



Alabama
Department of Labor

Labor Market Information
James Henry, Division Director

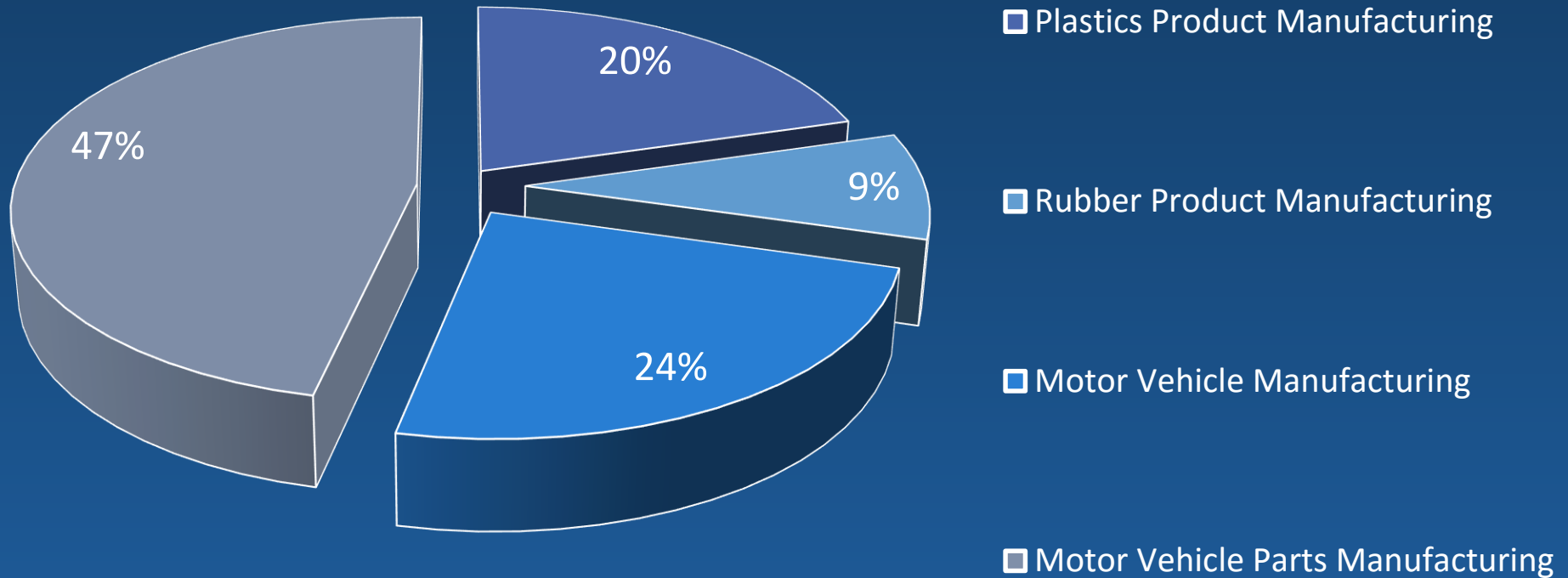


Accelerate Alabama Automotive

Alabama Department of Labor
Labor Market Information Division



Alabama Automotive Employment by Industry Sectors





Alabama Automotive Industry Overview

Sector	# of Companies	# Employed
Plastics Product Manufacturing	173	11,211
Rubber Product Manufacturing	46	4,871
Motor Vehicle Manufacturing	14	13,116
Motor Vehicle Parts Manufacturing	168	25,473



Plastics Product Manufacturing

3261 Plastics Product Manufacturing

This industry group comprises establishments primarily engaged in processing new or spent (i.e. recycled) plastics resins into intermediate or final products, using such processes as compression molding; extrusion molding; injection molding; blow molding; and casting. Within most of these industries, the production process is such that a wide variety of products can be made.

173 companies; 11,121 employed;
20% of Automotive Industry Employment

# of Employees	% of Companies
1-49	67%
50-99	11%
100-249	16%
250+	6%

Top 5 Job Categories:

- 10% Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic
- 8% Inspectors, Testers, Sorters, Samplers, and Weighers
- 6% Packers and Packagers, Hand
- 6% Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic
- 5% Team Assemblers

Source: Quarterly Census of Employment and Wages, 2015 annual average. Note: Numbers may not equal 100% due to rounding.

Source: 2016 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.



