36	0.09%
17	<i>Josephine</i>	11	1.95%	238	0.61%
18	<i>Klamath</i>	6	1.06%	345	0.89%
19	<i>Lake</i>	–	–	–	–
20	<i>Lane</i>	57	10.09%	1,385	3.57%
21	<i>Lincoln</i>	13	2.30%	487	1.26%
22	<i>Linn</i>	17	3.01%	947	2.44%
23	<i>Malheur</i>	5	0.88%	1,827	4.71%

24	<i>Marion</i>	52	9.20%	3,234	8.34%
25	<i>Morrow</i>	6	1.06%	757	1.95%
26	<i>Multnomah</i>	95	16.81%	9,200	23.73%
27	<i>Polk</i>	17	3.01%	1,961	5.06%
28	<i>Sherman</i>	–	–	–	–
29	<i>Tillamook</i>	11	1.95%	854	2.20%
30	<i>Umatilla</i>	18	3.19%	2,863	7.39%
31	<i>Union</i>	1	0.18%	4	0.01%
32	<i>Wallowa</i>	–	–	–	–
33	<i>Wasco</i>	6	1.06%	457	1.18%
34	<i>Washington</i>	38	6.73%	2,691	6.94%
35	<i>Wheeler</i>	–	–	–	–
36	<i>Yamhill</i>	39	6.90%	1,283	3.31%

Food, Beverage & Tobacco Sector

Major Firms

Company Name	City	HQ Description	Web Address
<i>Bear Creek Corporation</i>	<i>Medford</i>	<i>Headquarters</i>	
<i>Fred Meyer Inc</i>	<i>Portland</i>	<i>Headquarters</i>	
<i>Agripac Inc</i>	<i>Salem</i>	<i>Single Location</i>	
<i>Ore-Ida Foods Inc</i>	<i>Ontario</i>	<i>Single Location</i>	
<i>J R Simplot Co</i>	<i>Hermiston</i>	<i>Branch</i>	www.simplot.com
<i>Reser's Fine Foods Inc</i>	<i>Beaverton</i>	<i>Headquarters</i>	
<i>Norpac Foods Inc</i>	<i>Stayton</i>	<i>Headquarters</i>	
<i>The Amalgamated Sugar Co</i>	<i>Nyssa</i>	<i>Single Location</i>	
<i>Nabisco Biscuit Co</i>	<i>Portland</i>	<i>Single Location</i>	
<i>NORPAC Foods Inc</i>	<i>Salem</i>	<i>Branch</i>	www.norpac.com

Industry Breakdown By SIC Codes

Agriculture – Biotechnology

- 2836 – Biological Prdts, Exc Diagnostic Substances
- 2833 – Medicinal Chemicals Botanical Prdts
- 2879 – Pesticides Agricultural Chemicals, NEC

Alcoholic Beverage Manufacturing

- 2085 – Liquors, Distilled, Rectified Blended
- 2083 – Malt
- 2082 – Malt Beverages
- 2084 – Wine Brandy

Canned and Frozen Food

- 2033 – Canned Fruits, Vegetables Preserves
- 2032 – Canned Specialties
- 2091 – Fish Seafoods, Canned Cured
- 2092 – Fish Seafoods, Fresh Frozen
- 2037 – Frozen Fruits, Juices Vegetables
- 2038 – Frozen Specialties

Dairy Products

- 2022 – Cheese, Natural and Processed
- 2021 – Creamery Butter
- 2026 – Fluid Milk
- 2024 – Ice Cream other Frozen Desserts
- 2023 – Milk, Condensed Evaporated

Grain, Breads, Cereals

- 2051 – Bread, Bakery Prdts Exc Cookies Crackers
- 2043 – Cereal Breakfast Foods
- 2052 – Cookies Crackers
- 2045 – Flour, Blended Prepared
- 2041 – Flour, Grain Milling
- 2053 – Frozen Bakery Prdts
- 2044 – Rice Milling
- 2046 – Wet Corn Milling

Meat Products

- 2091 – Fish Seafoods, Canned Cured
- 2092 – Fish Seafoods, Fresh Frozen
- 2011 – Meat Packing Plants
- 2015 – Poultry Slaughtering, Dressing Processing
- 2013 – Sausages Meat Prdts

Miscellaneous Food Products

- 2077 – Animal, Marine Fats Oils
- 2074 – Cottonseed Oil Mills
- 2047 – Dog Cat Food
- 2087 – Flavoring Extracts Syrups
- 2097 – Ice
- 2048 – Prepared Feeds For Animals Fowls
- 2079 – Shortening, Oils Margarine
- 2075 – Soybean Oil Mills

- 2076 – Vegetable Oil Mills

Processed Packaged Food – Other

- 2034 – Dried Fruits, Vegetables Soup
- 2099 – Food Preparations, NEC
- 2098 – Macaroni, Spaghetti Noodles
- 2035 – Pickled Fruits, Vegetables, Sauces Dressings
- 2096 – Potato Chips Similar Prdts
- 2068 – Salted Roasted Nuts Seeds

Soft Drink Manufacturing

- 2095 – Coffee
- 2086 – Soft Drinks

Sugar Confectionery

- 2064 – Candy Confectionery Prdts
- 2067 – Chewing Gum
- 2066 – Chocolate Cocoa Prdts
- 2063 – Sugar, Beet
- 2061 – Sugar, Cane
- 2062 – Sugar, Cane Refining

Tobacco Products

- 2111 – Cigarettes
- 2121 – Cigars
- 2141 – Tobacco Stemming Redrying
- 2131 – Tobacco, Chewing Snuff

Industry Breakdown By NAICS Codes

Agriculture – biotechnology

- 325414 – Biological Product (Except Diagnostic) Mfg
- 325411 – Medicinal Botanical Mfg
- 325320 – Pesticide Other Agricultural Chemical Mfg

Alcoholic Beverage Manufacturing

- 312120 – Breweries
- 312140 – Distilleries
- 311213 – Malt Mfg
- 312130 – Wineries

Canned and Frozen Food

- 311712 – Fresh Frozen Seafood Processing
- 311411 – Frozen Fruit, Juice Vegetable Mfg
- 311412 – Frozen Specialty Food Mfg
- 311421 – Fruit Vegetable Canning
- 311711 – Seafood Canning
- 311422 – Specialty Canning

Dairy Products

- 311513 – Cheese Mfg
- 311512 – Creamery Butter Mfg
- 311514 – Dry, Condensed Evaporated Dairy Product Mfg
- 311511 – Fluid Milk Mfg
- 311520 – Ice Cream Frozen Dessert Mfg

Grain, Breads, Cereals

- 311230 – Breakfast Cereal Mfg
- 311812 – Commercial Bakeries
- 311821 – Cookie Cracker Mfg
- 311211 – Flour Milling
- 311822 – Flour Mixes Dough Mfg From Purchased Flour
- 311813 – Frozen Bakery Product Mfg
- 311212 – Rice Milling
- 311221 – Wet Corn Milling

Meat Products

- 311611 – Animal (Except Poultry) Slaughtering
- 311712 – Fresh Frozen Seafood Processing
- 311612 – Meat Processed From Carcasses
- 311615 – Poultry Processing
- 311613 – Rendering Meat By-Product Processing
- 311711 – Seafood Canning

Miscellaneous Food Products

- 311330 – Confectionery Mfg From Purchased Chocolate
- 311111 – Dog Cat Food Mfg
- 311225 – Fats Oils Refining Blending
- 311930 – Flavoring Syrup Concentrate Mfg
- 312113 – Ice Mfg
- 311119 – Other Animal Food Mfg
- 311223 – Other Oilseed Processing

- 311222 – Soybean Processing

Processed Packaged Food – Other

- 311999 – All Other Miscellaneous Food Mfg
- 311423 – Dried Dehydrated Food Mfg
- 311941 – Mayonnaise, Dressing Other Prepared Sauce Mfg
- 311919 – Other Snack Food Mfg
- 311823 – Pasta Mfg
- 311991 – Perishable Prepared Food Mfg
- 311911 – Roasted Nuts Peanut Butter Mfg
- 311942 – Spice Extract Mfg
- 311830 – Tortilla Mfg

Soft Drink Manufacturing

- 312112 – Bottled Water Mfg
- 311920 – Coffee Tea Mfg
- 312111 – Soft Drink Mfg

Sugar Confectionery

- 311313 – Beet Sugar Mfg
- 311312 – Cane Sugar Refining
- 311330 – Confectionery Mfg From Purchased Chocolate
- 311340 – Non-Chocolate Confectionery Mfg
- 311311 – Sugarcane Mills

Tobacco Products

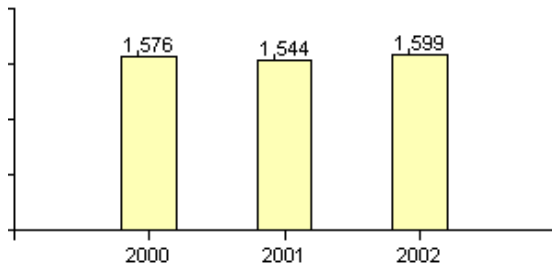
- 312221 – Cigarette Mfg
- 312229 – Other Tobacco Product Mfg
- 312210 – Tobacco Stemming Redrying

General Manufacturing Sector

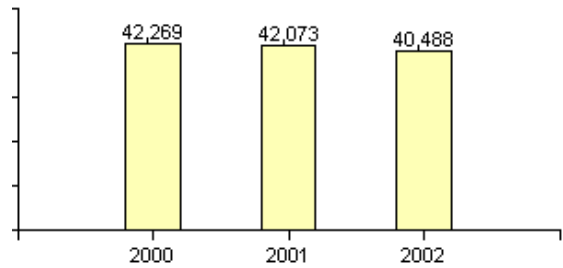
3 Year Trends

Year	Number of Firms	Number of Employees
2000	1576	42269
2001	1544	42073
2002	1599	40488

of Firms



of Employees

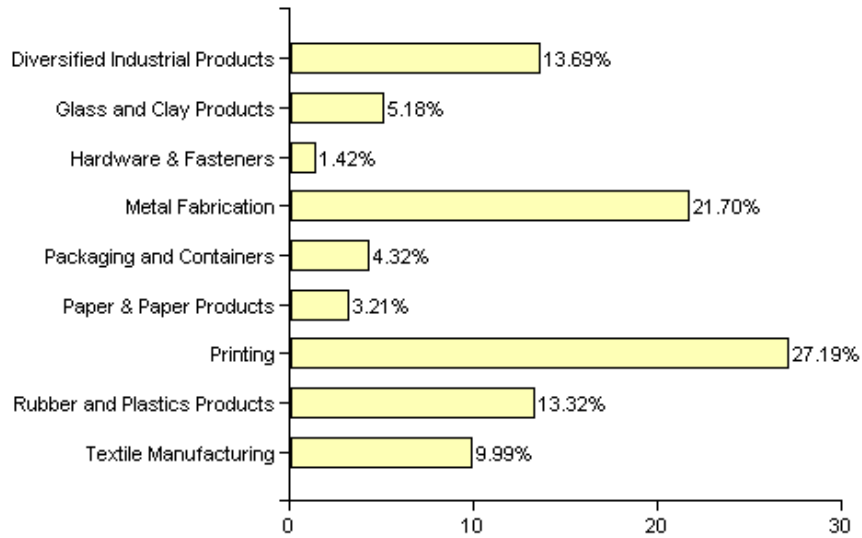


General Manufacturing Sector

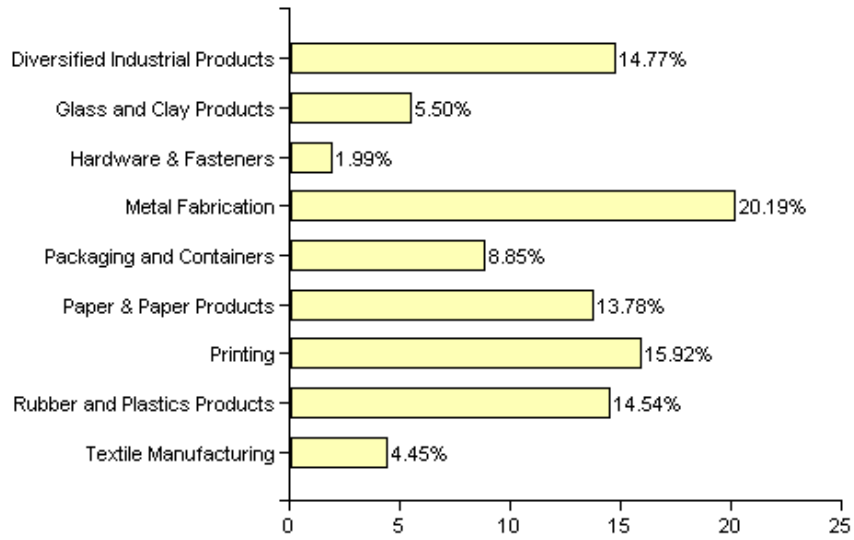
Sector Breakdown by Industry

Industry	# of Firms	Employment	Est. Sales
<i>Diversified Industrial Products</i>	222	6,156	570.2M
<i>Glass and Clay Products</i>	84	2,292	257.0M
<i>Hardware Fasteners</i>	23	828	11.0M
<i>Metal Fabrication</i>	352	8,414	787.2M
<i>Packaging and Containers</i>	70	3,689	647.0M
<i>Paper Paper Products</i>	52	5,742	1,906.7M
<i>Printing</i>	441	6,634	668.5M
<i>Rubber and Plastics Products</i>	216	6,057	614.2M
<i>Textile Manufacturing</i>	162	1,856	156.0M

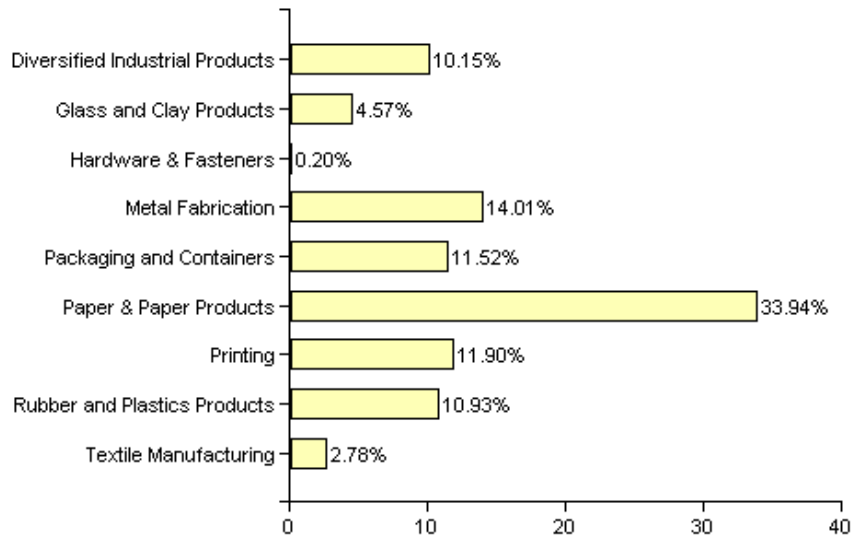
% of Sector Firms



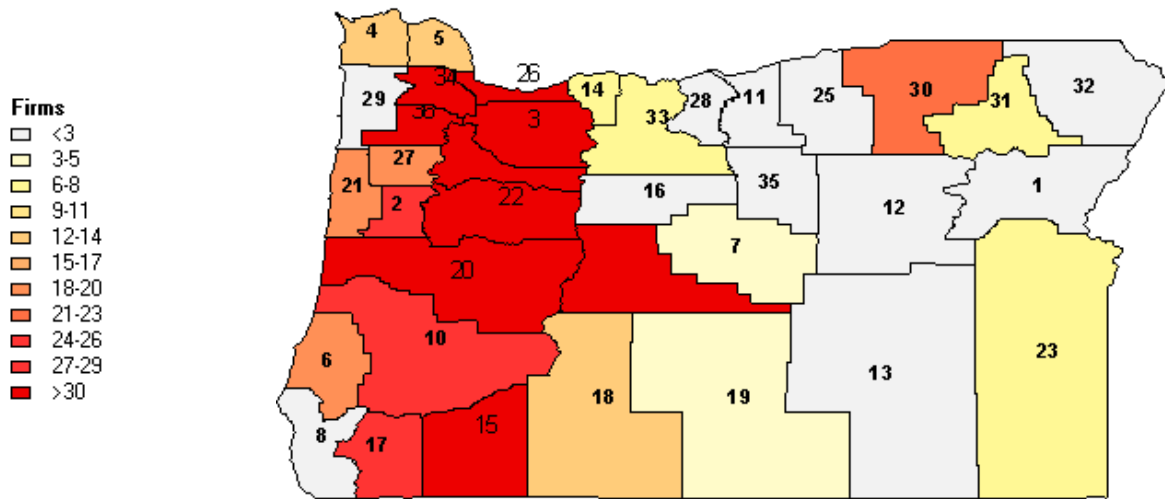
% of Sector Employment



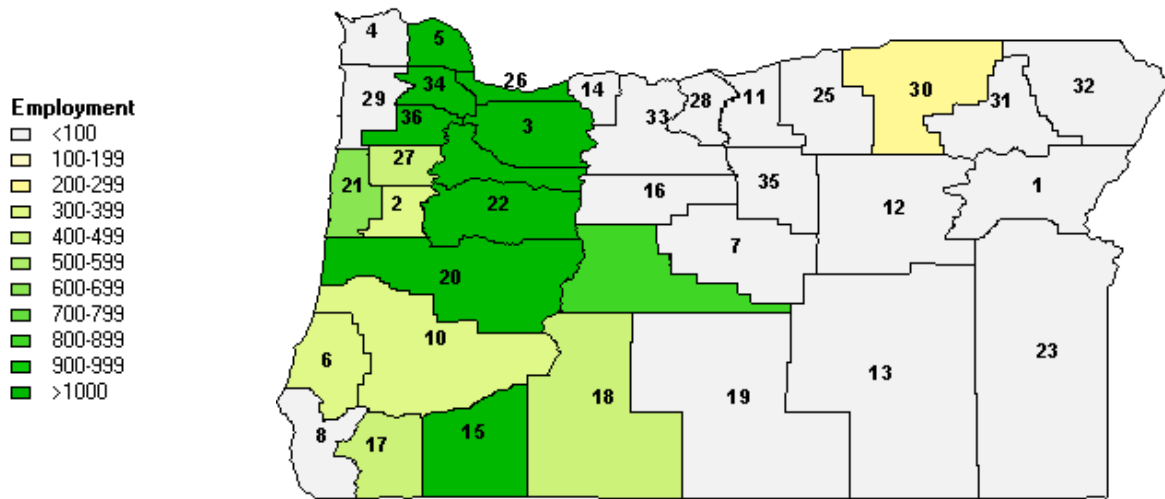
% of Sector Estimated Sales



Firm Density



Employment Density



General Manufacturing Sector

Density Map Statistics

Map Key	County	# of Firms	% of State General Manufacturing Firms	Employment	% of State General Manufacturing Employment
1	<i>Baker</i>	2	0.13%	15	0.04%
2	<i>Benton</i>	24	1.50%	396	0.98%
3	<i>Clackamas</i>	172	10.76%	4,789	11.83%
4	<i>Clatsop</i>	14	0.88%	92	0.23%
5	<i>Columbia</i>	13	0.81%	2,152	5.32%
6	<i>Coos</i>	20	1.25%	309	0.76%
7	<i>Crook</i>	4	0.25%	12	0.03%
8	<i>Curry</i>	1	0.06%	2	0.00%
9	<i>Deschutes</i>	51	3.19%	859	2.12%
10	<i>Douglas</i>	29	1.81%	330	0.82%
11	<i>Gilliam</i>	–	–	–	–
12	<i>Grant</i>	–	–	–	–
13	<i>Harney</i>	2	0.13%	7	0.02%
14	<i>Hood River</i>	7	0.44%	74	0.18%
15	<i>Jackson</i>	84	5.25%	1,188	2.93%
16	<i>Jefferson</i>	2	0.13%	17	0.04%
17	<i>Josephine</i>	25	1.56%	451	1.11%
18	<i>Klamath</i>	14	0.88%	458	1.13%
19	<i>Lake</i>	3	0.19%	48	0.12%
20	<i>Lane</i>	150	9.38%	3,409	8.42%
21	<i>Lincoln</i>	20	1.25%	642	1.59%
22	<i>Linn</i>	40	2.50%	1,796	4.44%
23	<i>Malheur</i>	7	0.44%	99	0.24%

