



Alabama
Department of Labor

Labor Market Information
James Henry, Division Director

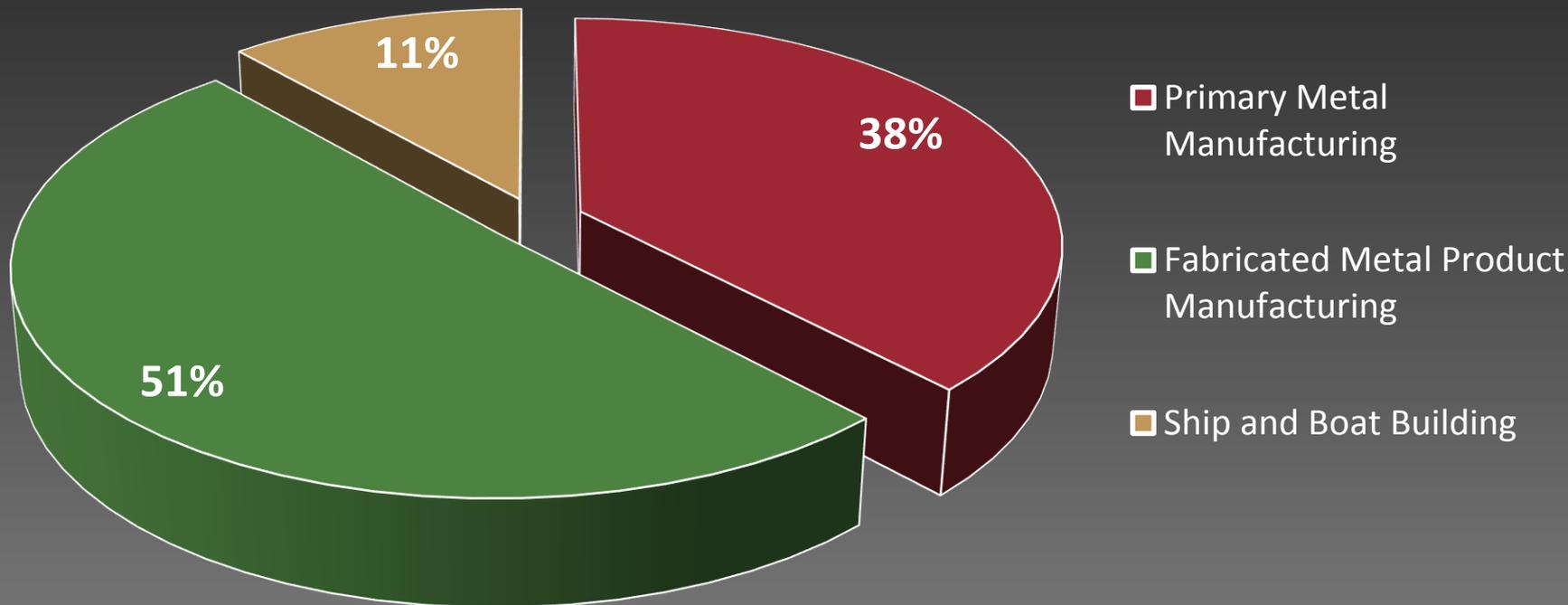


Accelerate Alabama Metal Manufacturing

Alabama Department of Labor
Labor Market Information Division



Alabama Metal Manufacturing Employment by Industry Sectors





Alabama Metal Manufacturing Industry Overview

Sector	# of Companies	# Employed
Primary Metal Manufacturing	129	18,936
Fabricated Metal Product Manufacturing	1,064	25,215
Ship and Boat Building	50	5,694



Primary Metal Manufacturing

331 Primary Metal Manufacturing

Industries in the Primary Metal Manufacturing subsector smelt and/or refine ferrous and nonferrous metals from ore, pig or scrap, using electrometallurgical and other process metallurgical techniques. Establishments in this subsector also manufacture metal alloys and super alloys by introducing other chemical elements to pure metals. The output of smelting and refining, usually in ingot form, is used in rolling, drawing, and extruding operations to make sheet, strip, bar, rod, or wire, and in molten form to make castings and other basic metal products.

129 companies; 18,936 employed;
38% of Metal/Ship Industry Employment

# of Employees	% of Companies
1-49	46%
50-99	19%
100-249	22%
250+	13%

Source: Quarterly Census of Employment and Wages, 2014 annual average. *Note: Numbers may not equal 100% due to rounding.*

Top 5 Job Categories:

- 7% Rolling Machine Setters, Operators, and Tenders, Metal and Plastic
- 6% Industrial Machinery Mechanics
- 5% Team Assemblers
- 4% Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic
- 4% Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic

Source: 2015 Release of the Occupational Employment Statistics (OES) Report in cooperation with the Bureau of Labor Statistics. Wage data aged using latest Employment Cost Index (ECI) factors.