Plastics Product Manufacturing Firm Age Workforce Indicators

Firm Age	Employment	Monthly Earnings	Monthly Earnings New Hires	Turnover
0 – 1 Year	298	\$4,025	\$3,314	19.1%
2 – 3 Years	372	\$4,723	\$3,433	10.3%
4 – 5 Years	459	\$2,799	\$2,130	9.4%
6 – 10 Years	1,035	\$3,549	\$2,605	9.0%
11+ Years	8,241	\$3,748	\$2,907	7.0%
All Firm Ages	10,404	\$3,718	\$2,862	7.8%



Rubber Product Manufacturing

3262 Rubber Product Manufacturing

This industry group comprises establishments primarily engaged in processing natural, synthetic, or reclaimed rubber materials into intermediate or final products using processes, such as vulcanizing, cementing, molding, extruding, and lathe-cutting.

46 companies; 4,871 employed;
9% of Automotive Industry Employment

# of Employees	% of Companies
1-49	74%
50-99	13%
100-249	4%
250+	9%

Top 5 Job Categories:

- 39% Tire Builders
- 12% Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders
- 5% Industrial Machinery Mechanics
- 5% Team Assemblers
- 4% Inspectors, Testers, Sorters, Samplers, and Weighers

Source: Quarterly Census of Employment and Wages, 2015 annual average. *Note: Numbers may not equal 100% due to rounding.*

Source: 2016 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.



Rubber Product Manufacturing Firm Age Workforce Indicators

Firm Age	Employment	Monthly Earnings	Monthly Earnings New Hires	Turnover
0 – 1 Year	*	\$1,495	*	*
2 – 3 Years	*	\$1,921	*	*
4 – 5 Years	*	\$2,129	\$1,476	*
6 – 10 Years	266	\$2,968	\$2,358	5.4%
11+ Years	3,848	\$4,603	\$3,153	4.3%
All Firm Ages	4,128	\$4,498	\$3,090	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; 2015 annual average data shown. *Data not available or marked confidential. Note: Data may not add due to rounding.



Motor Vehicle Manufacturing

3361: Motor Vehicle Manufacturing: 33611 Automobile and Light Duty Motor Vehicle

Manufacturing: This industry comprises establishments primarily engaged in (1) manufacturing complete automobile and light duty motor vehicles (i.e., body and chassis or uni-body) or (2) manufacturing chassis only. **33612 Heavy Duty Truck Manufacturing:** This industry comprises establishments primarily engaged in (1) manufacturing heavy duty truck chassis and assembling complete heavy duty trucks, buses, heavy duty motor homes, and other special purpose heavy duty motor vehicles for highway use or (2) manufacturing heavy duty truck chassis only.

14 companies; 13,116 employed;
24% of Automotive Industry Employment

# of Employees	% of Companies
1-49	57%
50-99	0%
100-249	0%
250+	43%

Source: Quarterly Census of Employment and Wages, 2015 annual average. *Note: Numbers may not equal 100% due to rounding.*

Top 5 Job Categories:

- 69% Team Assemblers
- 5% Industrial Engineers
- 4% Industrial Machinery Mechanics
- 1% Computer-Controlled Machine Tool Operators, Metal and Plastic
- 1% Purchasing Agents, Except Wholesale, Retail, and Farm Products

Source: 2016 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.



Motor Vehicle Manufacturing Firm Age Workforce Indicators

Firm Age	Employment	Monthly Earnings	Monthly Earnings New Hires	Turnover
0 – 1 Year	*	*	*	*
2 – 3 Years	*	*	*	*
4 – 5 Years	*	*	*	*
6 – 10 Years	*	\$7,114	\$5,367	*
11+ Years	14,033	\$6,895	\$5,106	1.8%
All Firm Ages	14,051	\$6,895	\$5,105	1.8%

Source: Local Employment Household Dynamics Partnership between Alabama Department of Labor, Labor Market Information Division, and the U.S. Census Bureau, LED Extraction Tool; 2015 annual average data shown. **Data not available or marked confidential. Note: Data may not add due to rounding.*



Motor Vehicle Parts Manufacturing

33631 Motor Vehicle Gasoline Engine and Engine Parts Manufacturing: This industry comprises establishments primarily engaged in (1) manufacturing and/or rebuilding motor vehicle gasoline engines and engine parts and/or (2) manufacturing and/or rebuilding carburetors, pistons, piston rings, and engine valves, whether or not for vehicular use. **33632:Motor Vehicle Electrical and Electronic Equipment Manufacturing:** This industry comprises establishments primarily engaged in manufacturing and/or rebuilding electrical and electronic equipment for motor vehicles and internal combustion engines. The products made can be used for all types of transportation equipment (i.e., aircraft, automobiles, trucks, trains, ships) or stationary internal combustion engine applications.