24	<i>Marion</i>	124	7.75%	3,194	7.89%
25	<i>Morrow</i>	1	0.06%	9	0.02%
26	<i>Multnomah</i>	481	30.08%	11,493	28.39%
27	<i>Polk</i>	18	1.13%	445	1.10%
28	<i>Sherman</i>	–	–	–	–
29	<i>Tillamook</i>	2	0.13%	15	0.04%
30	<i>Umatilla</i>	21	1.31%	235	0.58%
31	<i>Union</i>	6	0.38%	59	0.15%
32	<i>Wallowa</i>	2	0.13%	12	0.03%
33	<i>Wasco</i>	6	0.38%	39	0.10%
34	<i>Washington</i>	210	13.13%	6,382	15.76%
35	<i>Wheeler</i>	–	–	–	–
36	<i>Yamhill</i>	44	2.75%	1,460	3.61%

General Manufacturing Sector

Major Firms

Company Name	City	HQ Description	Web Address
<i>Fort James Corp</i>	<i>Clatskanie</i>	<i>Branch</i>	www.fortjames.com
<i>Boise Cascade Corp</i>	<i>Saint Helens</i>	<i>Branch</i>	www.bc.com
<i>Weyerhaeuser</i>	<i>Springfield</i>	<i>Single Location</i>	
<i>James River Corp</i>	<i>Halsey</i>	<i>Single Location</i>	
<i>Georgia-Pacific Corp</i>	<i>Toledo</i>	<i>Single Location</i>	
<i>Shinei USA Inc</i>	<i>Hillsboro</i>	<i>Single Location</i>	
<i>Smurfit Newsprint Corp</i>	<i>Newberg</i>	<i>Single Location</i>	
<i>Willamette Ind</i>	<i>Albany</i>	<i>Single Location</i>	
<i>Simpson Paper Company</i>	<i>West Linn</i>	<i>Single Location</i>	
<i>Donnelley, R R Norwest Inc</i>	<i>Portland</i>	<i>Single Location</i>	

Industry Breakdown By SIC Codes

Diversified Industrial Products

- 3291 – Abrasive Prdts
- 3292 – Asbestos products
- 3499 – Fabricated Metal Prdts, NEC
- 3498 – Fabricated Pipe Pipe Fittings
- 3441 – Fabricated Structural Steel
- 3492 – Fluid Power Valves Hose Fittings
- 3491 – Industrial Valves
- 3999 – Manufacturing Industries, NEC
- 3497 – Metal Foil Leaf
- 3296 – Mineral Wool
- 3295 – Minerals Earths: Ground Or Treated
- 3297 – Nonclay Refractories
- 3299 – Nonmetallic Mineral Prdts, NEC
- 3084 – Plastic Pipe
- 3088 – Plastic Plumbing Fixtures
- 3596 – Scales Balances, Exc Laboratory

Glass and Clay Products

- 3251 – Brick Structural Clay Tile
- 3253 – Ceramic Tile
- 3261 – China Plumbing Fixtures Fittings
- 3262 – China, Table Kitchen Articles
- 3255 – Clay Refractories
- 3263 – Earthenware, Whiteware, Table Kitchen Articles
- 3211 – Flat Glass
- 3221 – Glass Containers
- 3231 – Glass Prdts Made Of Purchased Glass
- 3264 – Porcelain Electrical Splys
- 3269 – Pottery Prdts, NEC
- 3229 – Pressed Blown Glassware, NEC
- 3259 – Structural Clay Prdts, NEC

Hardware Fasteners

- 3452 – Bolts, Nuts, Screws, Rivets Washers
- 3429 – Hardware, NEC

Metal Fabrication

- 3465 – Automotive Stampings
- 3479 – Coating Engraving, NEC
- 3466 – Crowns Closures
- 3471 – Electroplating, Plating, Polishing, Anodizing Coloring
- 3443 – Fabricated Plate Work
- 3429 – Hardware, NEC
- 3462 – Iron Steel Forgings
- 3469 – Metal Stampings, NEC
- 3496 – Misc Fabricated Wire Prdts
- 3449 – Misc Metal Work
- 3463 – Nonferrous Forgings
- 3451 – Screw Machine Prdts
- 3444 – Sheet Metal Work
- 3493 – Steel Springs, Except Wire

- 3494 – Valves Pipe Fittings, NEC
- 3495 – Wire Springs

Packaging and Containers

- 2673 – Bags: Plastics, Laminated Coated
- 2674 – Bags: Uncoated Paper Multiwall
- 2653 – Corrugated Solid Fiber Boxes
- 3466 – Crowns Closures
- 2655 – Fiber Cans, Tubes Drums
- 2657 – Folding Paperboard Boxes
- 3221 – Glass Containers
- 3412 – Metal Barrels, Drums, Kegs Pails
- 3411 – Metal Cans
- 2671 – Paper Coating Laminating for Packaging
- 3085 – Plastic Bottles
- 2656 – Sanitary Food Containers
- 2652 – Set-Up Paperboard Boxes
- 2441 – Wood Boxes
- 2449 – Wood Containers, NEC
- 2448 – Wood Pallets Skids

Paper Paper Products

- 2674 – Bags: Uncoated Paper Multiwall
- 2679 – Converted Paper Prdts, NEC
- 2675 – Die-Cut Paper Board
- 2677 – Envelopes
- 2672 – Paper Coating Laminating, Exc for Packaging
- 2621 – Paper Mills
- 2631 – Paperboard Mills
- 2611 – Pulp Mills
- 2678 – Stationery Prdts

Printing

- 2732 – Book Printing, Not Publishing
- 2789 – Bookbinding
- 2759 – Commercial Printing
- 2754 – Commercial Printing: Gravure
- 2752 – Commercial Printing: Lithographic
- 2796 – Platemaking Related Svcs
- 2791 – Typesetting

Rubber and Plastics Products

- 3087 – Custom Compounding Of Purchased Plastic Resins
- 3069 – Fabricated Rubber Prdts, NEC
- 3053 – Gaskets, Packing Sealing Devices
- 3061 – Molded, Extruded Lathe-Cut Rubber Mechanical Goods
- 3086 – Plastic Foam Prdts
- 3083 – Plastic Laminated Plate Sheet
- 3089 – Plastic Prdts
- 3082 – Plastic Unsupported Profile Shapes
- 3081 – Plastic Unsupported Sheet Film
- 3052 – Rubber Plastic Hose Belting
- 3011 – Tires Inner Tubes

Textile Manufacturing

- 2396 – Automotive Trimmings, Apparel Findings, Related Prdts
- 2394 – Canvas Prdts
- 2273 – Carpets Rugs
- 2257 – Circular Knit Fabric Mills
- 2298 – Cordage Twine
- 2261 – Cotton Fabric Finishers
- 2211 – Cotton, Woven Fabric

- 2241 – Fabric Mills, Cotton, Wool, Silk Man–Made
- 2399 – Fabricated Textile Prdts, NEC
- 2295 – Fabrics Coated Not Rubberized
- 2297 – Fabrics, Nonwoven
- 2253 – Knit Outerwear Mills
- 2254 – Knit Underwear Mills
- 2259 – Knitting Mills, NEC
- 2258 – Lace Warp Knit Fabric Mills
- 2395 – Pleating Stitching For The Trade
- 2397 – Schifflli Machine Embroideries
- 2262 – Silk Man–Made Fabric Finishers
- 2221 – Silk Man–Made Fiber
- 2393 – Textile Bags
- 2269 – Textile Finishers, NEC
- 2299 – Textile Goods, NEC
- 2284 – Thread Mills
- 2296 – Tire Cord Fabric
- 2231 – Wool, Woven Fabric
- 2281 – Yarn Spinning Mills
- 2282 – Yarn Texturizing, Throwing, Twisting Winding Mills

Industry Breakdown By NAICS Codes

Diversified Industrial Products

- 327910 – Abrasive Product Mfg
- 332999 – All Other Misc Fabricated Metal Prdt Mfg
- 339999 – All Other Miscellaneous Mfg
- 327999 – All Other Miscellaneous Nonmetallic Mineral Prdt Mfg
- 332996 – Fabricated Pipe Pipe Fitting Mfg
- 332912 – Fluid Power Valve Hose Fitting Mfg
- 327992 – Ground Or Treated Mineral Earth Mfg
- 332911 – Industrial Valve Mfg
- 327993 – Mineral Wool Mfg
- 327125 – Nonclay Refractory Mfg
- 326191 – Plastics Plumbing Fixture Mfg
- 333997 – Scale Balance (Except Laboratory) Mfg

Glass and Clay Products

- 327121 – Brick Structural Clay Tile Mfg
- 327122 – Ceramic Wall Floor Tile Mfg
- 327124 – Clay Refractory Mfg
- 327211 – Flat Glass Mfg
- 327213 – Glass Container Mfg
- 327215 – Glass Product Mfg Made Of Purchased Glass
- 327212 – Other Pressed Blown Glass Glassware Mfg
- 327123 – Other Structural Clay Product Mfg
- 327113 – Porcelain Electrical Supply Mfg
- 327111 – Vitreous China Plumbing Fixture, China, Earthenware Fittings
- 327112 – Vitreous China, Fine Earthenware Other Pottery Prdt Mfg

Hardware Fasteners

- 332722 – Bolt, Nut, Screw, Rivet Washer Mfg
- 332510 – Hardware Mfg

Metal Fabrication

- 332115 – Crown Closure Mfg
- 332114 – Custom Roll Forming
- 332813 – Electroplating, Plating, Polishing, Anodizing Coloring
- 332312 – Fabricated Structural Metal Mfg
- 332510 – Hardware Mfg
- 332111 – Iron Steel Forging
- 332214 – Kitchen Utensil, Pot Pan Mfg
- 332812 – Metal Coating, Engraving Except Jewelry Silverware
- 332116 – Metal Stamping
- 332420 – Metal Tank (Heavy Gauge) Mfg
- 336370 – Motor Vehicle Metal Stamping
- 332112 – Nonferrous Forging
- 332618 – Other Fabricated Wire Product Mfg
- 332439 – Other Metal Container Mfg
- 332919 – Other Metal Valve Pipe Fitting Mfg
- 332313 – Plate Work Mfg
- 332410 – Power Boiler Heat Exchanger Mfg
- 332721 – Precision Turned Product Mfg
- 332322 – Sheet Metal Work Mfg
- 332611 – Steel Spring (Except Wire) Mfg

- 332612 – Wire Spring Mfg

Packaging and Containers

- 322221 – Coated Laminated Packaging Paper Plastics Film Mfg
- 322211 – Corrugated Solid Fiber Box Mfg
- 332115 – Crown Closure Mfg
- 322214 – Fiber Can, Tube, Drum Similar Products Mfg
- 322212 – Folding Paperboard Box Mfg
- 327213 – Glass Container Mfg
- 332431 – Metal Can Mfg
- 322215 – Non-Folding Sanitary Food Container Mfg
- 332439 – Other Metal Container Mfg
- 326160 – Plastics Bottle Mfg
- 322223 – Plastics, Foil Coated Paper Bag Mfg
- 322213 – Setup Paperboard Box Mfg
- 322224 – Uncoated Paper Multiwall Bag Mfg
- 326111 – Unsupported Plastics Bag Mfg
- 326112 – Unsupported Plastics Packaging Film Sheet Mfg
- 321920 – Wood Container Pallet Mfg

Paper Paper Products

- 322299 – All Other Converted Paper Product Mfg
- 322222 – Coated Laminated Paper Mfg
- 322231 – Die-Cut Paper Paperboard Office Supplies Mfg
- 322231 – Die-Cut Paper Paperboard Office Supplies Mfg
- 322232 – Envelope Mfg
- 322121 – Paper (Except Newsprint) Mills
- 322130 – Paperboard Mills
- 322110 – Pulp Mills
- 322233 – Stationery, Tablet Related Product Mfg
- 322226 – Surface Coated Paperboard Mfg
- 322224 – Uncoated Paper Multiwall Bag Mfg

Printing

- 323117 – Book Printing
- 323112 – Commercial Flexographic Printing
- 323111 – Commercial Gravure Printing
- 323110 – Commercial Lithographic Printing
- 323113 – Commercial Screen Printing
- 323119 – Other Commercial Printing
- 323122 – Prepress Services
- 323114 – Quick Printing
- 323121 – Tradebinding Related Work

Rubber and Plastics Products

- 326199 – All Other Plastics Product Mfg
- 326299 – All Other Rubber Product Mfg
- 325991 – Custom Compounding Of Purchased Resin
- 339991 – Gasket, Packing, Sealing Device Mfg
- 326130 – Laminated Plastics Plate, Sheet Shape Mfg
- 326122 – Plastics Pipe Pipe Fitting Mfg
- 326140 – Polystyrene Foam Product Mfg
- 326220 – Rubber Plastics Hoses Belting Mfg
- 326291 – Rubber Product Mfg For Mechanical Use
- 326211 – Tire Mfg (Except Retreading)
- 326113 – Unsupported Plastics Film Sheet (Except Packaging) Mfg
- 326121 – Unsupported Plastics Profile Shape Mfg
- 326150 – Urethane Other Foam Prdt (Except Polystyrene) Mfg

Textile Manufacturing

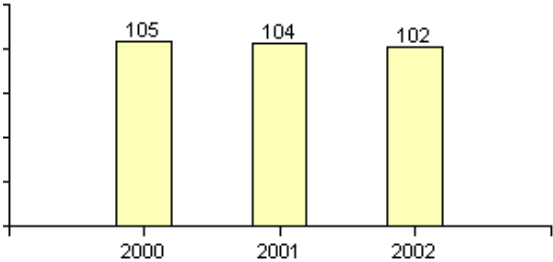
- 314999 – All Other Miscellaneous Textile Product Mills
- 313311 – Broadwoven Fabric Finishing Mills

- 313210 – Broadwoven Fabric Mills
- 314912 – Canvas Related Product Mills
- 314110 – Carpet Rug Mills
- 323113 – Commercial Screen Printing
- 313320 – Fabric Coating Mills
- 336360 – Motor Vehicle Fabric Accessories Seat Mfg
- 313221 – Narrow Fabric Mills
- 313230 – Nonwoven Fabric Mills
- 315999 – Other Apparel Accessories Other Apparel Mfg
- 313249 – Other Knit Fabric Lace Mills
- 315191 – Outerwear Knitting Mills
- 314991 – Rope, Cordage Twine Mills
- 313222 – Schiffli Machine Embroidery
- 313312 – Textile Fabric Finishing (Except Broadwoven Fabric) Mills
- 314911 – Textile Bag Mills
- 313113 – Thread Mills
- 314992 – Tire Cord Tire Fabric Mills
- 313241 – Weft Knit Fabric Mills
- 313111 – Yarn Spinning Mills

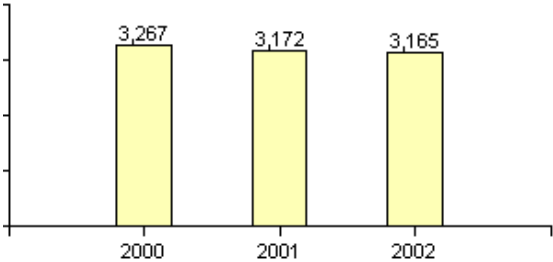
3 Year Trends

Year	Number of Firms	Number of Employees
2000	105	3267
2001	104	3172
2002	102	3165

of Firms



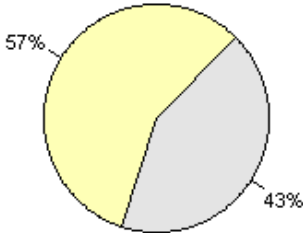
of Employees



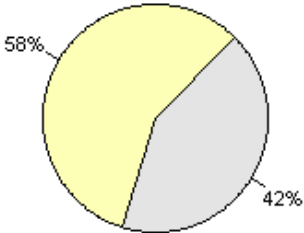
Sector Breakdown by Industry

Industry	# of Firms	Employment	Est. Sales
<i>Medical Appliances Equipment</i>	75	2,305	414.0M
<i>Medical Instruments and Supplies</i>	101	3,160	527.0M

% of Sector Firms



% of Sector Employment

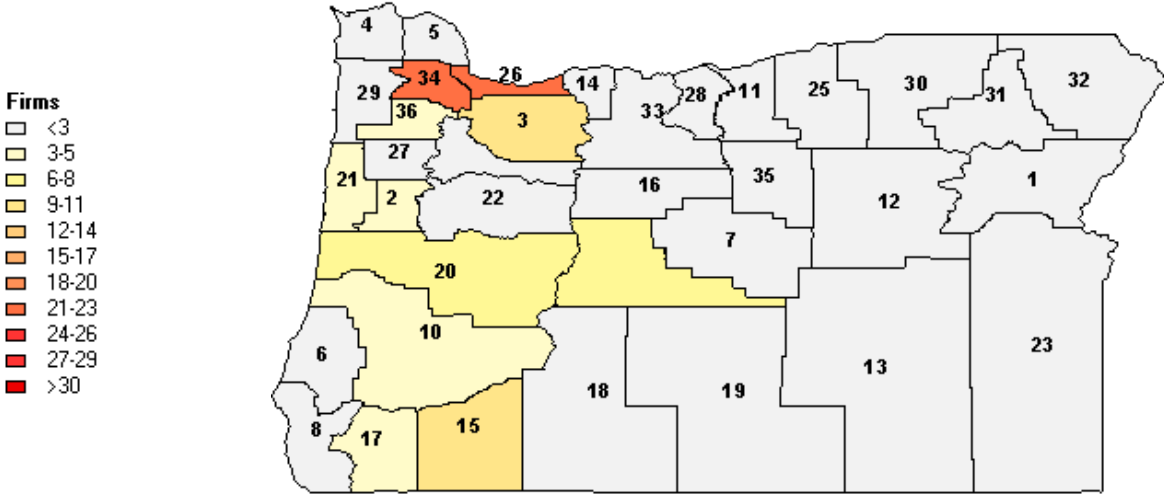


% of Sector Estimated Sales

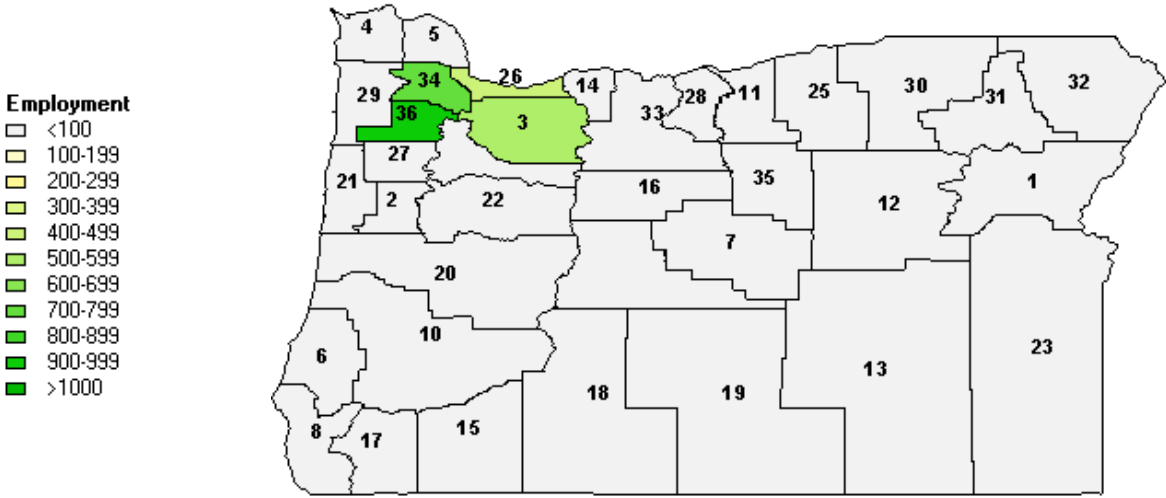
Medical Appliances & Equipment
 Medical Instruments and Supplies