Primary Metal Manufacturing Firm Age Workforce Indicators

Firm Age	Employment	Monthly Earnings	Monthly Earnings New Hires	Turnover
0 – 1 Year	252	\$4,379	\$3,155	13.2%
2 – 3 Years	333	\$4,115	\$2,888	13.4%
4 – 5 Years	337	\$3,671	\$3,161	*
6 – 10 Years	1,243	\$4,963	\$3,909	7.1%
11+ Years	16,534	\$6,078	\$4,243	3.7%
All Firm Ages	18,428	\$5,935	\$4,104	4.4%

Source: Local Employment Household Dynamics Partnership between Alabama Department of Labor, Labor Market Information Division, and the U.S. Census Bureau, LED Extraction Tool; 2014 annual average data shown. *Data not available or marked confidential. Note: Data may not add due to rounding.



Fabricated Metal Product Manufacturing

332 Fabricated Metal Product Manufacturing

Industries in the Fabricated Metal Product Manufacturing subsector transform metal into intermediate or end products, other than machinery, computers and electronics, and metal furniture, or treat metals and metal formed products fabricated elsewhere. Important fabricated metal processes are forging, stamping, bending, forming, and machining, used to shape individual pieces of metal; and other processes, such as welding and assembling, used to join separate parts together. Establishments in this subsector may use one of these processes or a combination of these processes.

1,064 companies; 25,215 employed;
51% of Metal/Ship Industry Employment

# of Employees	% of Companies
1-49	88%
50-99	7%
100-249	4%
250+	1%

Source: Quarterly Census of Employment and Wages, 2014 annual average. *Note: Numbers may not equal 100% due to rounding.*

Top 5 Job Categories:

- 9% Welders, Cutters, Solderers, and Brazers
- 9% Machinists
- 5% Structural Metal Fabricators and Fitters
- 4% Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic
- 4% Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic

Source: 2015 Release of the Occupational Employment Statistics (OES) Report in cooperation with the Bureau of Labor Statistics. Wage data aged using latest Employment Cost Index (ECI) factors.



Fabricated Metal Product Manufacturing Firm Age Workforce Indicators

Firm Age	Employment	Monthly Earnings	Monthly Earnings New Hires	Turnover
0 – 1 Year	401	\$3,510	\$3,116	12.6%
2 – 3 Years	541	\$3,328	\$2,405	12.4%
4 – 5 Years	495	\$3,057	\$2,295	11.3%
6 – 10 Years	1,971	\$3,756	\$2,850	8.2%
11+ Years	19,839	\$4,048	\$2,949	5.6%
All Firm Ages	23,246	\$3,974	\$2,888	6.2%

Source: Local Employment Household Dynamics Partnership between Alabama Department of Labor, Labor Market Information Division, and the U.S. Census Bureau, LED Extraction Tool; 2014 annual average data shown. **Data not available or marked confidential. Note: Data may not add due to rounding.*



Ship and Boat Building

3366 Ship and Boat Building

This industry comprises establishments primarily engaged in operating shipyards or boat yards (i.e., ship or boat manufacturing facilities). Shipyards are fixed facilities with dry-docks and fabrication equipment capable of building a ship, defined as watercraft typically suitable or intended for other than personal or recreational use. Boats are defined as watercraft typically suitable or intended for personal use. Activities of shipyards include the construction of ships, their repair, conversion and alteration, production of prefabricated ship and barge sections, and specialized services, such as ship scaling.

50 companies; 5,694 employed;
11% of Metal/Ship Industry Employment

# of Employees	% of Companies
1-49	78%
50-99	8%
100-249	10%
250+	4%

Source: Quarterly Census of Employment and Wages, 2014 annual average. *Note: Numbers may not equal 100% due to rounding.*

Top 5 Job Categories:

- 25% Layout Workers, Metal and Plastic
- 14% Welders, Cutters, Solderers, and Brazers
- 5% Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders
- 3% Helpers--Production Workers
- 3% Electricians

Source: 2015 Release of the Occupational Employment Statistics (OES) Report in cooperation with the Bureau of Labor Statistics. Wage data aged using latest Employment Cost Index (ECI) factors.