168 companies; 25,473 employed;
47% of Automotive Industry Employment

# of Employees	% of Companies
1-49	50%
50-99	11%
100-249	16%
250+	22%

Source: Quarterly Census of Employment and Wages, 2015 annual average. *Note: Numbers may not equal 100% due to rounding.*

Top 5 Job Categories:

- 28% Team Assemblers
- 10% Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic
- 4% Inspectors, Testers, Sorters, Samplers, and Weighers
- 4% Engine and Other Machine Assemblers
- 3% Industrial Machinery Mechanics

Source: 2016 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.



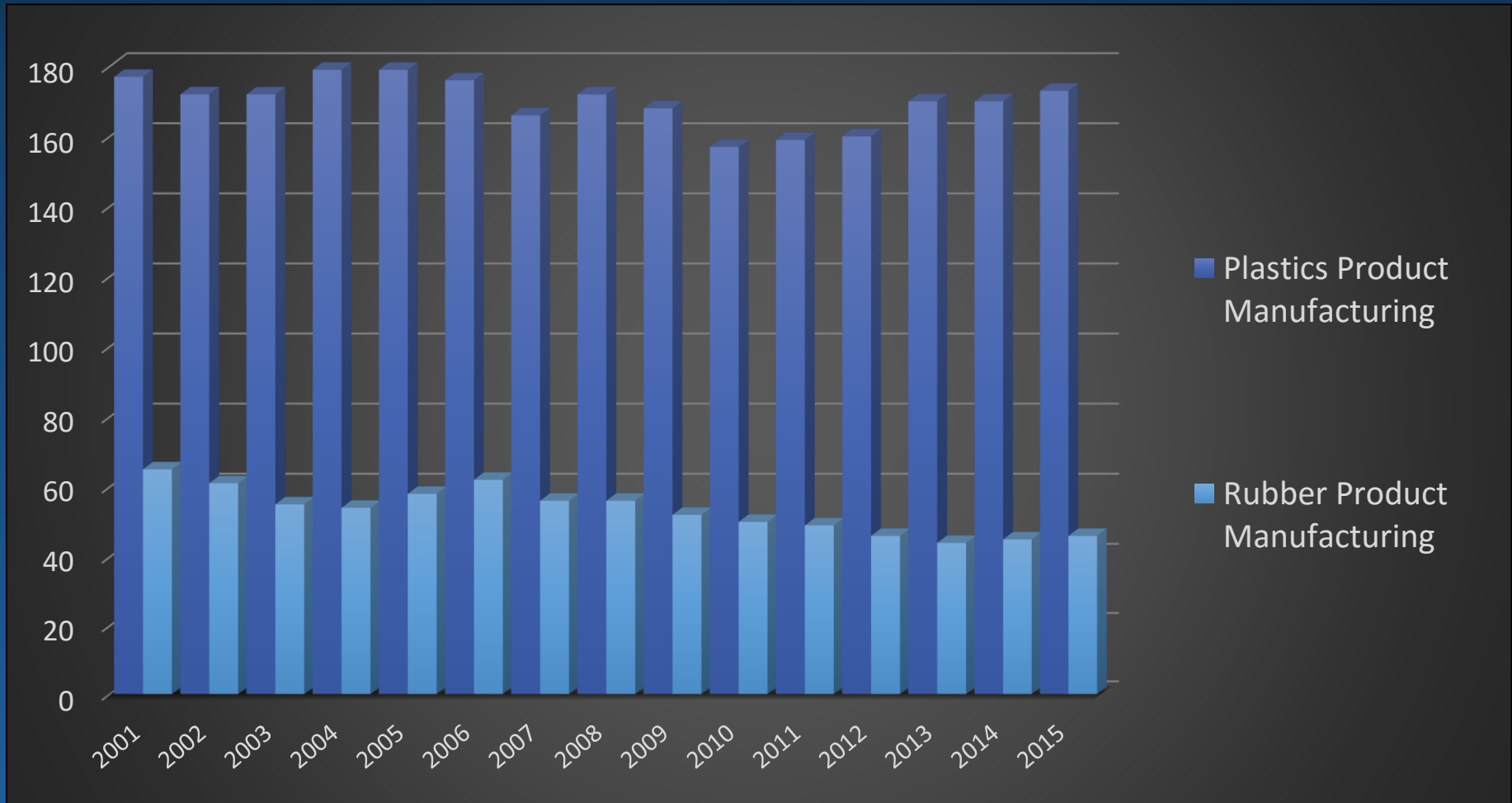
Motor Vehicle Parts Manufacturing Firm Age Workforce Indicators