Firm Density



Employment Density



Density Map Statistics

Map Key	County	# of Firms	% of State Health Products Firms	Employment	% of State Health Products Employment
1	<i>Baker</i>	–	–	–	–
2	<i>Benton</i>	3	2.94%	62	1.96%
3	<i>Clackamas</i>	11	10.78%	530	16.75%
4	<i>Clatsop</i>	–	–	–	–
5	<i>Columbia</i>	–	–	–	–
6	<i>Coos</i>	–	–	–	–
7	<i>Crook</i>	–	–	–	–
8	<i>Curry</i>	–	–	–	–
9	<i>Deschutes</i>	6	5.88%	67	2.12%
10	<i>Douglas</i>	4	3.92%	13	0.41%
11	<i>Gilliam</i>	–	–	–	–
12	<i>Grant</i>	–	–	–	–
13	<i>Harney</i>	–	–	–	–
14	<i>Hood River</i>	–	–	–	–
15	<i>Jackson</i>	9	8.82%	96	3.03%
16	<i>Jefferson</i>	2	1.96%	31	0.98%
17	<i>Josephine</i>	5	4.90%	95	3.00%
18	<i>Klamath</i>	–	–	–	–
19	<i>Lake</i>	–	–	–	–
20	<i>Lane</i>	7	6.86%	64	2.02%
21	<i>Lincoln</i>	3	2.94%	13	0.41%
22	<i>Linn</i>	1	0.98%	18	0.57%
23	<i>Malheur</i>	1	0.98%	12	0.38%
24	<i>Marion</i>	2	1.96%	20	0.63%

25	<i>Morrow</i>	-	-	-	-
26	<i>Multnomah</i>	21	20.59%	450	14.22%
27	<i>Polk</i>	1	0.98%	4	0.13%
28	<i>Sherman</i>	-	-	-	-
29	<i>Tillamook</i>	-	-	-	-
30	<i>Umatilla</i>	-	-	-	-
31	<i>Union</i>	1	0.98%	2	0.06%
32	<i>Wallowa</i>	1	0.98%	6	0.19%
33	<i>Wasco</i>	-	-	-	-
34	<i>Washington</i>	21	20.59%	753	23.79%
35	<i>Wheeler</i>	-	-	-	-
36	<i>Yamhill</i>	3	2.94%	929	29.35%

Major Firms

Company Name	City	HQ Description	Web Address
<i>A-DEC Inc</i>	<i>Newberg</i>	<i>Headquarters</i>	
<i>Protocol Systems Inc</i>	<i>Beaverton</i>	<i>Headquarters</i>	
<i>Micro Systems Engineering Inc</i>	<i>Lake Oswego</i>	<i>Single Location</i>	
<i>Opti-Craft</i>	<i>Portland</i>	<i>Headquarters</i>	
<i>Acumed Inc</i>	<i>Beaverton</i>	<i>Single Location</i>	
<i>Starkey Labs Inc</i>	<i>Portland</i>	<i>Single Location</i>	
<i>Forest Medical Products Inc</i>	<i>Hillsboro</i>	<i>Single Location</i>	
<i>Thortex Inc</i>	<i>Clackamas</i>	<i>Single Location</i>	
<i>Hewlett-Packard Co</i>	<i>Corvallis</i>	<i>Branch</i>	www.hp.com
<i>Indepak Inc</i>	<i>Portland</i>	<i>Branch</i>	www.indepak.com

Industry Breakdown By SIC Codes

Medical Appliances Equipment

- 3843 – Dental Eqpt Splys
- 3845 – Electromedical Electrotherapeutic Apparatus
- 3842 – Orthopedic, Prosthetic Surgical Appliances/Splys
- 3844 – X-ray Apparatus Tubes

Medical Instruments and Supplies

- 3843 – Dental Eqpt Splys
- 3845 – Electromedical Electrotherapeutic Apparatus
- 3851 – Ophthalmic Goods
- 3842 – Orthopedic, Prosthetic Surgical Appliances/Splys
- 3841 – Surgical Medical Instrs Apparatus

Industry Breakdown By NAICS Codes

Medical Appliances Equipment

- 339114 – Dental Equipment Supplies Mfg
- 334510 – Electromedical Electrotherapeutic Apparatus Mfg
- 334517 – Irradiation Apparatus Mfg
- 339111 – Laboratory Apparatus Furniture Mfg
- 339115 – Ophthalmic Goods Mfg
- 333314 – Optical Instrument Lens Mfg
- 339112 – Surgical Medical Instrument Mfg
- 339113 – Surgical Appliance Supplies Mfg

Medical Instruments and Supplies

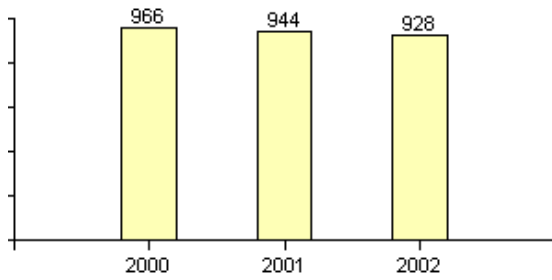
- 339114 – Dental Equipment Supplies Mfg
- 334510 – Electromedical Electrotherapeutic Apparatus Mfg
- 339115 – Ophthalmic Goods Mfg
- 322291 – Sanitary Paper Product Mfg
- 339112 – Surgical Medical Instrument Mfg
- 339113 – Surgical Appliance Supplies Mfg

Industrial Machinery & Equipment Sector

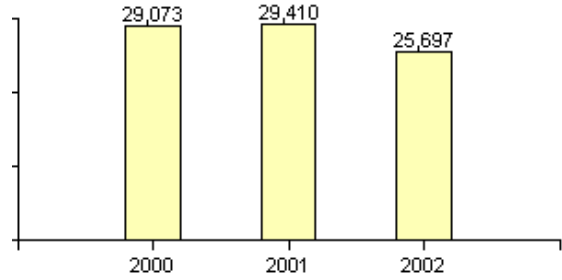
3 Year Trends

Year	Number of Firms	Number of Employees
2000	966	29073
2001	944	29410
2002	928	25697

of Firms



of Employees



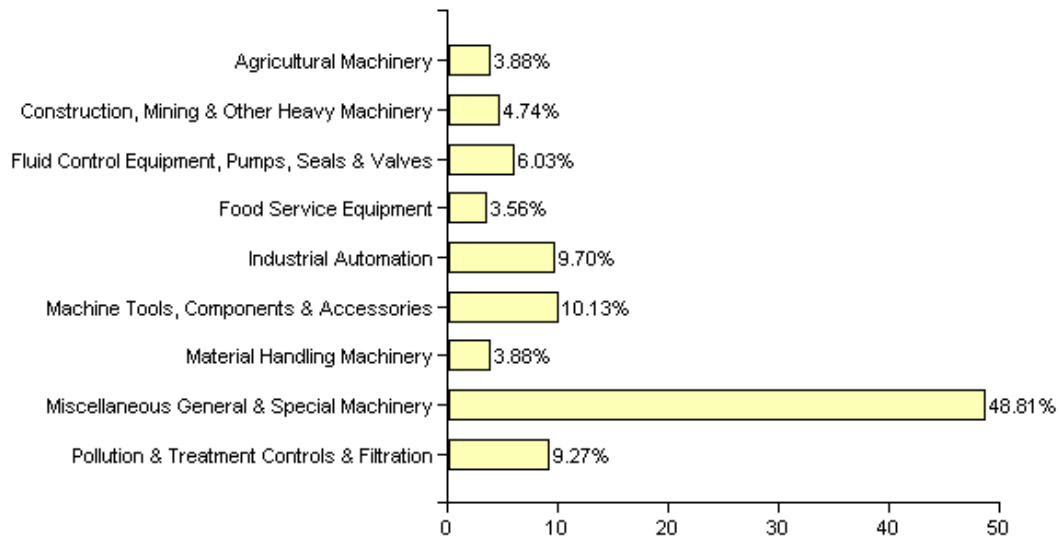
Industrial Machinery & Equipment Sector

Sector Breakdown by Industry

Industry	# of Firms	Employment	Est. Sales
<i>Agricultural Machinery</i>	36	619	106.2M
<i>Construction, Mining Other Heavy Machinery</i>	44	1,665	320.2M
<i>Fluid Control Equipment, Pumps, Seals Valves</i>	56	2,485	222.5M
<i>Food Service Equipment</i>	33	1,534	159.2M
<i>Industrial Automation</i>	90	1,637	224.7M
<i>Machine Tools, Components Accessories</i>	94	1,157	137.0M
<i>Material Handling Machinery</i>	36	6,355	435.7M
<i>Miscellaneous General Special Machinery</i>	453	7,167	757.7M
<i>Pollution Treatment Controls Filtration</i>	86	3,078	348.5M

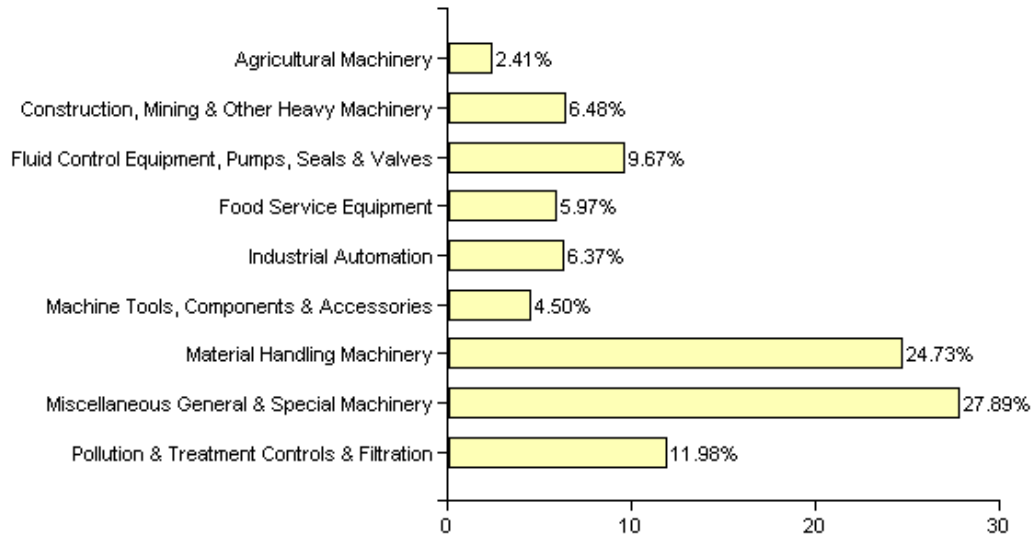
Industrial Machinery & Equipment Sector

% of Sector Firms



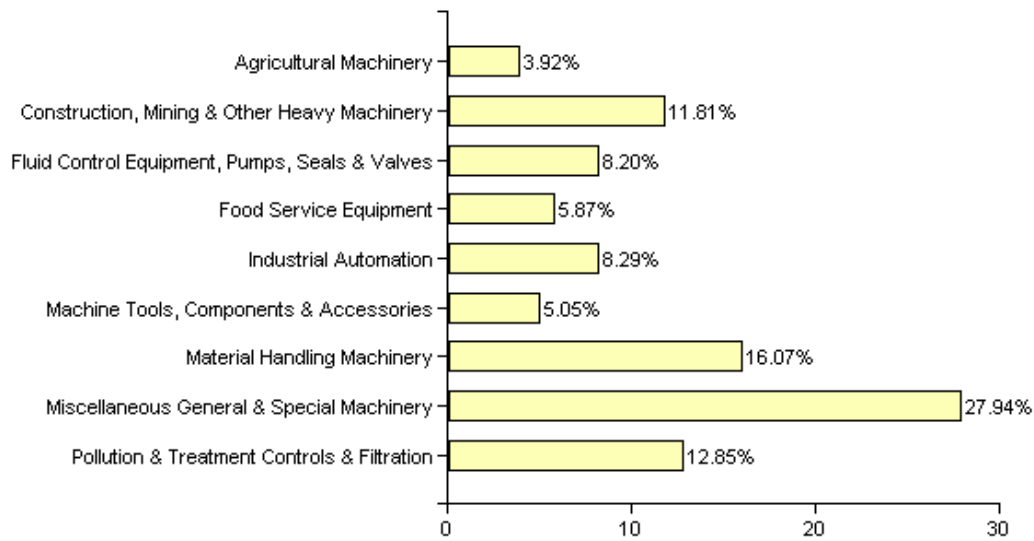
Industrial Machinery & Equipment Sector

% of Sector Employment



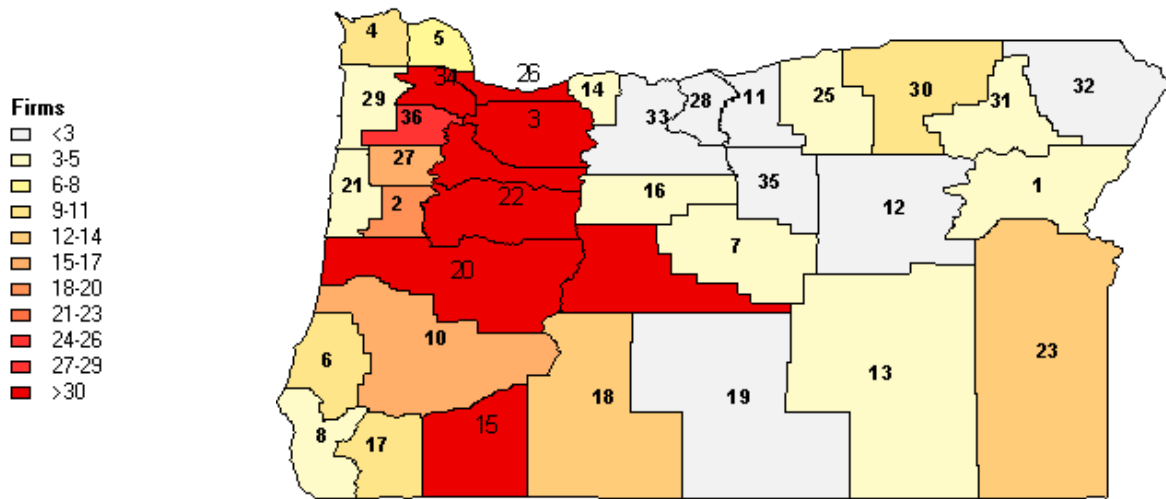
Industrial Machinery & Equipment Sector

% of Sector Estimated Sales



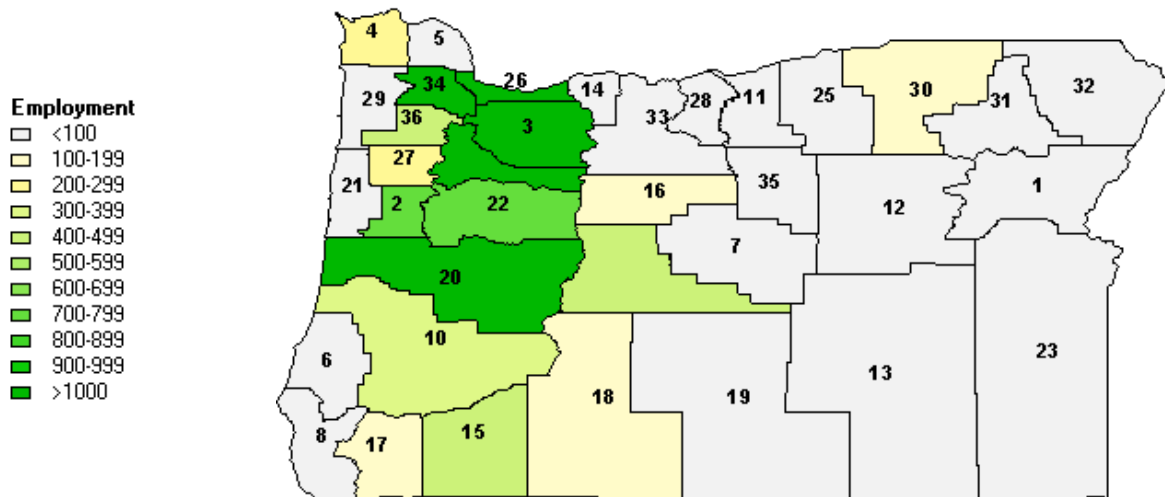
Industrial Machinery & Equipment Sector

Firm Density



Industrial Machinery & Equipment Sector

Employment Density



Industrial Machinery & Equipment Sector

Density Map Statistics

Map Key	County	# of Firms	% of State Industrial Machinery Equipment Firms	Employment	% of State Industrial Machinery Equipment Employment
1	<i>Baker</i>	5	0.54%	16	0.06%
2	<i>Benton</i>	19	2.05%	714	2.78%
3	<i>Clackamas</i>	104	11.21%	2,176	8.47%
4	<i>Clatsop</i>	11	1.19%	241	0.94%
5	<i>Columbia</i>	6	0.65%	60	0.23%
6	<i>Coos</i>	11	1.19%	63	0.25%
7	<i>Crook</i>	4	0.43%	34	0.13%
8	<i>Curry</i>	4	0.43%	32	0.12%
9	<i>Deschutes</i>	34	3.66%	400	1.56%
10	<i>Douglas</i>	17	1.83%	363	1.41%
11	<i>Gilliam</i>	–	–	–	–
12	<i>Grant</i>	–	–	–	–
13	<i>Harney</i>	3	0.32%	8	0.03%
14	<i>Hood River</i>	5	0.54%	39	0.15%
15	<i>Jackson</i>	32	3.45%	451	1.76%
16	<i>Jefferson</i>	5	0.54%	195	0.76%
17	<i>Josephine</i>	9	0.97%	140	0.54%
18	<i>Klamath</i>	13	1.40%	130	0.51%
19	<i>Lake</i>	–	–	–	–
20	<i>Lane</i>	92	9.91%	2,105	8.19%
21	<i>Lincoln</i>	5	0.54%	30	0.12%
22	<i>Linn</i>	32	3.45%	710	2.76%
23	<i>Malheur</i>	12	1.29%	55	0.21%