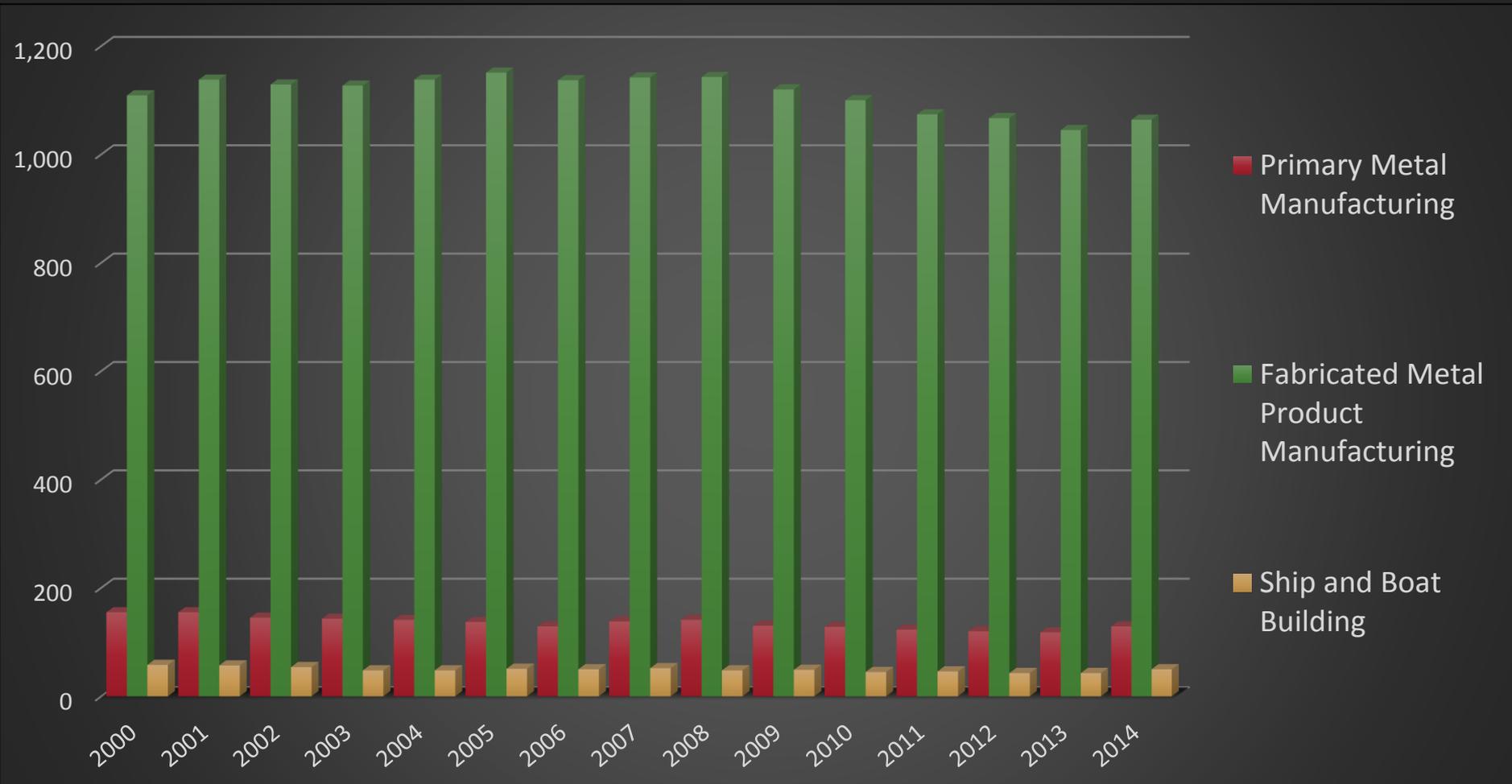
Ship and Boat Building Firm Age Workforce Indicators

Firm Age	Employment	Monthly Earnings	Monthly Earnings New Hires	Turnover
0 – 1 Year	18	\$3,038	*	*
2 – 3 Years	48	\$4,005	\$3,257	8.2%
4 – 5 Years	*	*	*	*
6 – 10 Years	187	\$3,461	\$3,286	*
11+ Years	4,513	\$4,560	\$3,562	7.0%
All Firm Ages	4,765	\$4,509	\$3,563	7.9%

Source: Local Employment Household Dynamics Partnership between Alabama Department of Labor, Labor Market Information Division, and the U.S. Census Bureau, LED Extraction Tool; 2014 annual average data shown. *Data not available or marked confidential. Note: Data may not add due to rounding.