24	<i>Marion</i>	60	6.47%	1,354	5.27%
25	<i>Morrow</i>	3	0.32%	14	0.05%
26	<i>Multnomah</i>	231	24.89%	10,949	42.61%
27	<i>Polk</i>	15	1.62%	263	1.02%
28	<i>Sherman</i>	–	–	–	–
29	<i>Tillamook</i>	4	0.43%	14	0.05%
30	<i>Umatilla</i>	11	1.19%	123	0.48%
31	<i>Union</i>	4	0.43%	24	0.09%
32	<i>Wallowa</i>	2	0.22%	8	0.03%
33	<i>Wasco</i>	2	0.22%	8	0.03%
34	<i>Washington</i>	148	15.95%	4,549	17.70%
35	<i>Wheeler</i>	–	–	–	–
36	<i>Yamhill</i>	25	2.69%	429	1.67%

Industrial Machinery & Equipment Sector

Major Firms

Company Name	City	HQ Description	Web Address
<i>Freightliner Corp</i>	<i>Portland</i>	<i>Headquarters</i>	www.freightlinertruck.com
<i>Freightliner Corporation</i>	<i>Portland</i>	<i>Single Location</i>	www.freightlinertruck.com
<i>Gem Equipment of Oregon Inc</i>	<i>Woodburn</i>	<i>Single Location</i>	
<i>NEC America Inc</i>	<i>Hillsboro</i>	<i>Single Location</i>	
<i>Sulzer Bingham Pumps Inc</i>	<i>Portland</i>	<i>Headquarters</i>	
<i>ETEC Systems Inc</i>	<i>Hillsboro</i>	<i>Single Location</i>	
<i>Accu-Fab Systems Inc</i>	<i>Corvallis</i>	<i>Headquarters</i>	
<i>PECO Inc</i>	<i>Portland</i>	<i>Single Location</i>	
<i>Stanley Hydraulic Tools</i>	<i>Portland</i>	<i>Headquarters</i>	
<i>Ward Systems Group</i>	<i>Tigard</i>	<i>Single Location</i>	

Industry Breakdown By SIC Codes

Agricultural Machinery

- 3523 – Farm Machinery Eqpt

Construction, Mining Other Heavy Machinery

- 3531 – Construction Machinery Eqpt
- 3536 – Hoists, Cranes, Monorails
- 3532 – Mining Machinery Eqpt
- 3533 – Oil Field Machinery Eqpt

Fluid Control Equipment, Pumps, Seals Valves

- 3498 – Fabricated Pipe Pipe Fittings
- 3593 – Fluid Power Cylinders Actuators
- 3594 – Fluid Power Pumps Motors
- 3492 – Fluid Power Valves Hose Fittings
- 3491 – Industrial Valves
- 3586 – Measuring Dispensing Pumps
- 3561 – Pumps Pumping Eqpt
- 3494 – Valves Pipe Fittings, NEC

Food Service Equipment

- 3585 – Air Conditioning Heating Eqpt
- 3581 – Automatic Vending Machines
- 3556 – Food Prdts Machinery

Industrial Automation

- 3823 – Indl Instruments For Meas, Display Control
- 3829 – Measuring Controlling Devices, NEC
- 3625 – Relays Indl Controls

Machine Tools, Components Accessories

- 3562 – Ball Roller Bearings
- 3544 – Dies, Tools, Jigs, Fixtures Indl Molds
- 3543 – Industrial Patterns
- 3545 – Machine Tool Access
- 3541 – Machine Tools: Cutting
- 3542 – Machine Tools: Forming
- 3497 – Metal Foil Leaf
- 3549 – Metalworking Machinery, NEC
- 3547 – Rolling Mill Machinery Eqpt
- 3548 – Welding Apparatus

Material Handling Machinery

- 3535 – Conveyors Eqpt
- 3537 – Indl Trucks, Tractors, Trailers Stackers
- 3565 – Packaging Machinery

Miscellaneous General Special Machinery

- 3563 – Air Gas Compressors
- 3582 – Commercial Laundry, Dry Clean Pressing Mchs
- 3534 – Elevators Moving Stairways
- 3567 – Indl Process Furnaces Ovens
- 3519 – Internal Combustion Engines, NEC

- 3599 – Machinery Eqpt, Indl Commercial, NEC
- 3568 – Mechanical Power Transmission Eqpt, NEC
- 3554 – Paper Inds Machinery
- 3555 – Printing Trades Machinery Eqpt
- 3511 – Steam, Gas Hydraulic Turbines Engines
- 3552 – Textile Machinery
- 3553 – Woodworking Machinery

Pollution Treatment Controls Filtration

- 3822 – Automatic Temperature Controls
- 3564 – Blowers Fans
- 3569 – Indl Machinery Eqpt, NEC
- 3589 – Service Ind Machines, NEC
- 3559 – Special Ind Machinery, NEC

Industry Breakdown By NAICS Codes

Agricultural Machinery

- 333111 – Farm Machinery Equipment Mfg

Construction, Mining Other Heavy Machinery

- 333120 – Construction Machinery Mfg
- 333131 – Mining Machinery Equipment Mfg
- 333132 – Oil Gas Field Machinery Equipment Mfg
- 333923 – Overhead Traveling Crane, Hoist Monorail System Mfg

Fluid Control Equipment, Pumps, Seals Valves

- 332996 – Fabricated Pipe Pipe Fitting Mfg
- 333995 – Fluid Power Cylinder Actuator Mfg
- 333996 – Fluid Power Pump Motor Mfg
- 332912 – Fluid Power Valve Hose Fitting Mfg
- 332911 – Industrial Valve Mfg
- 333913 – Measuring Dispensing Pump Mfg
- 332919 – Other Metal Valve Pipe Fitting Mfg

Food Service Equipment

- 333415 – Air-Conditioning, Warm Air Heating, Comm Indl Refrig Eqpt
- 333311 – Automatic Vending Machine Mfg
- 333294 – Food Product Machinery Mfg

Industrial Automation

- 334513 – Instruments Related Prdts For Measuring, Display Control
- 334519 – Other Measuring Controlling Device Mfg
- 335314 – Relay Industrial Control Mfg
- 334514 – Totalizing Fluid Meter Counting Device Mfg
- 334518 – Watch, Clock Part Mfg

Machine Tools, Components Accessories

- 332999 – All Other Misc Fabricated Metal Prdt Mfg
- 332991 – Ball Roller Bearing Mfg
- 333515 – Cutting Tool Machine Tool Accessory Mfg
- 333511 – Industrial Mold Mfg
- 332997 – Industrial Pattern Mfg
- 333512 – Machine Tool (Metal Cutting Types) Mfg
- 333513 – Machine Tool (Metal Forming Types) Mfg
- 333518 – Other Metalworking Machinery Mfg
- 333516 – Rolling Mill Machinery Equipment Mfg
- 333514 – Special Die Tool, Die Set, Jig Fixture Mfg
- 333992 – Welding Soldering Equipment Mfg

Material Handling Machinery

- 333922 – Conveyor Conveying Equipment Mfg
- 333924 – Industrial Truck, Tractor, Trailer Stacker Machinery Mfg
- 333993 – Packaging Machinery Mfg

Miscellaneous General Special Machinery

- 333912 – Air Gas Compressor Mfg
- 333312 – Commercial Laundry, Drycleaning Pressing Machine Mfg
- 333921 – Elevator Moving Stairway Mfg

- 333412 – Industrial Commercial Fan Blower Mfg
- 333994 – Industrial Process Furnace Oven Mfg
- 332710 – Machine Shops
- 333613 – Mechanical Power Transmission Equipment Mfg
- 333618 – Other Engine Equipment Mfg
- 333291 – Paper Industry Machinery Mfg
- 333293 – Printing Machinery Equipment Mfg
- 333911 – Pump Pumping Equipment Mfg
- 333220 – Rubber Plastics Industry Machinery Mfg
- 333210 – Sawmill Woodworking Machinery Mfg
- 333295 – Semiconductor Machinery Mfg
- 333292 – Textile Machinery Mfg
- 333611 – Turbine Turbine Generator Set Unit Mfg

Pollution Treatment Controls Filtration

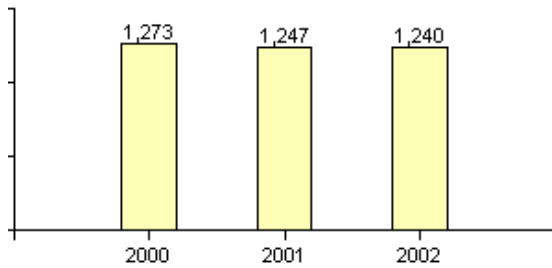
- 333411 – Air Purification Equipment Mfg
- 333999 – All Other General Purpose Machinery Mfg
- 333298 – All Other Industrial Machinery Mfg
- 334512 – Automatic Environmental Controls For Residential, Commercial
- 333319 – Other Commercial Service Industry Machinery Mfg

Materials and Construction Sector

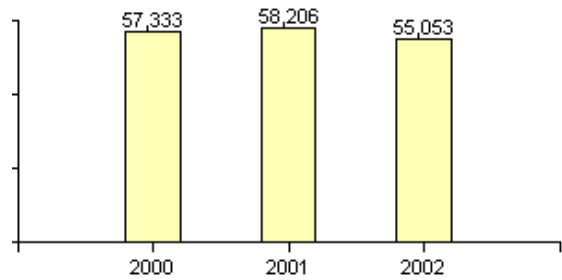
3 Year Trends

Year	Number of Firms	Number of Employees
2000	1273	57333
2001	1247	58206
2002	1240	55053

of Firms



of Employees

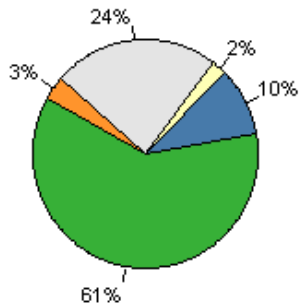


Materials and Construction Sector

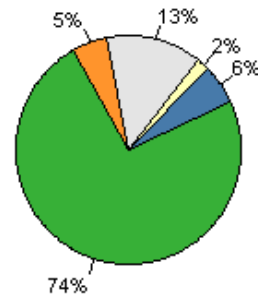
Sector Breakdown by Industry

Industry	# of Firms	Employment	Est. Sales
<i>Aggregates, Concrete Cement</i>	119	3,144	418.0M
<i>Lumber, Wood Production Timber Operations</i>	754	40,545	3,956.7M
<i>Manufactured Buildings</i>	43	2,841	315.2M
<i>Miscellaneous Building Materials</i>	295	7,431	789.0M
<i>Plumbing and HVAC Equipment</i>	29	1,092	118.5M

% of Sector Firms

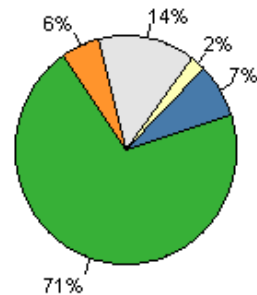


% of Sector Employment



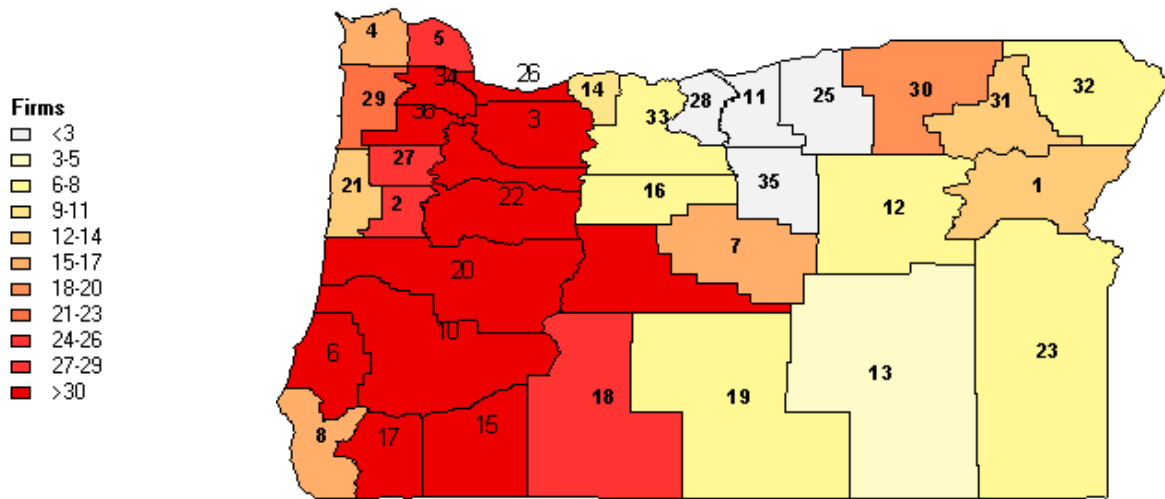
% of Sector Estimated Sales

- Aggregates, Concrete & Cement
- Lumber, Wood Production & Timber Operations
- Manufactured Buildings
- Miscellaneous Building Materials
- Plumbing and HVAC Equipment

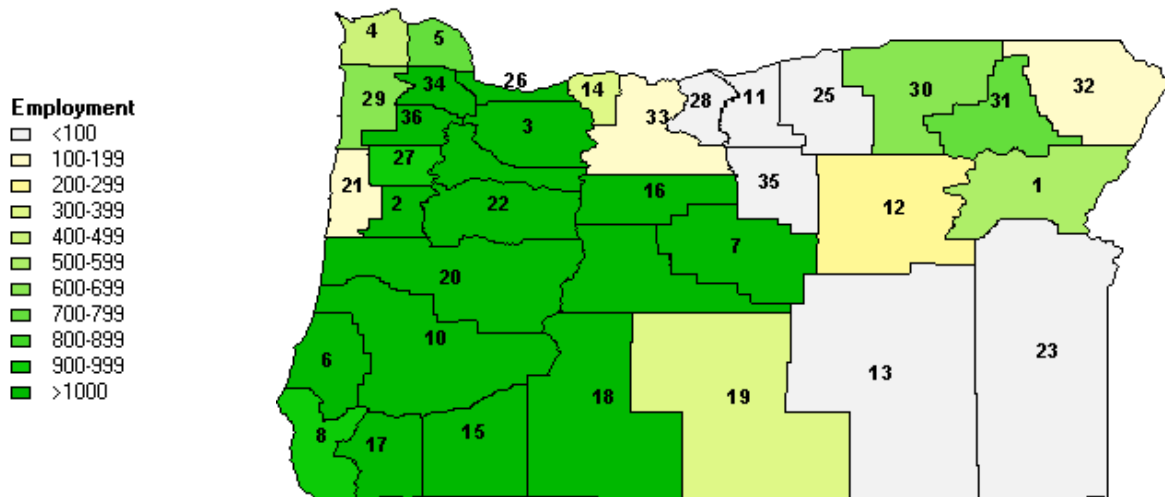


Materials and Construction Sector

Firm Density



Employment Density



Materials and Construction Sector

Density Map Statistics

Map Key	County	# of Firms	% of State Materials and Construction Firms	Employment	% of State Materials and Construction Employment
1	<i>Baker</i>	13	1.05%	539	0.98%
2	<i>Benton</i>	28	2.26%	1,133	2.06%
3	<i>Clackamas</i>	91	7.34%	2,419	4.39%
4	<i>Clatsop</i>	15	1.21%	435	0.79%
5	<i>Columbia</i>	24	1.94%	727	1.32%
6	<i>Coos</i>	44	3.55%	1,282	2.33%
7	<i>Crook</i>	16	1.29%	1,173	2.13%
8	<i>Curry</i>	17	1.37%	998	1.81%
9	<i>Deschutes</i>	51	4.11%	2,193	3.98%
10	<i>Douglas</i>	62	5.00%	6,812	12.37%
11	<i>Gilliam</i>	–	–	–	–
12	<i>Grant</i>	8	0.65%	298	0.54%
13	<i>Harney</i>	4	0.32%	94	0.17%
14	<i>Hood River</i>	10	0.81%	353	0.64%
15	<i>Jackson</i>	73	5.89%	3,917	7.11%
16	<i>Jefferson</i>	7	0.56%	1,411	2.56%
17	<i>Josephine</i>	30	2.42%	1,483	2.69%
18	<i>Klamath</i>	24	1.94%	2,262	4.11%
19	<i>Lake</i>	8	0.65%	334	0.61%
20	<i>Lane</i>	157	12.66%	7,346	13.34%
21	<i>Lincoln</i>	13	1.05%	182	0.33%
22	<i>Linn</i>	71	5.73%	3,277	5.95%
23	<i>Malheur</i>	6	0.48%	53	0.10%

24	<i>Marion</i>	88	7.10%	3,345	6.08%
25	<i>Morrow</i>	1	0.08%	15	0.03%
26	<i>Multnomah</i>	156	12.58%	5,617	10.20%
27	<i>Polk</i>	27	2.18%	906	1.65%
28	<i>Sherman</i>	–	–	–	–
29	<i>Tillamook</i>	23	1.85%	635	1.15%
30	<i>Umatilla</i>	18	1.45%	636	1.16%
31	<i>Union</i>	13	1.05%	736	1.34%
32	<i>Wallowa</i>	7	0.56%	133	0.24%
33	<i>Wasco</i>	8	0.65%	175	0.32%
34	<i>Washington</i>	91	7.34%	3,084	5.60%
35	<i>Wheeler</i>	–	–	–	–
36	<i>Yamhill</i>	36	2.90%	1,050	1.91%

Materials and Construction Sector

Major Firms

Company Name	City	HQ Description	Web Address
<i>Roseburg Forest Products Co</i>	<i>Roseburg</i>	<i>Headquarters</i>	
<i>Bright Wood Corp</i>	<i>Madras</i>	<i>Headquarters</i>	www.brightwood.com
<i>Roseburg Forest Products Co</i>	<i>Roseburg</i>	<i>Single Location</i>	
<i>Collins Products LLC</i>	<i>Klamath Falls</i>	<i>Single Location</i>	www.collinswood.com
<i>Columbia Helicopters Inc</i>	<i>Portland</i>	<i>Single Location</i>	
<i>Timber Prods Co</i>	<i>Medford</i>	<i>Headquarters</i>	
<i>Boise Cascade</i>	<i>Medford</i>	<i>Single Location</i>	
<i>Columbia Plywood</i>	<i>Klamath Falls</i>	<i>Single Location</i>	
<i>Golden West Homes</i>	<i>Albany</i>	<i>Single Location</i>	
<i>Cascade Wood Products Inc</i>	<i>White City</i>	<i>Single Location</i>	