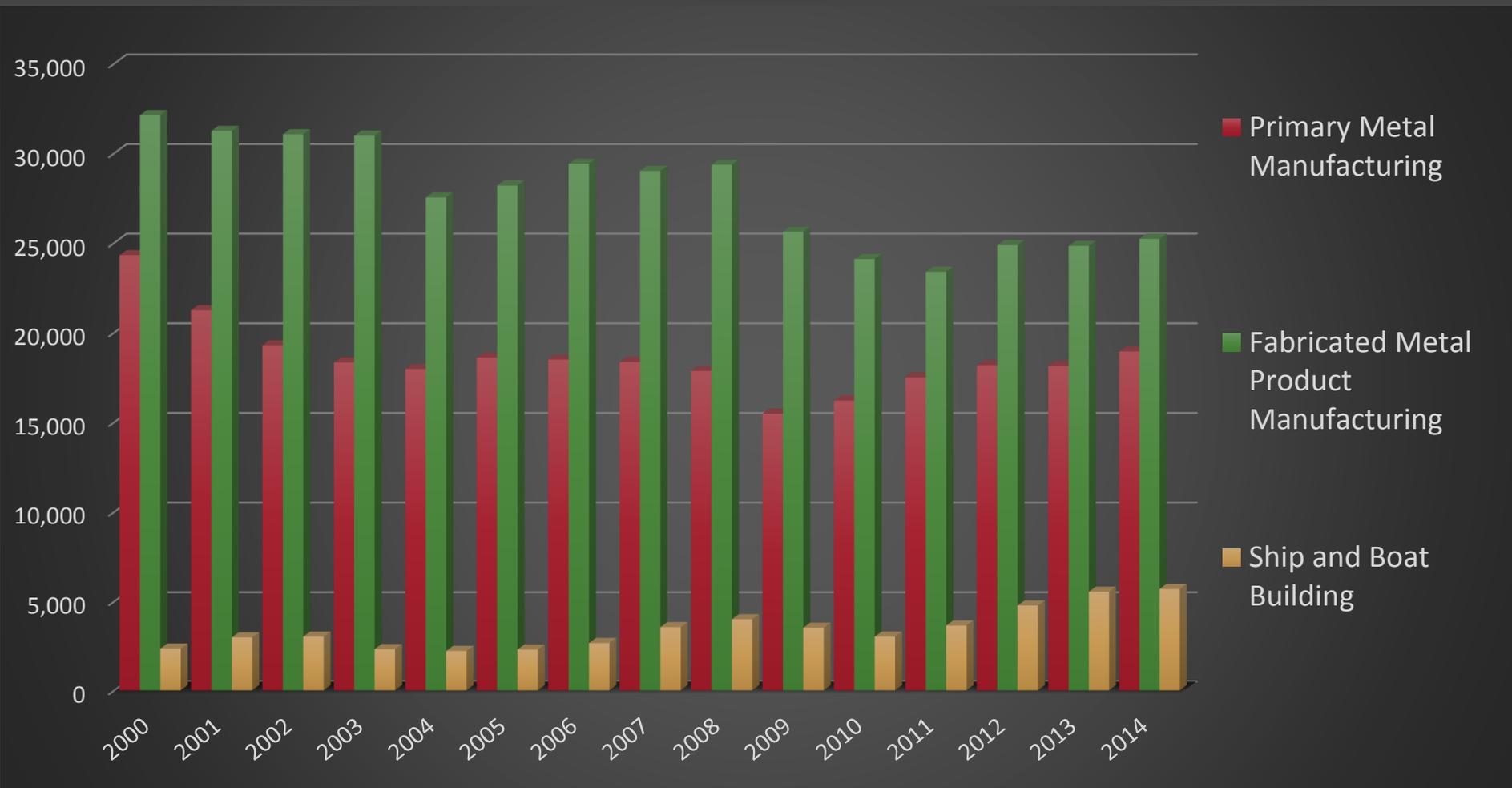
Development of Alabama's Sheet Metal and Ship Manufacturing Industry by Company



Source: Alabama Department of Labor, Quarterly Census of Employment and Wages.



Development of Alabama's Sheet Metal and Ship Manufacturing Industry by Employment





Top Occupations for Sheet Metal and Ship Manufacturing by Rounded Employment

Occupations	# of Jobs	% of Total
Welders, Cutters, Solderers, and Brazers	3,270	7%
Machinists	2,480	5%
Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	1,840	4%
Team Assemblers	1,800	4%
Industrial Machinery Mechanics	1,670	3%
Layout Workers, Metal and Plastic	1,630	3%
Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	1,480	3%
Helpers--Production Workers	1,440	3%
Structural Metal Fabricators and Fitters	1,260	3%
Remaining Occupations	32,970	66%

Source: 2015 release of the Occupational Employment Statistics (OES) Report in cooperation with the Bureau of Labor Statistics; wage data aged using the most current Employment Cost Index (ECI) factors. Annual wage information rounded to the nearest whole dollar. *Note: Data reflects wages across all industries, not specifically to respective industry cluster.*



Wage Information

Top 10 by Rounded Occupational Employment

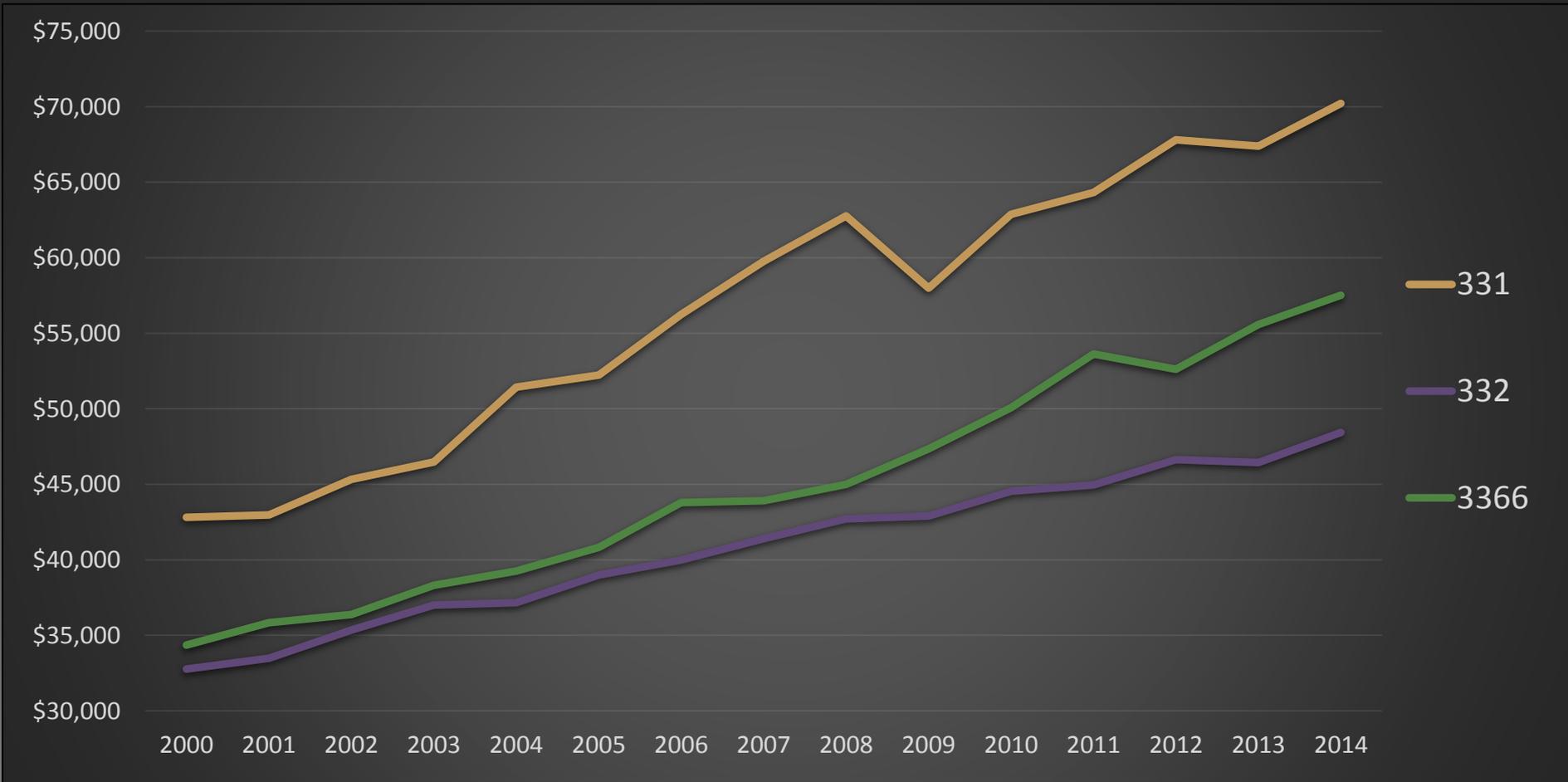
Occupation	Rounded Emp.	Mean Hourly	Mean Annual	Entry Hourly	Entry Annual	Experience Hourly	Experience Annual
Welders, Cutters, Solderers, and Brazers	3,270	\$18.34	\$38,157	\$12.91	\$26,867	\$21.06	\$43,802
Machinists	2,480	\$19.73	\$41,036	\$13.09	\$27,217	\$23.05	\$47,935
Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	1,840	\$15.26	\$31,731	\$10.18	\$21,181	\$17.80	\$37,016
Team Assemblers	1,800	\$17.23	\$35,854	\$10.55	\$21,932	\$20.58	\$42,805
Industrial Machinery Mechanics	1,670	\$25.12	\$52,244	\$16.88	\$35,128	\$29.23	\$60,808
Layout Workers, Metal and Plastic	1,630	\$19.36	\$40,265	\$13.88	\$28,862	\$22.10	\$45,961
Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	1,480	\$23.59	\$49,056	\$12.50	\$26,014	\$29.13	\$60,582
Helpers--Production Workers	1,440	\$11.72	\$24,379	\$8.46	\$17,603	\$13.36	\$27,772
Structural Metal Fabricators and Fitters	1,260	\$17.87	\$37,170	\$11.94	\$24,831	\$20.83	\$43,339
Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	1,140	\$15.92	\$33,098	\$11.05	\$22,991	\$18.34	\$38,157