Industry Breakdown By SIC Codes

Aggregates, Concrete Cement

- 3241 – Cement, Hydraulic
- 3271 – Concrete Block Brick
- 3272 – Concrete Prdts
- 3274 – Lime
- 3273 – Ready–Mixed Concrete

Lumber, Wood Production Timber Operations

- 2426 – Hardwood Dimension Flooring Mills
- 2435 – Hardwood Veneer Plywood
- 2411 – Logging
- 2431 – Millwork
- 2493 – Reconstituted Wood Prdts
- 2421 – Saw Planing Mills
- 2436 – Softwood Veneer Plywood
- 2429 – Special Prdt Sawmills, NEC
- 2439 – Structural Wood Members, NEC
- 2499 – Wood Prdts, NEC
- 2491 – Wood Preserving

Manufactured Buildings

- 2451 – Mobile Homes
- 3448 – Prefabricated Metal Buildings Cmpnts
- 2452 – Prefabricated Wood Buildings Cmpnts

Miscellaneous Building Materials

- 3446 – Architectural Ornamental Metal Work
- 2952 – Asphalt Felts Coatings
- 3251 – Brick Structural Clay Tile
- 3253 – Ceramic Tile
- 3281 – Cut Stone Prdts
- 3441 – Fabricated Structural Steel
- 3275 – Gypsum Prdts
- 3996 – Linoleum Hard Surface Floor Coverings, NEC
- 3442 – Metal Doors, Sash, Frames, Molding Trim
- 2434 – Wood Kitchen Cabinets

Plumbing and HVAC Equipment

- 3585 – Air Conditioning Heating Eqpt
- 3261 – China Plumbing Fixtures Fittings
- 3431 – Enameled Iron Metal Sanitary Ware
- 3433 – Heating Eqpt
- 3088 – Plastic Plumbing Fixtures
- 3432 – Plumbing Fixture Fittings Trim, Brass

Industry Breakdown By NAICS Codes

Aggregates, Concrete Cement

- 327999 – All Other Miscellaneous Nonmetallic Mineral Prdt Mfg
- 327310 – Cement Mfg
- 327331 – Concrete Block Brick Mfg
- 327332 – Concrete Pipe Mfg
- 327410 – Lime Mfg
- 327390 – Other Concrete Product Mfg
- 327320 – Ready-Mix Concrete Mfg

Lumber, Wood Production Timber Operations

- 321999 – All Other Miscellaneous Wood Product Mfg
- 321912 – Cut Stock, Resawing Lumber Planing
- 321211 – Hardwood Veneer Plywood Mfg
- 113310 – Logging
- 321918 – Other Millwork (Including Flooring)
- 321219 – Reconstituted Wood Product Mfg
- 321113 – Sawmills
- 321212 – Softwood Veneer Plywood Mfg
- 321214 – Truss Mfg
- 321114 – Wood Preservation
- 321911 – Wood Window Door Mfg

Manufactured Buildings

- 321991 – Manufactured Home (Mobile Home) Mfg
- 332311 – Prefabricated Metal Building Component Mfg
- 321992 – Prefabricated Wood Building Mfg

Miscellaneous Building Materials

- 324122 – Asphalt Shingle Coating Materials Mfg
- 327121 – Brick Structural Clay Tile Mfg
- 327122 – Ceramic Wall Floor Tile Mfg
- 327991 – Cut Stone Stone Product Mfg
- 332312 – Fabricated Structural Metal Mfg
- 327420 – Gypsum Gypsum Product Mfg
- 332321 – Metal Window Door Mfg
- 332323 – Ornamental Architectural Metal Work Mfg
- 326192 – Resilient Floor Covering Mfg
- 337110 – Wood Kitchen Cabinet Countertop Mfg

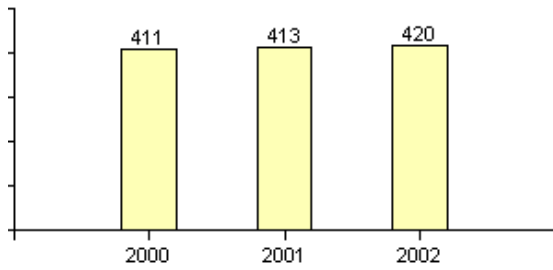
Plumbing and HVAC Equipment

- 333415 – Air-Conditioning, Warm Air Heating, Comm Indl Refrig Eqpt
- 332998 – Enameled Iron Metal Sanitary Ware Mfg
- 333414 – Heating Eqpt (Except Electric Warm Air Furnaces) Mfg
- 336391 – Motor Vehicle Air-Conditioning Mfg
- 326191 – Plastics Plumbing Fixture Mfg
- 332913 – Plumbing Fixture Fitting Trim Mfg
- 327111 – Vitreous China Plumbing Fixture, China, Earthenware Fittings

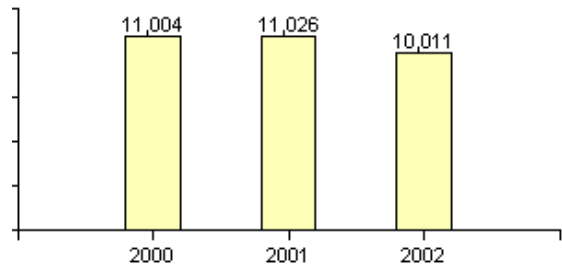
3 Year Trends

Year	Number of Firms	Number of Employees
2000	411	11004
2001	413	11026
2002	420	10011

of Firms



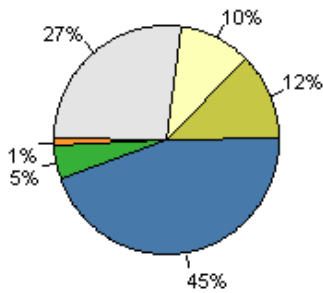
of Employees



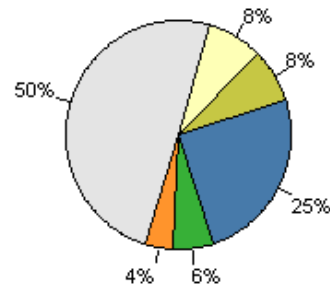
Sector Breakdown by Industry

Industry	# of Firms	Employment	Est. Sales
Book Publishing	51	764	172.0M
Miscellaneous Publishing	188	2,490	500.5M
Movie, Television Music Production Services Products	20	576	113.5M
Music Production Publishing	5	400	54.2M
Newspaper Publishing	113	4,978	340.7M
Periodical Publishing	43	803	154.2M

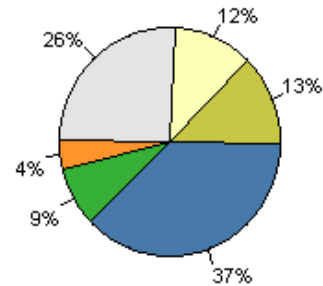
% of Sector Firms



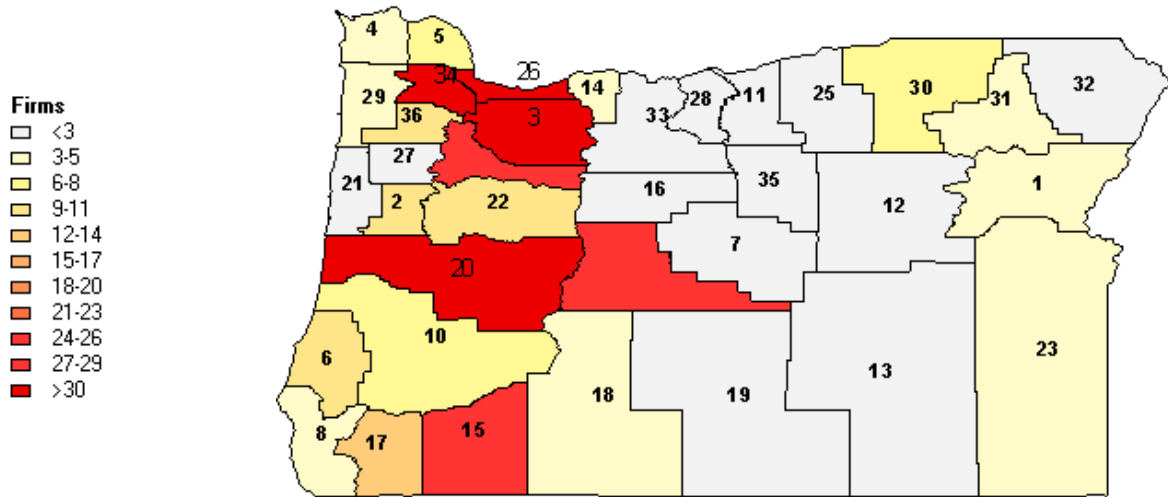
% of Sector Employment



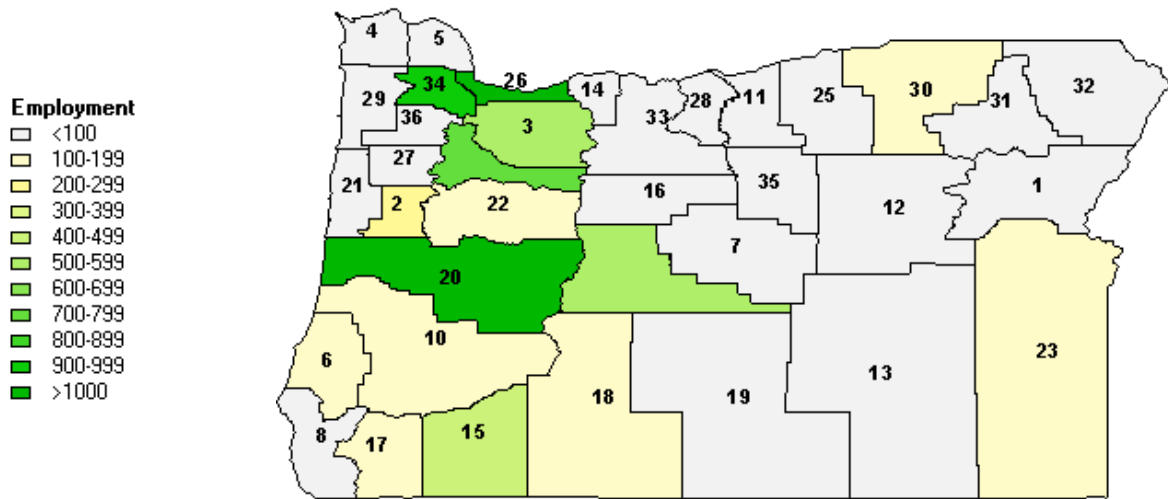
% of Sector Estimated Sales



Firm Density



Employment Density



Density Map Statistics

Map Key	County	# of Firms	% of State Media Firms	Employment	% of State Media Employment
1	<i>Baker</i>	3	0.71%	32	0.32%
2	<i>Benton</i>	9	2.14%	247	2.47%
3	<i>Clackamas</i>	39	9.29%	578	5.77%
4	<i>Clatsop</i>	3	0.71%	63	0.63%
5	<i>Columbia</i>	6	1.43%	46	0.46%
6	<i>Coos</i>	9	2.14%	153	1.53%
7	<i>Crook</i>	1	0.24%	20	0.20%
8	<i>Curry</i>	3	0.71%	34	0.34%
9	<i>Deschutes</i>	25	5.95%	537	5.36%
10	<i>Douglas</i>	7	1.67%	141	1.41%
11	<i>Gilliam</i>	1	0.24%	2	0.02%
12	<i>Grant</i>	1	0.24%	8	0.08%
13	<i>Harney</i>	1	0.24%	8	0.08%
14	<i>Hood River</i>	3	0.71%	30	0.30%
15	<i>Jackson</i>	24	5.71%	485	4.84%
16	<i>Jefferson</i>	2	0.48%	13	0.13%
17	<i>Josephine</i>	13	3.10%	170	1.70%
18	<i>Klamath</i>	3	0.71%	186	1.86%
19	<i>Lake</i>	2	0.48%	42	0.42%
20	<i>Lane</i>	59	14.05%	1,831	18.29%
21	<i>Lincoln</i>	2	0.48%	64	0.64%
22	<i>Linn</i>	9	2.14%	191	1.91%
23	<i>Malheur</i>	3	0.71%	107	1.07%
24	<i>Marion</i>	26	6.19%	756	7.55%

25	<i>Morrow</i>	1	0.24%	3	0.03%
26	<i>Multnomah</i>	97	23.10%	2,956	29.53%
27	<i>Polk</i>	1	0.24%	24	0.24%
28	<i>Sherman</i>	–	–	–	–
29	<i>Tillamook</i>	3	0.71%	33	0.33%
30	<i>Umatilla</i>	7	1.67%	132	1.32%
31	<i>Union</i>	4	0.95%	72	0.72%
32	<i>Wallowa</i>	2	0.48%	13	0.13%
33	<i>Wasco</i>	2	0.48%	40	0.40%
34	<i>Washington</i>	40	9.52%	919	9.18%
35	<i>Wheeler</i>	–	–	–	–
36	<i>Yamhill</i>	9	2.14%	75	0.75%

Major Firms

Company Name	City	HQ Description	Web Address
<i>Oregonian Publishing Company</i>	<i>Portland</i>	<i>Headquarters</i>	
<i>Register Guard</i>	<i>Eugene</i>	<i>Single Location</i>	
<i>Statesman Journal</i>	<i>Salem</i>	<i>Single Location</i>	
<i>Sony Disc Manufacturing</i>	<i>Springfield</i>	<i>Single Location</i>	
<i>U S WEST Direct</i>	<i>Portland</i>	<i>Single Location</i>	
<i>Western Communications Inc</i>	<i>Bend</i>	<i>Headquarters</i>	
<i>Medford Mail Tribune Co</i>	<i>Medford</i>	<i>Headquarters</i>	
<i>King Design International</i>	<i>Eugene</i>	<i>Single Location</i>	
<i>Multnomah Publishers Inc</i>	<i>Sisters</i>	<i>Single Location</i>	
<i>Oregon Catholic Press</i>	<i>Portland</i>	<i>Single Location</i>	

Industry Breakdown By SIC Codes

Book Publishing

- 2731 – Books: Publishing Printing

Miscellaneous Publishing

- 2771 – Greeting Card Publishing
- 2741 – Misc Publishing
- 3993 – Signs Advertising Displays

Movie, Television Music Production Services Products

- 3663 – Radio and T V Communications, Sysys Eqpt, Broadcast/Studio
- 3695 – Recording Media

Music Production Publishing

- 3652 – Phonograph Records Magnetic Tape

Newspaper Publishing

- 2711 – Newspapers: Publishing Printing

Periodical Publishing

- 2721 – Periodicals: Publishing Printing

Industry Breakdown By NAICS Codes

Book Publishing

- 511130 – Book Publishers
- 512230 – Music Publishers

Miscellaneous Publishing

- 511199 – All Other Publishers
- 511140 – Database Directory Publishers
- 339950 – Sign Mfg

Movie, Television Music Production Services Products

- 334613 – Magnetic Optical Recording Media Mfg
- 334220 – Radio and Television Broadcasting Wireless Comm Eqpt Mfg

Music Production Publishing

- 334612 – Prerecorded Compact Disc, Tape Record Reproduction

Newspaper Publishing

- 511110 – Newspaper Publishers

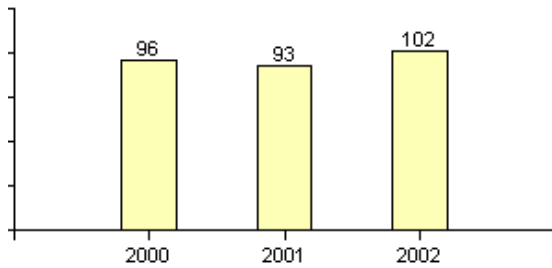
Periodical Publishing

- 511120 – Periodical Publishers

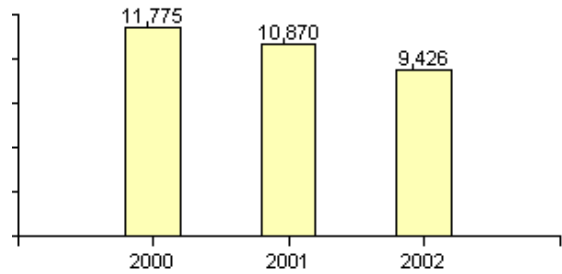
3 Year Trends

Year	Number of Firms	Number of Employees
2000	96	11775
2001	93	10870
2002	102	9426

of Firms



of Employees

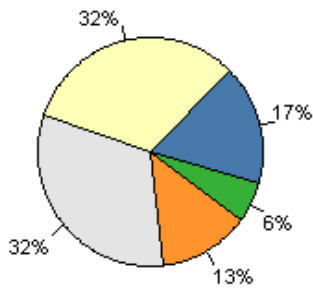


Metals and Mining Sector

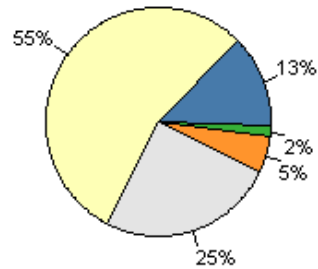
Sector Breakdown by Industry

Industry	# of Firms	Employment	Est. Sales
<i>Aluminum</i>	17	1,230	291.5M
<i>Copper</i>	6	142	13.5M
<i>Diversified Mining Metals</i>	13	492	112.5M
<i>Miscellaneous Mining Metals Processing</i>	33	2,388	449.5M
<i>Steel Production</i>	33	5,174	720.7M

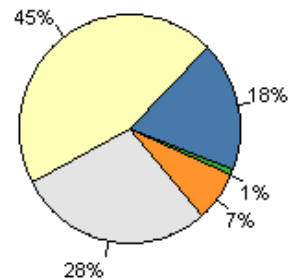
% of Sector Firms



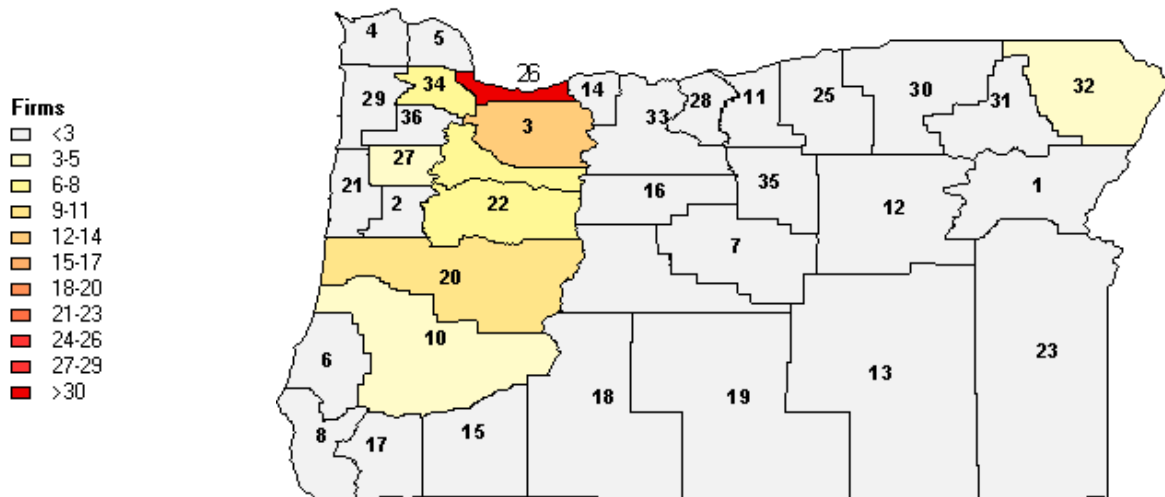
% of Sector Employment



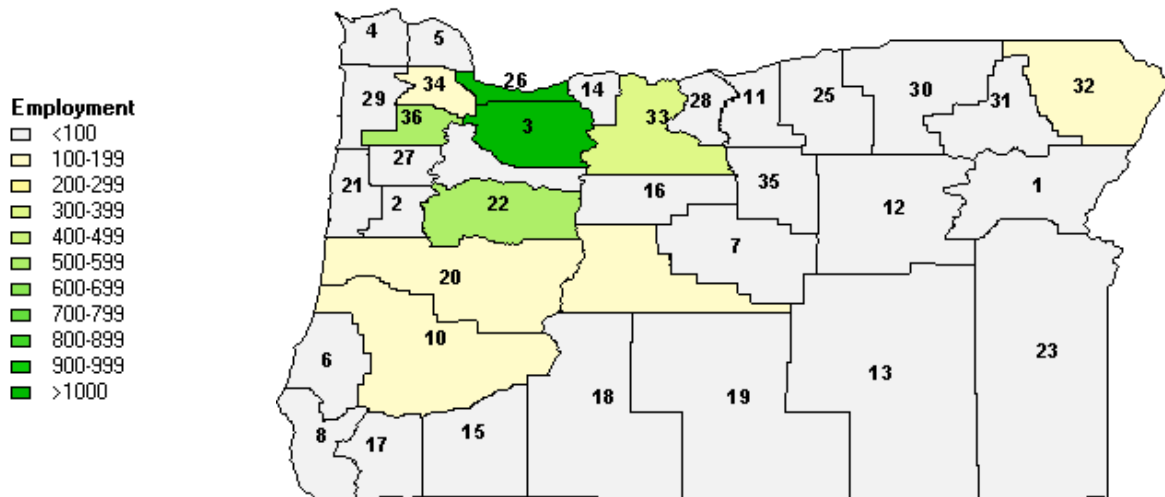
% of Sector Estimated Sales



Firm Density



Employment Density



Density Map Statistics

Map Key	County	# of Firms	% of State Metals and Mining Firms	Employment	% of State Metals and Mining Employment
1	<i>Baker</i>	–	–	–	–
2	<i>Benton</i>	–	–	–	–
3	<i>Clackamas</i>	14	13.73%	1,925	20.42%
4	<i>Clatsop</i>	–	–	–	–
5	<i>Columbia</i>	–	–	–	–
6	<i>Coos</i>	1	0.98%	1	0.01%
7	<i>Crook</i>	–	–	–	–
8	<i>Curry</i>	–	–	–	–
9	<i>Deschutes</i>	2	1.96%	177	1.88%
10	<i>Douglas</i>	3	2.94%	142	1.51%
11	<i>Gilliam</i>	–	–	–	–
12	<i>Grant</i>	–	–	–	–
13	<i>Harney</i>	–	–	–	–
14	<i>Hood River</i>	1	0.98%	12	0.13%
15	<i>Jackson</i>	1	0.98%	3	0.03%
16	<i>Jefferson</i>	–	–	–	–
17	<i>Josephine</i>	2	1.96%	34	0.36%
18	<i>Klamath</i>	–	–	–	–
19	<i>Lake</i>	–	–	–	–
20	<i>Lane</i>	10	9.80%	144	1.53%
21	<i>Lincoln</i>	1	0.98%	10	0.11%
22	<i>Linn</i>	7	6.86%	565	5.99%
23	<i>Malheur</i>	–	–	–	–
24	<i>Marion</i>	7	6.86%	92	0.98%

25	<i>Morrow</i>	-	-	-	-
26	<i>Multnomah</i>	39	38.24%	5,237	55.56%
27	<i>Polk</i>	3	2.94%	53	0.56%
28	<i>Sherman</i>	-	-	-	-
29	<i>Tillamook</i>	-	-	-	-
30	<i>Umatilla</i>	-	-	-	-
31	<i>Union</i>	-	-	-	-
32	<i>Wallowa</i>	3	2.94%	104	1.10%
33	<i>Wasco</i>	1	0.98%	300	3.18%
34	<i>Washington</i>	6	5.88%	110	1.17%
35	<i>Wheeler</i>	-	-	-	-
36	<i>Yamhill</i>	1	0.98%	517	5.48%

Major Firms

Company Name	City	HQ Description	Web Address
<i>Precision Interconnect</i>	<i>Portland</i>	<i>Single Location</i>	
<i>Precision Castparts Corp</i>	<i>Portland</i>	<i>Headquarters</i>	
<i>ESCO Corporation</i>	<i>Portland</i>	<i>Headquarters</i>	
<i>Oregon Steel Mills Inc</i>	<i>Portland</i>	<i>Single Location</i>	
<i>Cascade Steel Rolling Mills</i>	<i>Mcminnville</i>	<i>Single Location</i>	
<i>Columbia Steel Casting Co Inc</i>	<i>Portland</i>	<i>Single Location</i>	www.columbiasteel.com
<i>Anodizing Inc</i>	<i>Portland</i>	<i>Headquarters</i>	
<i>Northwest Aluminum Co</i>	<i>The Dalles</i>	<i>Single Location</i>	
<i>TIMET Castings Corp</i>	<i>Albany</i>	<i>Headquarters</i>	
<i>Consolidated Metco</i>	<i>Portland</i>	<i>Headquarters</i>	

Industry Breakdown By SIC Codes

Aluminum

- 3363 – Aluminum Die Castings
- 3354 – Aluminum Extruded Prdts
- 3365 – Aluminum Foundries
- 3355 – Aluminum Rolling Drawing, NEC
- 3353 – Aluminum Sheet, Plate Foil
- 3334 – Primary Production Of Aluminum

Copper

- 3366 – Copper Foundries
- 3351 – Rolling, Drawing Extruding Of Copper

Diversified Mining Metals

- 3339 – Primary Nonferrous Metals, NEC
- 3331 – Primary Smelting Refining Of Copper
- 3341 – Secondary Smelting Refining Of Nonferrous Metals

Miscellaneous Mining Metals Processing

- 3398 – Metal Heat Treating
- 3364 – Nonferrous Die Castings, Exc Aluminum
- 3369 – Nonferrous Foundries: Castings, NEC
- 3357 – Nonferrous Wire Drawing
- 3399 – Primary Metal Prdts, NEC
- 3356 – Rolling, Drawing–Extruding Of Nonferrous Metals

Steel Production

- 3312 – Blast Furnaces, Coke Ovens, Steel Rolling Mills
- 3316 – Cold Rolled Steel Sheet, Strip Bars
- 3313 – Electrometallurgical Prdts
- 3321 – Gray Iron Foundries
- 3322 – Malleable Iron Foundries
- 3325 – Steel Foundries, NEC
- 3324 – Steel Investment Foundries
- 3317 – Steel Pipe Tubes
- 3315 – Steel Wire Drawing Nails Spikes

Industry Breakdown By NAICS Codes

Aluminum

- 331521 – Aluminum Die–Castings
- 331316 – Aluminum Extruded Product Mfg
- 331524 – Aluminum Foundries
- 331315 – Aluminum Sheet, Plate Foil Mfg
- 331319 – Other Aluminum Rolling Drawing
- 331312 – Primary Aluminum Production

Copper

- 331525 – Copper Foundries
- 331421 – Copper Rolling, Drawing Extruding

Diversified Metals Mining

- 331411 – Primary Smelting Refining Of Copper
- 331419 – Primary Smelting/Refining Nonferrous Metal Exc Copper Alum
- 331314 – Secondary Smelting Alloying Of Aluminum
- 331423 – Secondary Smelting, Refining Alloying Of Copper
- 331492 – Secondary Smelting, Refining Alloying Of Nonferrous Metal

Miscellaneous Mining Metals Processing

- 332811 – Metal Heat Treating
- 331522 – Nonferrous (Except Aluminum) Die–Castings
- 331491 – Nonferrous Metal Exc Copper Alum Rolling, Drawing, Extrude
- 335929 – Other Communication Energy Wire Mfg
- 331528 – Other Nonferrous Foundries

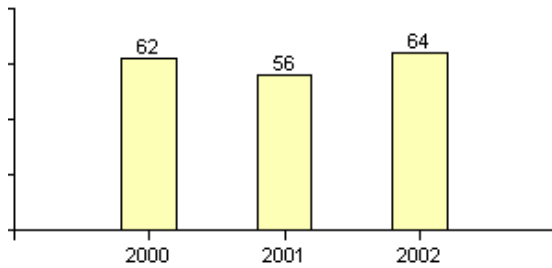
Steel Production

- 331221 – Cold–Rolled Steel Shape Mfg
- 331112 – Electrometallurgical Ferroalloy Product Mfg
- 331111 – Iron Steel Mills
- 331210 – Iron Steel Pipes Tubes Mfg From Purchased Steel
- 331511 – Iron Foundries
- 331513 – Steel Foundries (Except Investment)
- 331512 – Steel Investment Foundries
- 331222 – Steel Wire Drawing

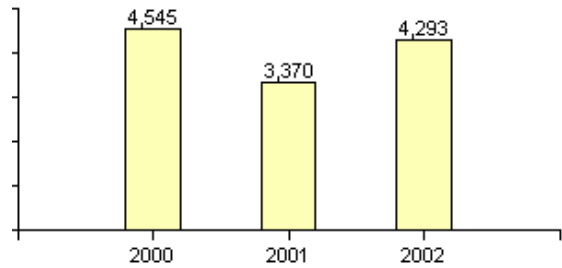
3 Year Trends

Year	Number of Firms	Number of Employees
2000	62	4545
2001	56	3370
2002	64	4293

of Firms



of Employees

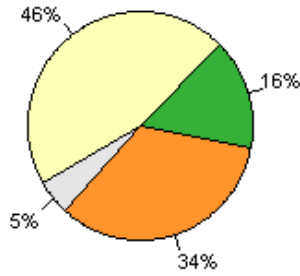


Telecommunications Sector

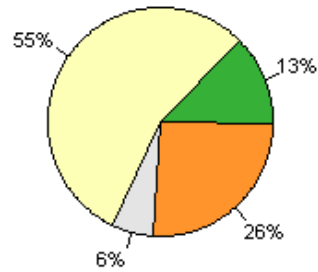
Sector Breakdown by Industry

Industry	# of Firms	Employment	Est. Sales
<i>Cable TV Satellite Systems</i>	22	989	120.2M
<i>Communications Processing Equipment</i>	47	2,010	349.7M
<i>Switching Transmission Equipment</i>	7	451	117.5M
<i>Wireless/Satellite/Microwave Communication Equipment</i>	64	4,293	644.2M

% of Sector Firms

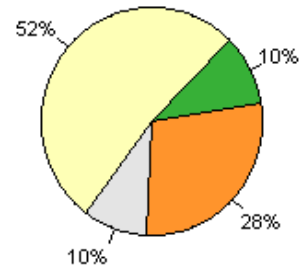


% of Sector Employment

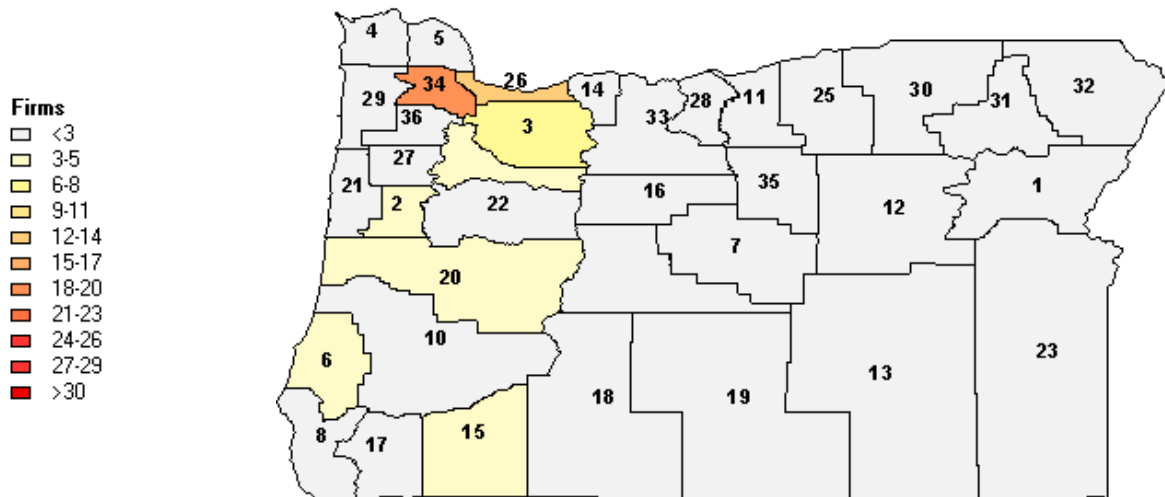


% of Sector Estimated Sales

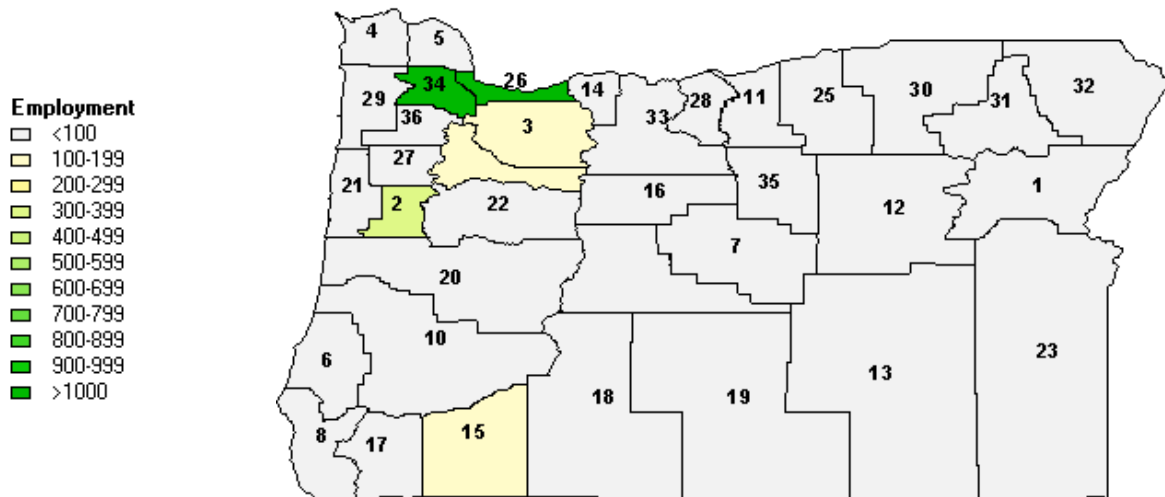
■ Cable TV & Satellite Systems
■ Communications Processing Equipment
■ Switching & Transmission Equipment
■ Wireless/Satellite/Microwave Communication Equipment



Firm Density



Employment Density



Telecommunications Sector

Density Map Statistics

Map Key	County	# of Firms	% of State Telecommunications Firms	Employment	% of State Telecommunications Employment
1	<i>Baker</i>	1	1.56%	0	0.00%
2	<i>Benton</i>	3	4.69%	308	7.17%
3	<i>Clackamas</i>	7	10.94%	156	3.63%
4	<i>Clatsop</i>	–	–	–	–
5	<i>Columbia</i>	1	1.56%	2	0.05%
6	<i>Coos</i>	3	4.69%	19	0.44%
7	<i>Crook</i>	–	–	–	–
8	<i>Curry</i>	–	–	–	–
9	<i>Deschutes</i>	2	3.12%	16	0.37%
10	<i>Douglas</i>	–	–	–	–
11	<i>Gilliam</i>	–	–	–	–
12	<i>Grant</i>	–	–	–	–
13	<i>Harney</i>	–	–	–	–
14	<i>Hood River</i>	1	1.56%	36	0.84%
15	<i>Jackson</i>	4	6.25%	140	3.26%
16	<i>Jefferson</i>	–	–	–	–
17	<i>Josephine</i>	–	–	–	–
18	<i>Klamath</i>	1	1.56%	58	1.35%
19	<i>Lake</i>	–	–	–	–
20	<i>Lane</i>	3	4.69%	32	0.75%
21	<i>Lincoln</i>	1	1.56%	3	0.07%
22	<i>Linn</i>	1	1.56%	35	0.82%
23	<i>Malheur</i>	–	–	–	–
24	<i>Marion</i>	3	4.69%	154	3.59%

25	<i>Morrow</i>	-	-	-	-
26	<i>Multnomah</i>	12	18.75%	1,936	45.10%
27	<i>Polk</i>	1	1.56%	3	0.07%
28	<i>Sherman</i>	-	-	-	-
29	<i>Tillamook</i>	-	-	-	-
30	<i>Umatilla</i>	1	1.56%	2	0.05%
31	<i>Union</i>	-	-	-	-
32	<i>Wallowa</i>	-	-	-	-
33	<i>Wasco</i>	-	-	-	-
34	<i>Washington</i>	19	29.69%	1,393	32.45%
35	<i>Wheeler</i>	-	-	-	-
36	<i>Yamhill</i>	-	-	-	-

Major Firms

Company Name	City	HQ Description	Web Address
<i>Boeing Co</i>	<i>Portland</i>	<i>Branch</i>	www.boeing.com
<i>Sentrol</i>	<i>Tualatin</i>	<i>Headquarters</i>	www.sentrol.com
<i>FLIR Systems Inc</i>	<i>Portland</i>	<i>Single Location</i>	www.flir.com
<i>Celwave RF</i>	<i>Corvallis</i>	<i>Single Location</i>	
<i>Kentrox Industries Inc</i>	<i>Portland</i>	<i>Single Location</i>	
<i>Oresis Communications Inc</i>	<i>Beaverton</i>	<i>Single Location</i>	www.oresis.com
<i>Il Morrow Inc</i>	<i>Salem</i>	<i>Single Location</i>	
<i>Kathrein Inc</i>	<i>Medford</i>	<i>Single Location</i>	www.kathrein-scala.com
<i>Kalatel Inc</i>	<i>Corvallis</i>	<i>Single Location</i>	www.kalatel.com
<i>BIAMP Systems Inc</i>	<i>Beaverton</i>	<i>Single Location</i>	

Industry Breakdown By SIC Codes

Cable TV Satellite Systems

- 3669 – Communications Eqpt, NEC

Communications Processing Equipment

- 3669 – Communications Eqpt, NEC
- 3663 – Radio and T V Communications, Sysys Eqpt, Broadcast/Studio
- 3661 – Telephone Telegraph Apparatus

Switching Transmission Equipment

- 3661 – Telephone Telegraph Apparatus

Wireless/Satellite/Microwave Communication Equipment

- 3669 – Communications Eqpt, NEC
- 3663 – Radio and T V Communications, Sysys Eqpt, Broadcast/Studio
- 3812 – Search, Detection, Navigation Guidance Sysys Instrs
- 3661 – Telephone Telegraph Apparatus