Source: 2015 release of the Occupational Employment Statistics (OES) Report in cooperation with the Bureau of Labor Statistics; wage data aged using the most current Employment Cost Index (ECI) factors. Annual wage information rounded to the nearest whole dollar. *Note: Data reflects wages across all industries, not specifically to respective industry cluster.*



Wage Information

Total Wages by NAICS Code 2000-2014



Source: Alabama Department of Labor, Quarterly Census of Employment and Wages

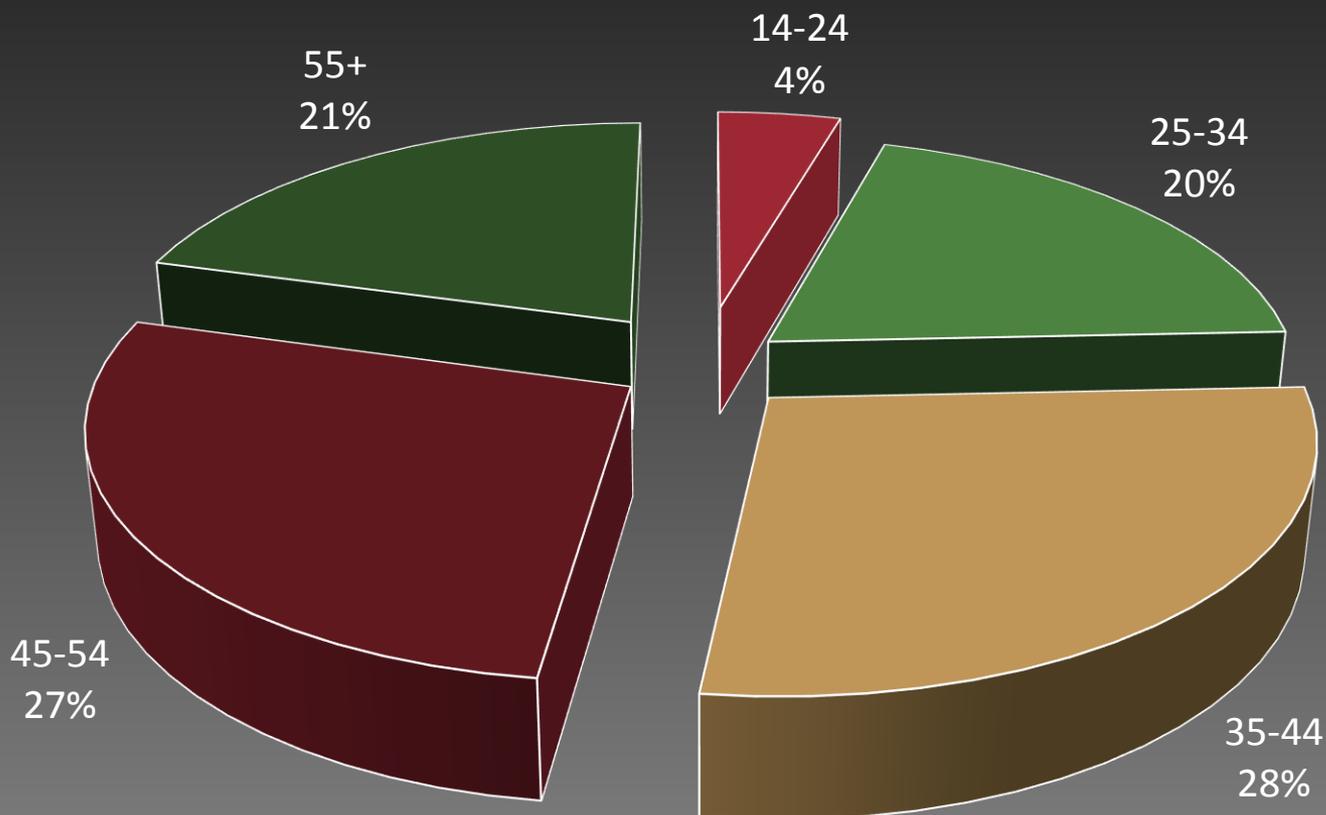


2014 Quarterly Workforce Indicators

NAICS	Industry	Average Turnover Rate	Average Job Gains	Average Net Job Flows	Average Monthly Earnings	Average Monthly Earnings – New Hires
331	Primary Metal Manufacturing	4.4%	345	139	\$5,935	\$4,104
332	Fabricated Metal Product Manufacturing	6.2%	754	139	\$3,974	\$2,888
3366	Ship and Boat Building	7.9%	127	14	\$4,508	\$3,563