Industry Breakdown By NAICS Codes

Cable TV Satellite Systems

- 334612 – Prerecorded Compact Disc, Tape Record Reproduction

Communications Processing Equipment

- 334290 – Other Communications Equipment Mfg
- 334418 – Printed Circuit/Electronics Assembly Mfg
- 334220 – Radio and Television Broadcasting Wireless Comm Eqpt Mfg
- 334210 – Telephone Apparatus Mfg

Switching Transmission Equipment

- 334210 – Telephone Apparatus Mfg

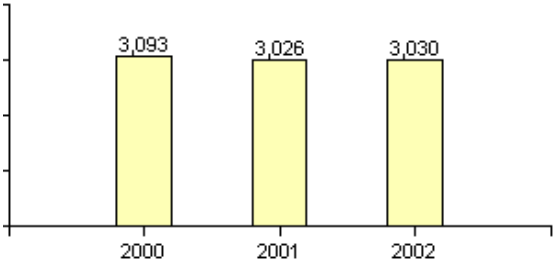
Wireless/Satellite/Microwave Communication Equipment

- 334290 – Other Communications Equipment Mfg
- 334220 – Radio and Television Broadcasting Wireless Comm Eqpt Mfg
- 334511 – Search, Detection, Navigation, Guidance Sys Instrs Mfg
- 334210 – Telephone Apparatus Mfg

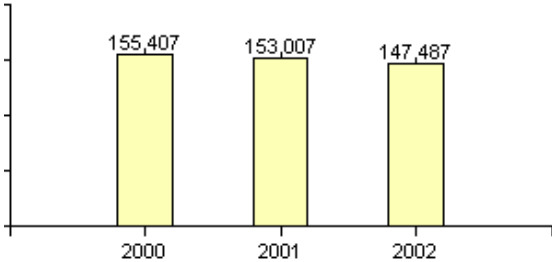
Portland–Vancouver Three year trends

Year	Number of Firms	Number of Employees
2000	3093	155407
2001	3026	153007
2002	3030	147487

of Firms



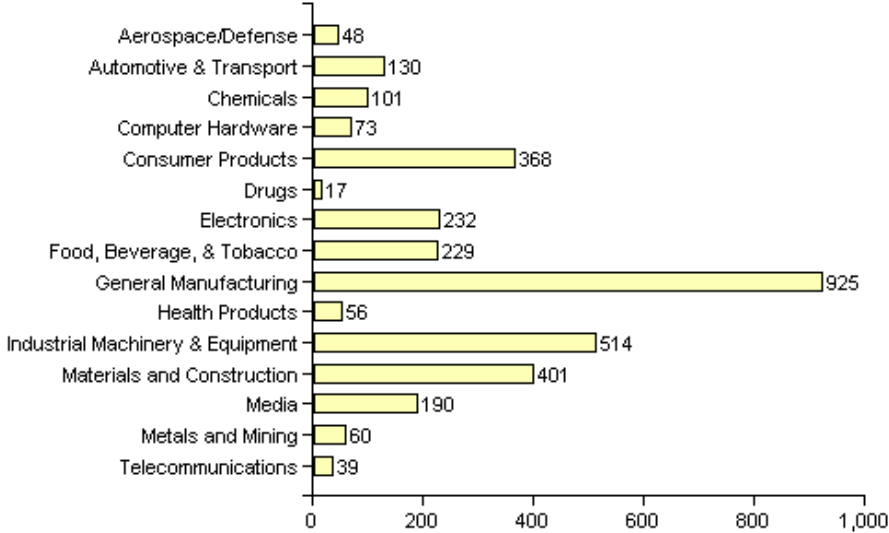
of Employees



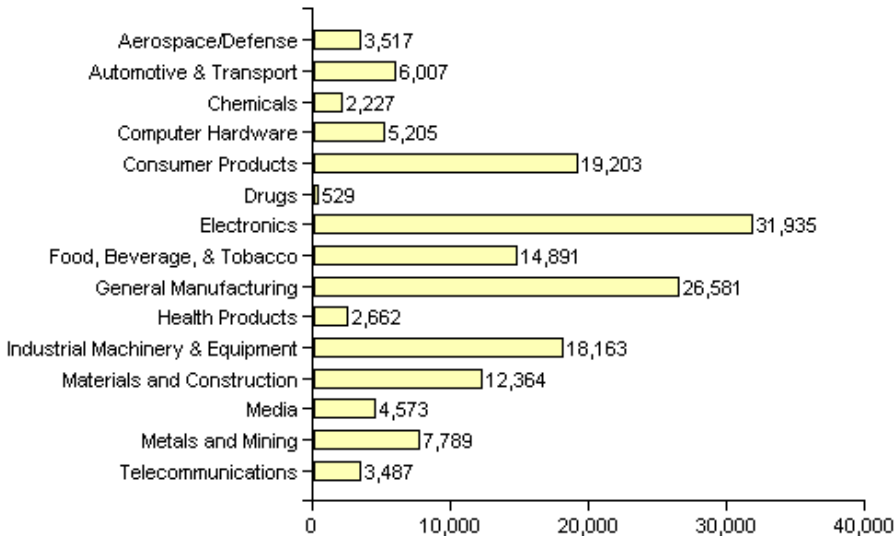
Portland–Vancouver Summary Breakdown by Sector

Industry	# of Metro Area Firms	% of OR Firms in Sector	Metro Area Employment	% of OR Employment in Sector	Metro Area Sales	% of OR Sales in Sector
<i>Aerospace/Defense</i>	48	55.81%	3,517	63.46%	426.5M	44.75%
<i>Automotive Transport</i>	130	46.43%	6,007	48.39%	916.0M	43.51%
<i>Chemicals</i>	101	54.30%	2,227	20.90%	905.2M	13.89%
<i>Computer Hardware</i>	73	65.18%	5,205	74.94%	892.7M	65.39%
<i>Consumer Products</i>	368	53.72%	19,203	77.74%	1,547.5M	66.08%
<i>Drugs</i>	17	58.62%	529	52.27%	127.5M	48.71%
<i>Electronics</i>	232	60.73%	31,935	85.08%	7,792.5M	90.90%
<i>Food, Beverage, Tobacco</i>	229	40.53%	14,891	38.41%	3,097.7M	25.56%
<i>General Manufacturing</i>	925	57.85%	26,581	65.65%	3,215.0M	57.80%
<i>Health Products</i>	56	54.90%	2,662	84.11%	439.0M	82.91%
<i>Industrial Machinery Equipment</i>	514	55.39%	18,163	70.68%	1,752.7M	64.63%
<i>Materials and Construction</i>	401	32.34%	12,364	22.46%	1,311.5M	23.43%
<i>Media</i>	190	45.24%	4,573	45.68%	710.2M	53.19%
<i>Metals and Mining</i>	60	58.82%	7,789	82.63%	1,151.0M	72.49%
<i>Telecommunications</i>	39	60.94%	3,487	81.23%	515.7M	80.05%

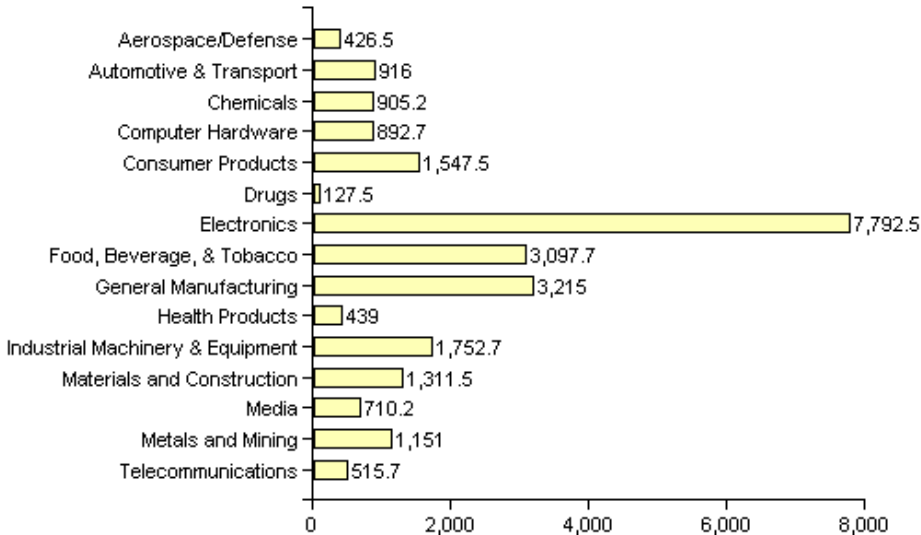
Portland–Vancouver Firms



Portland–Vancouver Employment



Portland–Vancouver Estimated Sales in Millions



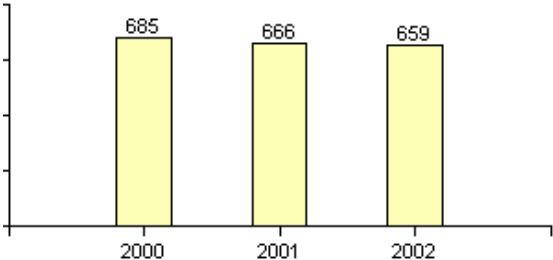
Portland–Vancouver Major Firms

Company Name	City	HQ Description	Web Address
<i>Intel Corporation</i>	<i>Hillsboro</i>	<i>Single Location</i>	
<i>Nike Inc</i>	<i>Beaverton</i>	<i>Headquarters</i>	
<i>Tektronix Inc</i>	<i>Beaverton</i>	<i>Single Location</i>	www.tek.com
<i>Freightliner Corp</i>	<i>Portland</i>	<i>Headquarters</i>	www.freightlinertruck.com
<i>Fred Meyer Inc</i>	<i>Portland</i>	<i>Headquarters</i>	
<i>Hewlett–Packard Co</i>	<i>Vancouver</i>	<i>Headquarters</i>	
<i>Boeing Co</i>	<i>Portland</i>	<i>Branch</i>	www.boeing.com
<i>James River</i>	<i>Camas</i>	<i>Single Location</i>	
<i>SEH America Inc</i>	<i>Vancouver</i>	<i>Single Location</i>	
<i>Wacker Siltronic Corp</i>	<i>Portland</i>	<i>Single Location</i>	

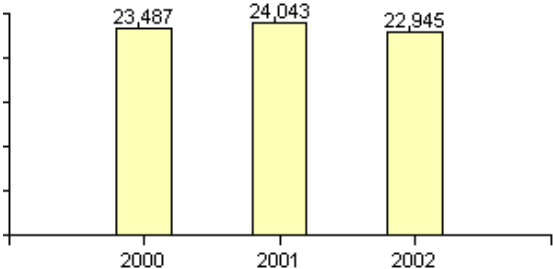
Eugene–Springfield Three year trends

Year	Number of Firms	Number of Employees
2000	685	23487
2001	666	24043
2002	659	22945

of Firms



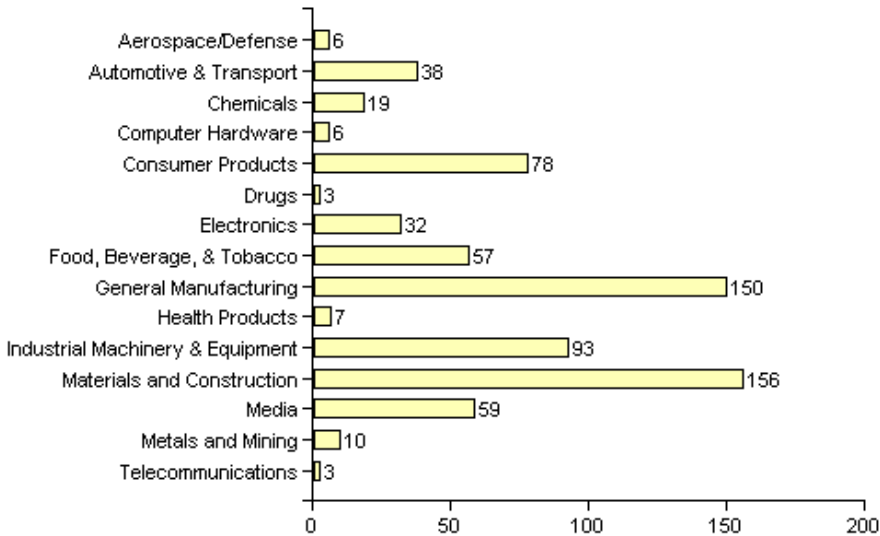
of Employees



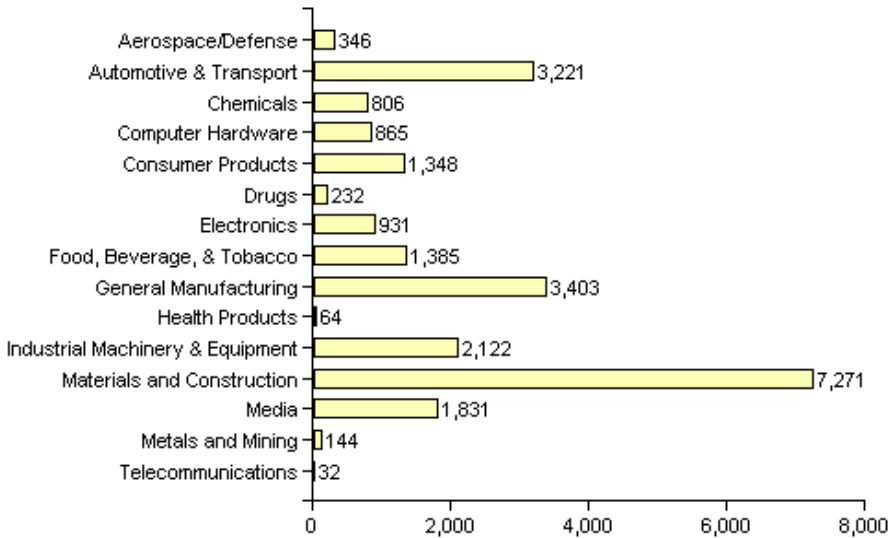
Eugene–Springfield Summary Breakdown by Sector

Industry	# of Metro Area Firms	% of OR Firms in Sector	Metro Area Employment	% of OR Employment in Sector	Metro Area Sales	% of OR Sales in Sector
<i>Aerospace/Defense</i>	6	6.98%	346	6.24%	35.2M	3.70%
<i>Automotive Transport</i>	38	13.57%	3,221	25.95%	409.0M	19.43%
<i>Chemicals</i>	19	10.22%	806	7.57%	160.0M	2.46%
<i>Computer Hardware</i>	6	5.36%	865	12.45%	265.0M	19.41%
<i>Consumer Products</i>	78	11.39%	1,348	5.46%	120.2M	5.14%
<i>Drugs</i>	3	10.34%	232	22.92%	38.2M	14.61%
<i>Electronics</i>	32	8.38%	931	2.48%	128.0M	1.49%
<i>Food, Beverage, Tobacco</i>	57	10.09%	1,385	3.57%	362.0M	2.99%
<i>General Manufacturing</i>	150	9.38%	3,403	8.40%	574.7M	10.33%
<i>Health Products</i>	7	6.86%	64	2.02%	11.2M	2.12%
<i>Industrial Machinery Equipment</i>	93	10.02%	2,122	8.26%	256.7M	9.47%
<i>Materials and Construction</i>	156	12.58%	7,271	13.21%	707.2M	12.64%
<i>Media</i>	59	14.05%	1,831	18.29%	219.7M	16.46%
<i>Metals and Mining</i>	10	9.80%	144	1.53%	24.2M	1.53%
<i>Telecommunications</i>	3	4.69%	32	0.75%	7.5M	1.16%

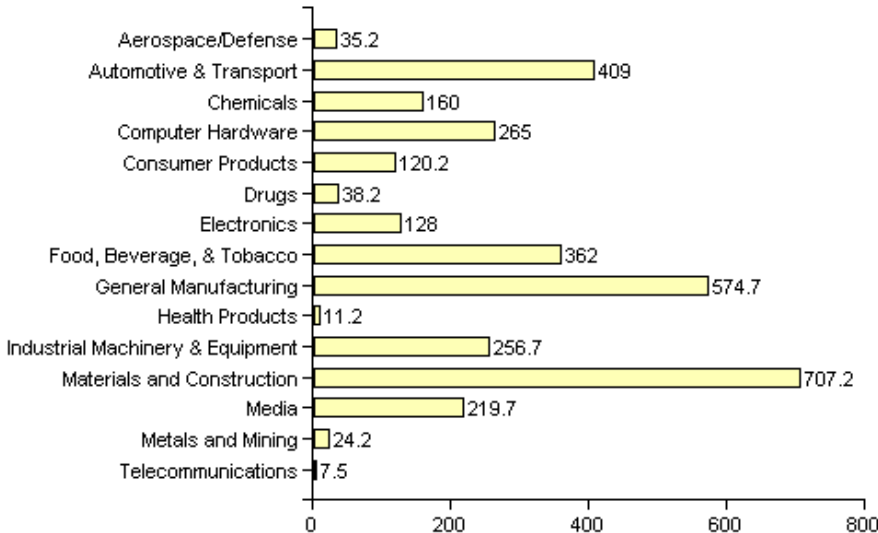
Eugene–Springfield Firms



Eugene–Springfield Employment



Eugene–Springfield Estimated Sales in Millions



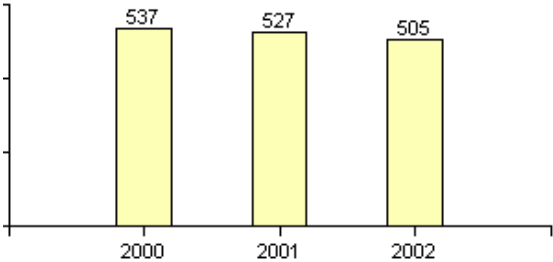
Eugene–Springfield Major Firms

Company Name	City	HQ Description	Web Address
<i>Monaco Coach Co</i>	<i>Eugene</i>	<i>Headquarters</i>	
<i>Country Coach Inc</i>	<i>Junction City</i>	<i>Single Location</i>	
<i>PSC Inc</i>	<i>Eugene</i>	<i>Single Location</i>	
<i>Weyerhaeuser</i>	<i>Springfield</i>	<i>Single Location</i>	
<i>States Industries Inc</i>	<i>Eugene</i>	<i>Headquarters</i>	
<i>Register Guard</i>	<i>Eugene</i>	<i>Single Location</i>	
<i>Rosboro Lumber Co</i>	<i>Springfield</i>	<i>Single Location</i>	
<i>Whittier Wood Products Inc</i>	<i>Eugene</i>	<i>Headquarters</i>	
<i>Trus Joist MacMillan</i>	<i>Eugene</i>	<i>Single Location</i>	
<i>Sony Disc Manufacturing</i>	<i>Springfield</i>	<i>Single Location</i>	