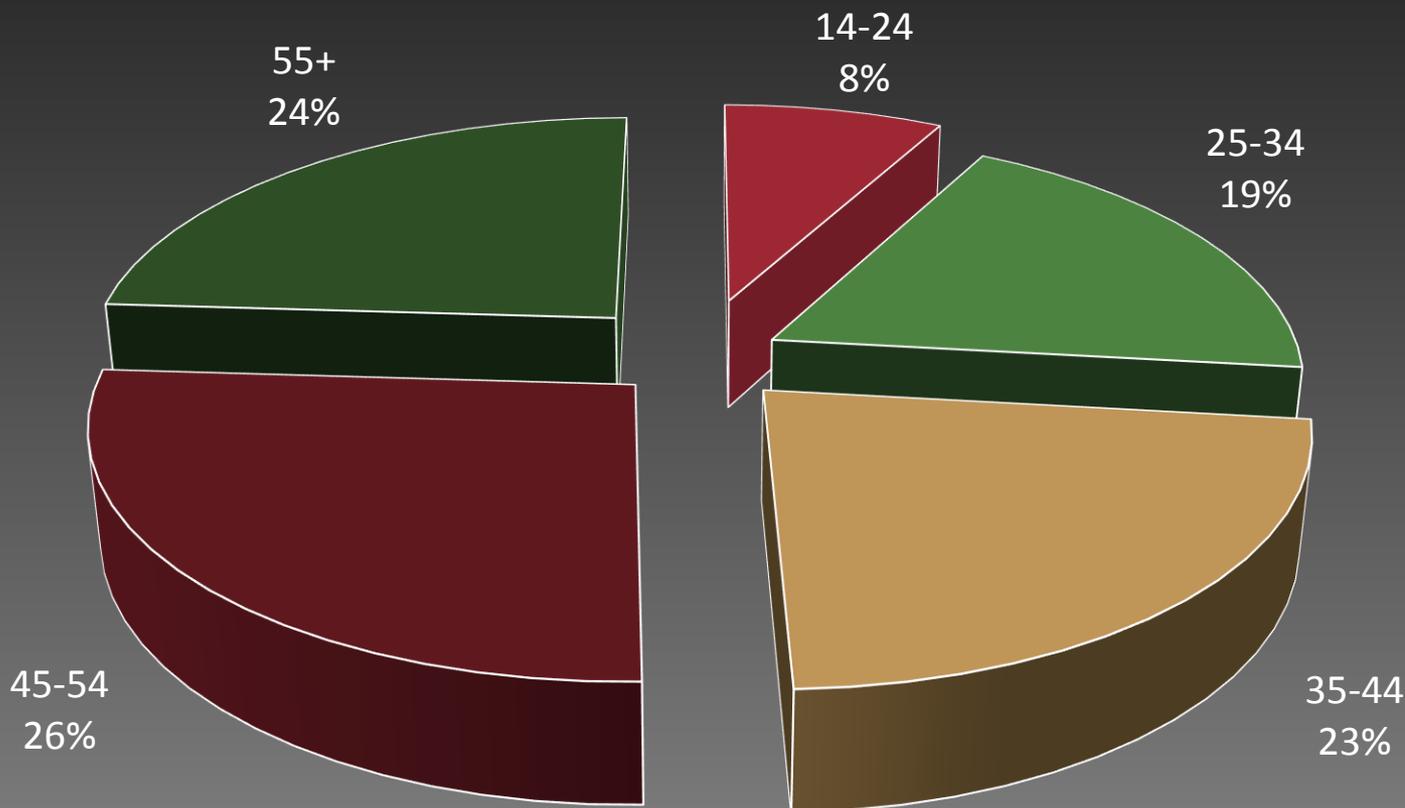


331 Primary Metal Manufacturing 2014 Average Annual Employment by Age Group





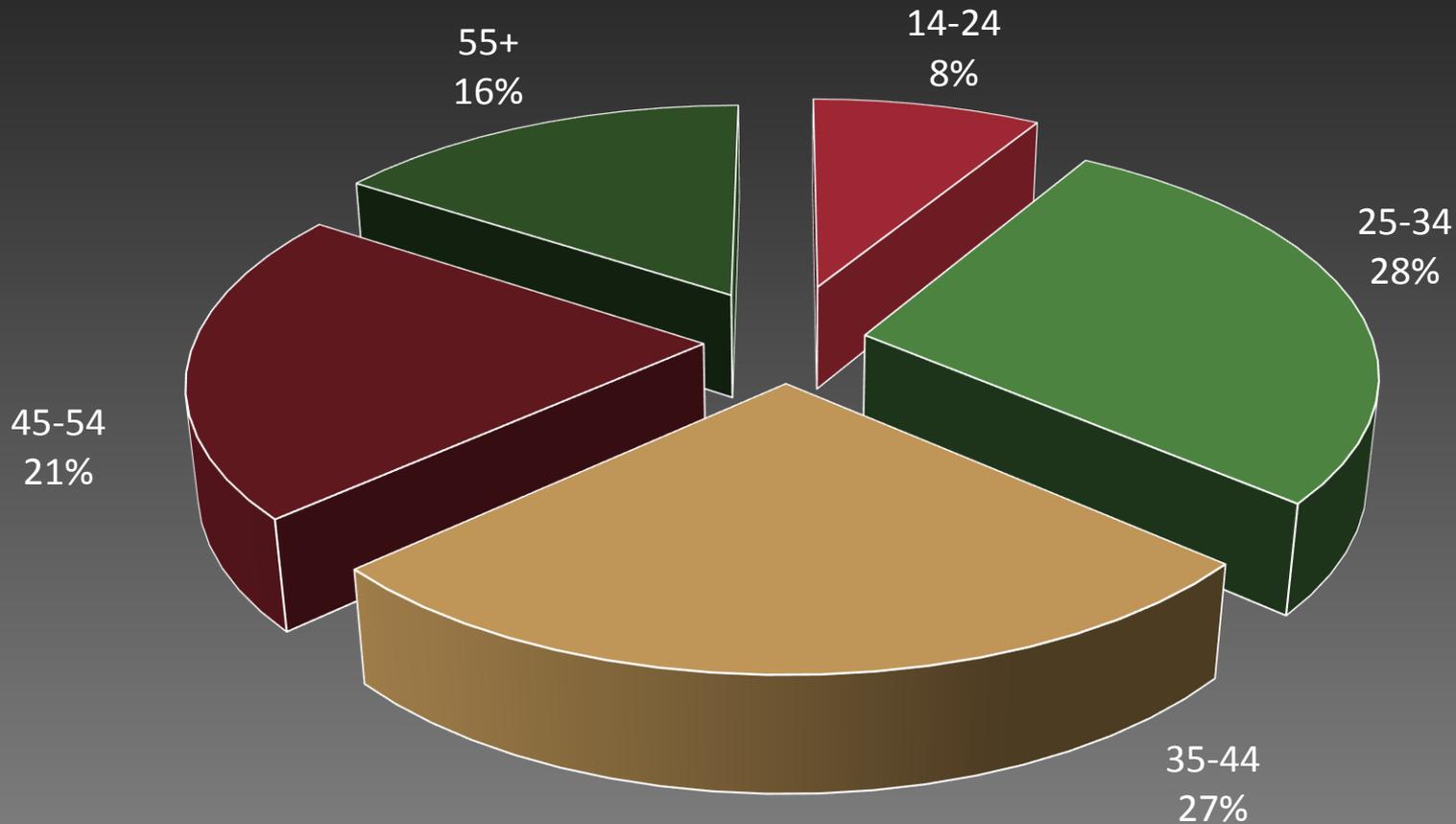
332 Fabricated Metal Product Manufacturing 2014 Average Annual Employment by Age Group





3366 Ship and Boat Building

2014 Average Annual Employment by Age Group





Projections Information

2014 – 2024 Industry Projections by NAICS Code

NAICS	Industry	2014	2024	Net Change	Percent Change	Average Annual Growth	U.S. Average Annual Growth	Location Quotient
331	Primary Metal Manufacturing	18,940	16,720	-2,220	-11.72	-1.24	-0.91	3.40
332	Fabricated Metal Product Manufacturing	25,220	27,970	2,750	10.90	1.04	0.05	1.25
3366	Ship and Boat Building	5,690	6,450	760	13.36	1.26	-0.13	2.95



Major Metal Manufacturing Regions

Metal Manufacturing Industry Maps:

Statewide

- Workforce Development Region 1
- Workforce Development Region 2
- Workforce Development Region 3
- Workforce Development Region 4
- Workforce Development Region 5
- Workforce Development Region 6
- Workforce Development Region 7
- Workforce Development Region 8
- Workforce Development Region 9
- Workforce Development Region 10