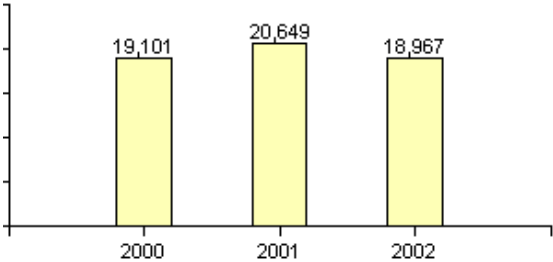
Salem Three year trends

Year	Number of Firms	Number of Employees
2000	537	19101
2001	527	20649
2002	505	18967

of Firms



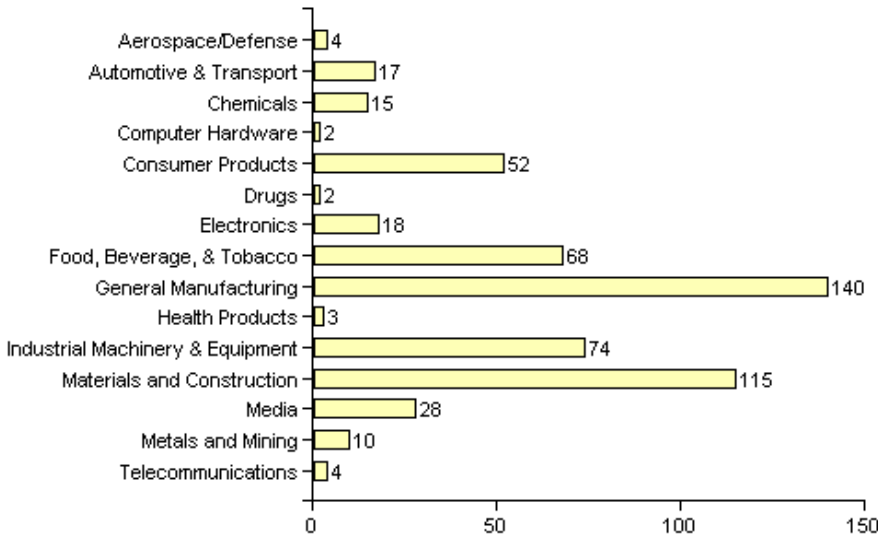
of Employees



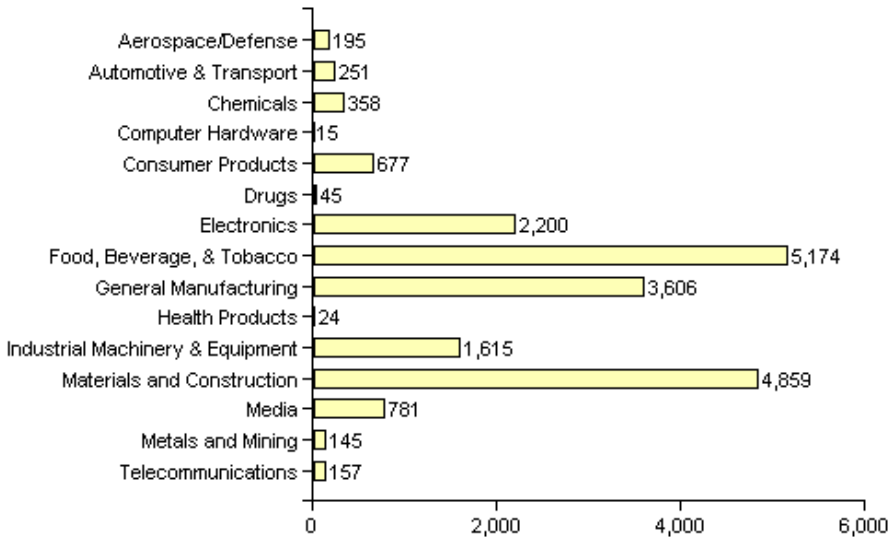
Salem Summary Breakdown by Sector

Industry	# of Metro Area Firms	% of OR Firms in Sector	Metro Area Employment	% of OR Employment in Sector	Metro Area Sales	% of OR Sales in Sector
<i>Aerospace/Defense</i>	4	4.65%	195	3.52%	28.2M	2.96%
<i>Automotive Transport</i>	17	6.07%	251	2.02%	35.5M	1.69%
<i>Chemicals</i>	15	8.06%	358	3.36%	122.5M	1.88%
<i>Computer Hardware</i>	2	1.79%	15	0.22%	3.2M	0.24%
<i>Consumer Products</i>	52	7.59%	677	2.74%	86.7M	3.70%
<i>Drugs</i>	2	6.90%	45	4.45%	15.0M	5.73%
<i>Electronics</i>	18	4.71%	2,200	5.86%	311.7M	3.64%
<i>Food, Beverage, Tobacco</i>	68	12.04%	5,174	13.35%	986.2M	8.14%
<i>General Manufacturing</i>	140	8.76%	3,606	8.91%	344.2M	6.19%
<i>Health Products</i>	3	2.94%	24	0.76%	4.0M	0.76%
<i>Industrial Machinery Equipment</i>	74	7.97%	1,615	6.28%	182.2M	6.72%
<i>Materials and Construction</i>	115	9.27%	4,859	8.83%	417.7M	7.46%
<i>Media</i>	28	6.67%	781	7.80%	61.7M	4.62%
<i>Metals and Mining</i>	10	9.80%	145	1.54%	17.0M	1.07%
<i>Telecommunications</i>	4	6.25%	157	3.66%	18.2M	2.83%

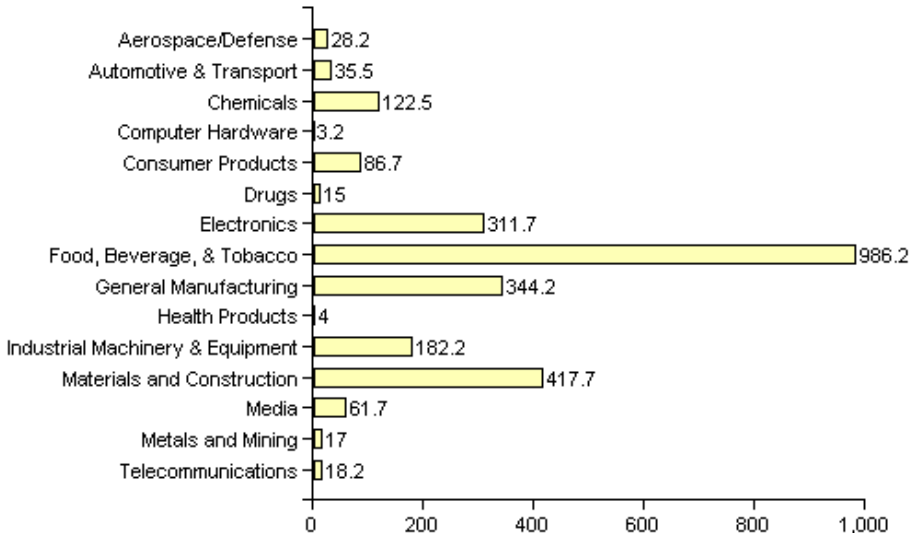
Salem Firms



Salem Employment



Salem Estimated Sales in Millions



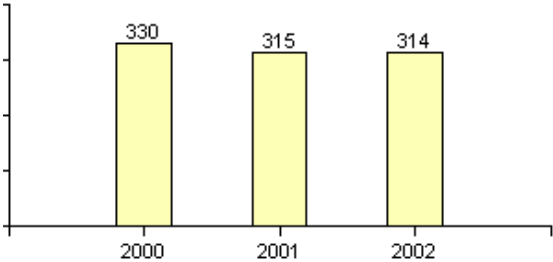
Salem Major Firms

Company Name	City	HQ Description	Web Address
<i>Agripac Inc</i>	<i>Salem</i>	<i>Single Location</i>	
<i>Mitsubishi Silicon America</i>	<i>Salem</i>	<i>Headquarters</i>	
<i>Columbia Helicopters Inc</i>	<i>Portland</i>	<i>Single Location</i>	
<i>Norpac Foods Inc</i>	<i>Stayton</i>	<i>Headquarters</i>	
<i>Gem Equipment of Oregon Inc</i>	<i>Woodburn</i>	<i>Single Location</i>	
<i>NORPAC Foods Inc</i>	<i>Salem</i>	<i>Branch</i>	www.norpac.com
<i>Mitsubishi Silicon America</i>	<i>Salem</i>	<i>Single Location</i>	
<i>Praegitzer Industries Inc</i>	<i>Dallas</i>	<i>Headquarters</i>	
<i>Statesman Journal</i>	<i>Salem</i>	<i>Single Location</i>	
<i>Philips Products</i>	<i>Stayton</i>	<i>Single Location</i>	

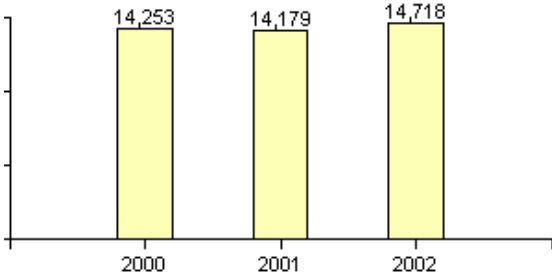
Medford–Ashland Three year trends

Year	Number of Firms	Number of Employees
2000	330	14253
2001	315	14179
2002	314	14718

of Firms



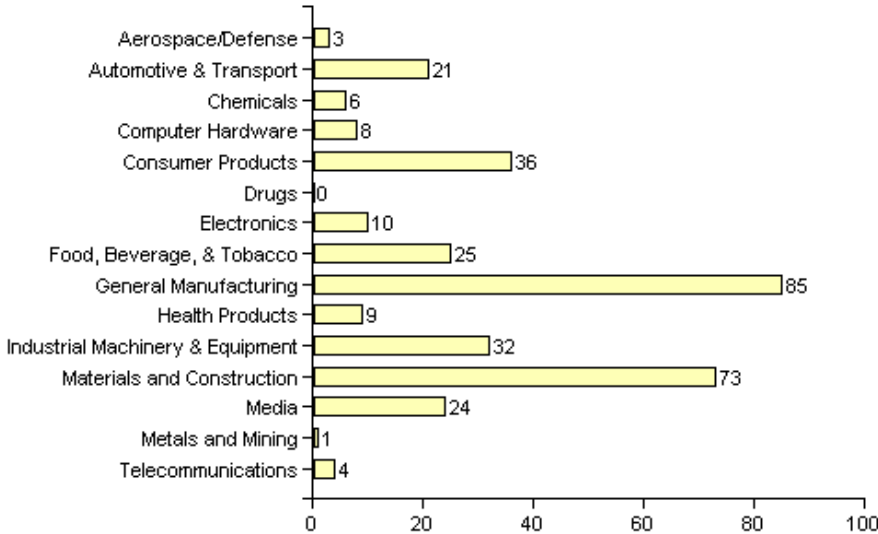
of Employees



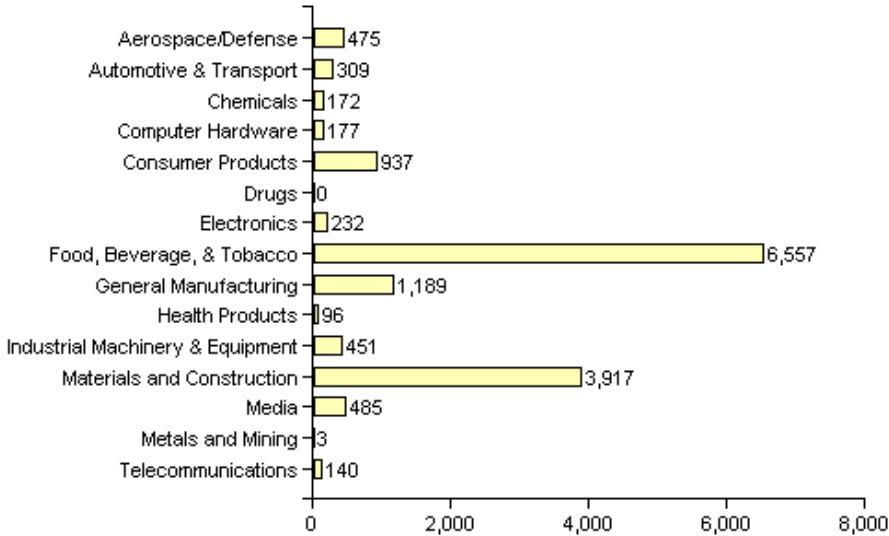
Medford–Ashland Summary Breakdown by Sector

Industry	# of Metro Area Firms	% of OR Firms in Sector	Metro Area Employment	% of OR Employment in Sector	Metro Area Sales	% of OR Sales in Sector
<i>Aerospace/Defense</i>	3	3.49%	475	8.57%	260.0M	27.28%
<i>Automotive Transport</i>	21	7.50%	309	2.49%	46.5M	2.21%
<i>Chemicals</i>	6	3.23%	172	1.61%	57.5M	0.88%
<i>Computer Hardware</i>	8	7.14%	177	2.55%	43.5M	3.19%
<i>Consumer Products</i>	36	5.26%	937	3.79%	298.7M	12.76%
<i>Drugs</i>	–	–	–	–	–	–
<i>Electronics</i>	10	2.62%	232	0.62%	25.5M	0.30%
<i>Food, Beverage, Tobacco</i>	25	4.42%	6,557	16.91%	5,069.3M	41.82%
<i>General Manufacturing</i>	85	5.32%	1,189	2.94%	143.2M	2.58%
<i>Health Products</i>	9	8.82%	96	3.03%	17.0M	3.21%
<i>Industrial Machinery Equipment</i>	32	3.45%	451	1.76%	62.5M	2.30%
<i>Materials and Construction</i>	73	5.89%	3,917	7.11%	568.7M	10.16%
<i>Media</i>	24	5.71%	485	4.84%	62.7M	4.70%
<i>Metals and Mining</i>	1	0.98%	3	0.03%	0.2M	0.02%
<i>Telecommunications</i>	4	6.25%	140	3.26%	28.5M	4.42%

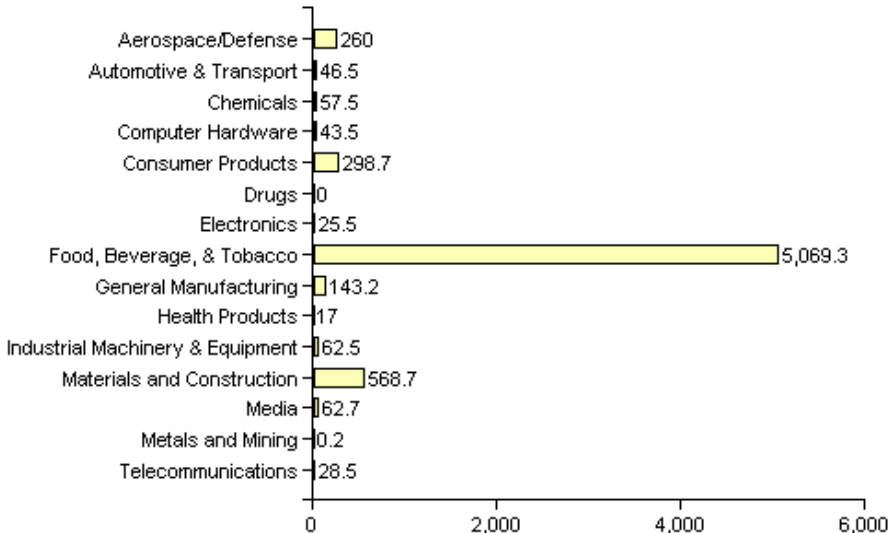
Medford–Ashland Firms



Medford–Ashland Employment



Medford–Ashland Estimated Sales in Millions



Medford–Ashland Major Firms

Company Name	City	HQ Description	Web Address
<i>Bear Creek Corporation</i>	<i>Medford</i>	<i>Headquarters</i>	
<i>Timber Prods Co</i>	<i>Medford</i>	<i>Headquarters</i>	
<i>Boise Cascade</i>	<i>Medford</i>	<i>Single Location</i>	
<i>Cascade Wood Products Inc</i>	<i>White City</i>	<i>Single Location</i>	
<i>Imation Corporation</i>	<i>White City</i>	<i>Single Location</i>	
<i>Erickson Air–Crane Co</i>	<i>Central Point</i>	<i>Single Location</i>	
<i>Sabroso Co</i>	<i>Medford</i>	<i>Headquarters</i>	
<i>Commercial Printing Co Inc</i>	<i>Medford</i>	<i>Single Location</i>	
<i>LTM Inc</i>	<i>Medford</i>	<i>Single Location</i>	
<i>Medford Mail Tribune Co</i>	<i>Medford</i>	<i>Headquarters</i>	

Terms

Firm – a business enterprise positioned at one specific location.

Estimated Sales – Because Harris' Core Database contains information of both public and private companies, all sales figures are generated by an algorithm that calculates the midpoint of a company's sales range, then adds these midpoints to create a summary estimated sales figure. Due to the nature of this measurement, this number can only be regarded as an estimate.

Sector– The 15 industrial sectors are defined by Harris InfoSource based upon classification codes and definitions used in creating Harris Industry Reports.

Classification Systems

SIC (Standard Industrial Classification) was the official governmental system used to categorize the reporting of industrial activity data, until 1987. Although being officially retired, SIC codes are still widely used as a classification system.

NAICS (North American Classification System) is the U.S. government's official system used to categorize industrial data. It was first published in 1997, and was devised to reflect the modern North American economy. NAICS first came into existence in 1997, and were compiled by Harris InfoSource as early as 1998. Although NAICS codes are just beginning to achieve widespread usage, they offer more relevancy, consistency, and flexibility than SIC codes. For more information on NAICS codes, please see www.harrisinfo.com/naics.

Note: Because some classification codes can apply to different sectors or industries, a company may be considered part of two separate groups, which can cause some small overlap between sectors and industries.

Sectors as a % of State and US Graphs:

These comparative graphs were arrived upon by dividing the number of firms in a given sector of a state by the total number of firms in the state, then comparing this to the number of firms in this sector of the United States divided by the total number of firms in the United States.

Major Company Locations

Major Company Locations is a compilation based upon employment and sales figures from the Harris Core Database. This list does not completely reflect all major companies in a given industry or classification.

Metropolitan Areas

Metropolitan Areas are defined by the Office of Management and Budget's (OMB) Metropolitan Statistical Area (MSA). The general concept of a metropolitan area is that of a large population nucleus, together with adjacent communities having a high degree of social and economic integration with that core. Metropolitan areas comprise one or more entire counties, except in New England, where cities and towns are the basic geographic units.

Harris InfoSource

For over 30 years, Harris InfoSource has been providing high quality information on U.S. business establishments – particularly in the manufacturing and technology sectors. In addition to these industry reports, Harris InfoSource offers a variety of information products that help professionals locate leads, qualify prospects, and create highly targeted strategic marketing campaigns.

- **Selectory Online** – the easiest and most flexible way to access Harris' Core Database of over 600,000 companies and their decision makers. Selectory Online is ideal for companies who want to empower their employees with the highest quality business information available.
- **Selectory CD-ROM** – your slice of the Harris Database on CD-ROM. Market right from your desktop or laptop. Search. Sort. Print. Export.
- **Directory on CD-ROM** – Our Print Directory on CD-ROM. Quickly look up companies one at time.
- **Directory in Print** – the classic sales and marketing reference.

Harris products are available for states and regions at a variety of employment levels.

For more information, please visit www.harrisinfo.com.

Terms of Use

Reproduction or electronic transmission of this report is strictly prohibited. Because of the many thousands of establishment listings that go into the summary calculations in this report and the possibilities of human and mechanical error, Harris InfoSource cannot assume liability for the correctness of all information. Hence, no information contained in this report should be relied upon in any instance where there is a possibility of any loss or damage as a consequence of any error or omission in this report.