Firm Age	Employment	Monthly Earnings	Monthly Earnings New Hires	Turnover
0 – 1 Year	332	\$3,160	\$2,709	15.6%
2 – 3 Years	542	\$2,878	\$2,353	10.3%
4 – 5 Years	261	\$3,458	\$2,679	8.3%
6 – 10 Years	2,934	\$3,375	\$2,763	9.9%
11+ Years	19,044	\$3,961	\$2,948	5.9%
All Firm Ages	23,112	\$3,841	\$2,871	6.7%

Source: Local Employment Household Dynamics Partnership between Alabama Department of Labor, Labor Market Information Division, and the U.S. Census Bureau, LED Extraction Tool; 2015 annual average data shown. **Data not available or marked confidential. Note: Data may not add due to rounding.*

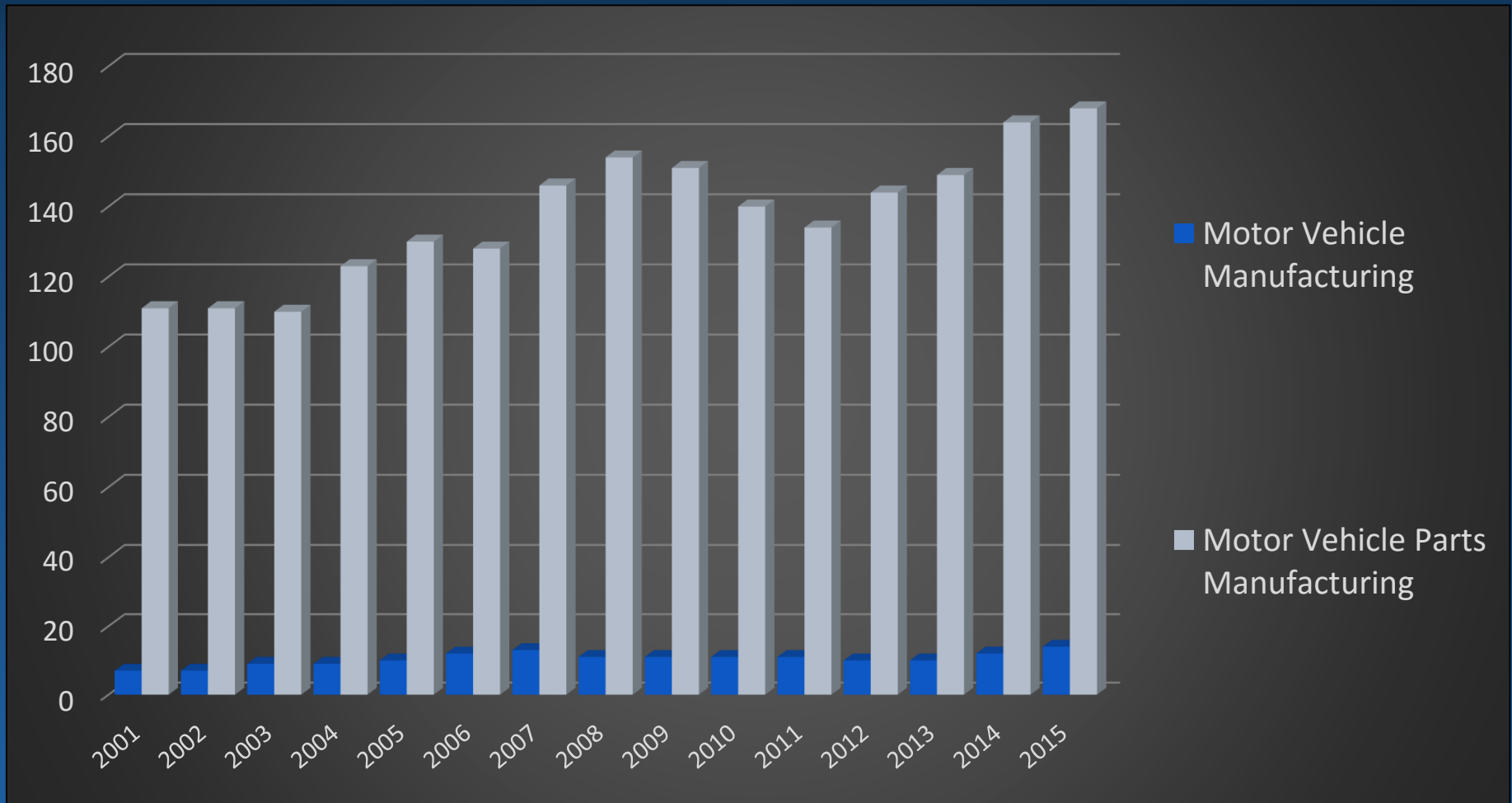


Development of Alabama's Automotive Industry by Company



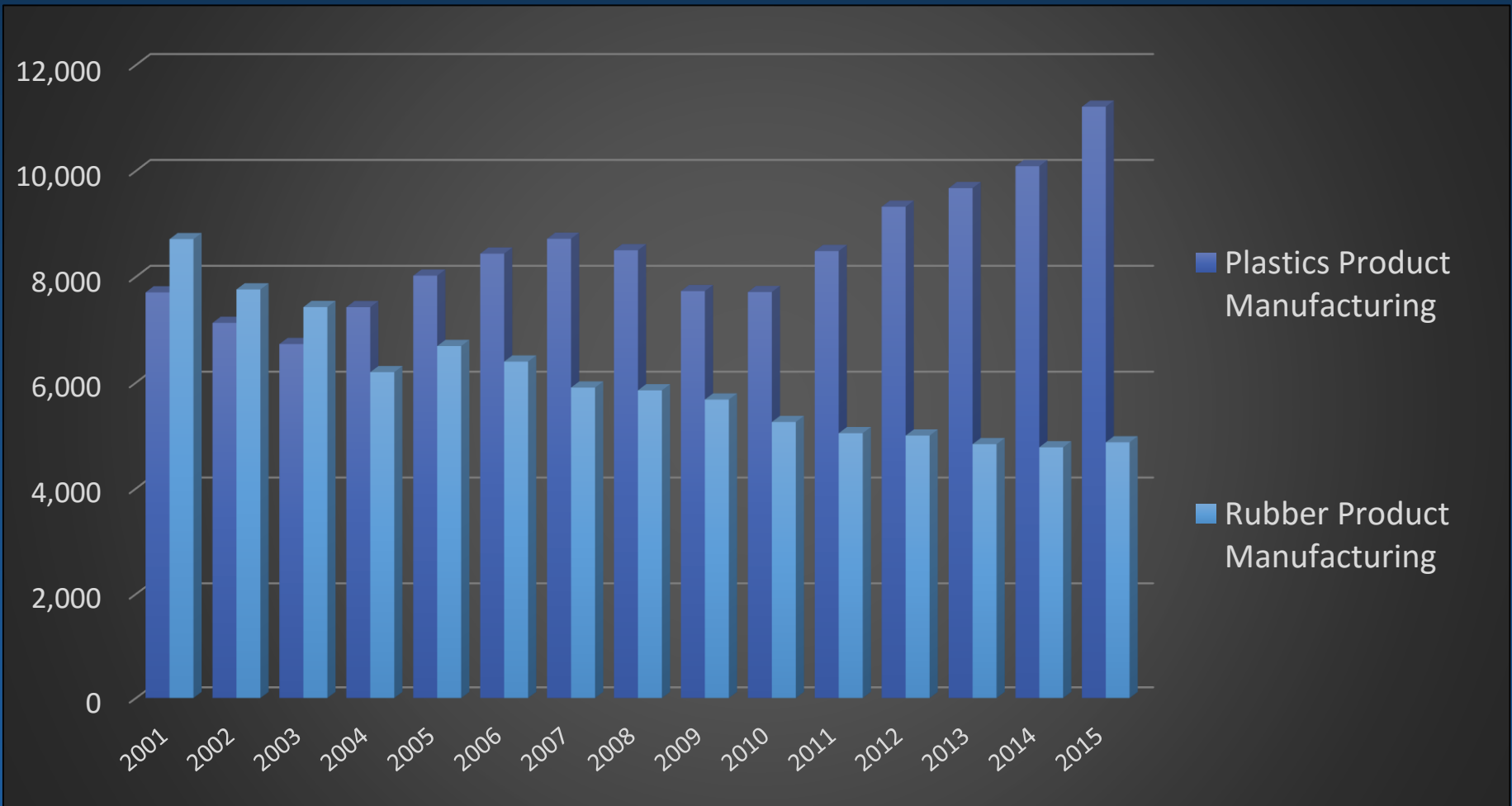


Development of Alabama's Automotive Industry by Company



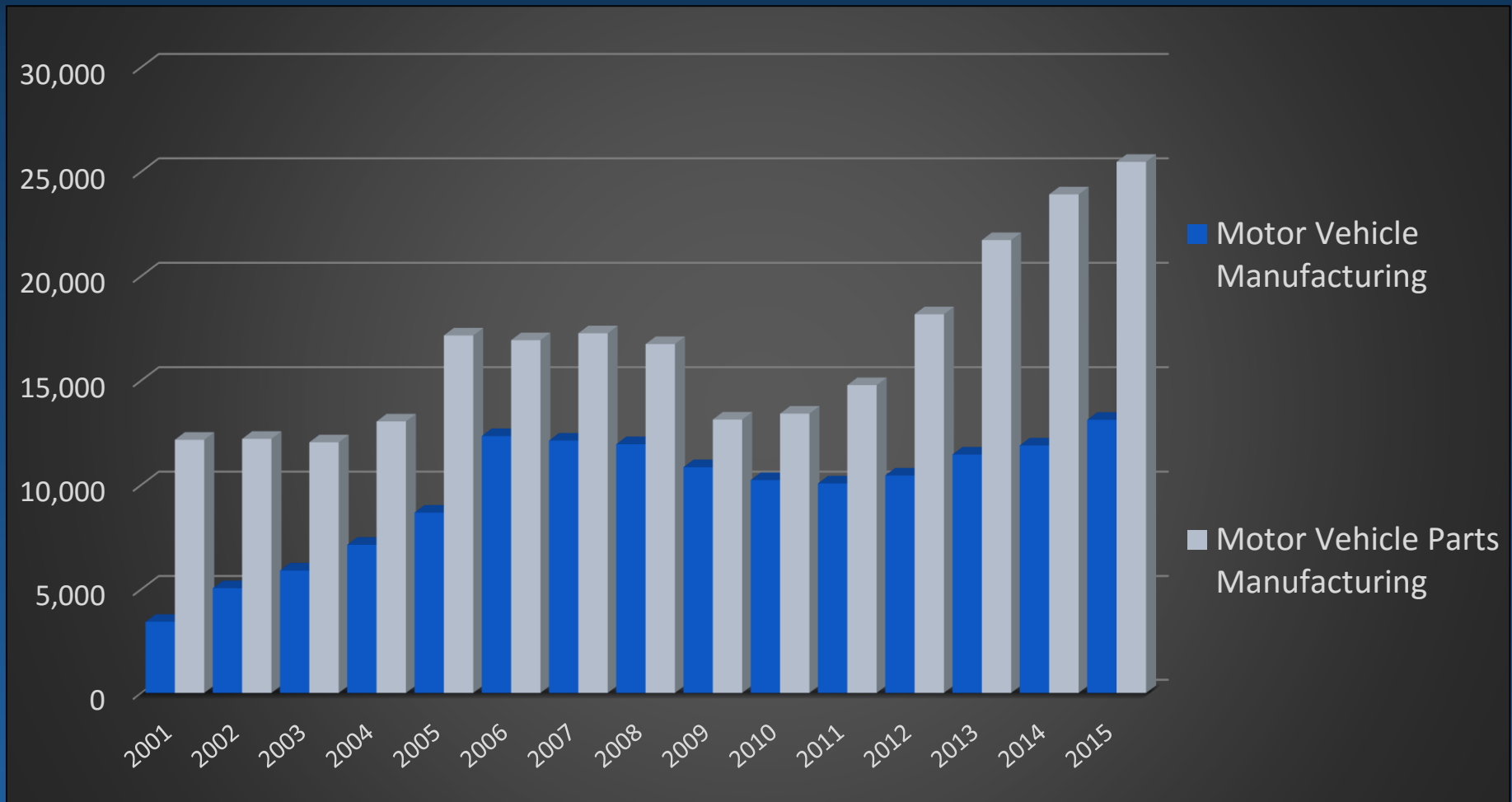


Development of Alabama's Automotive Industry by Employment



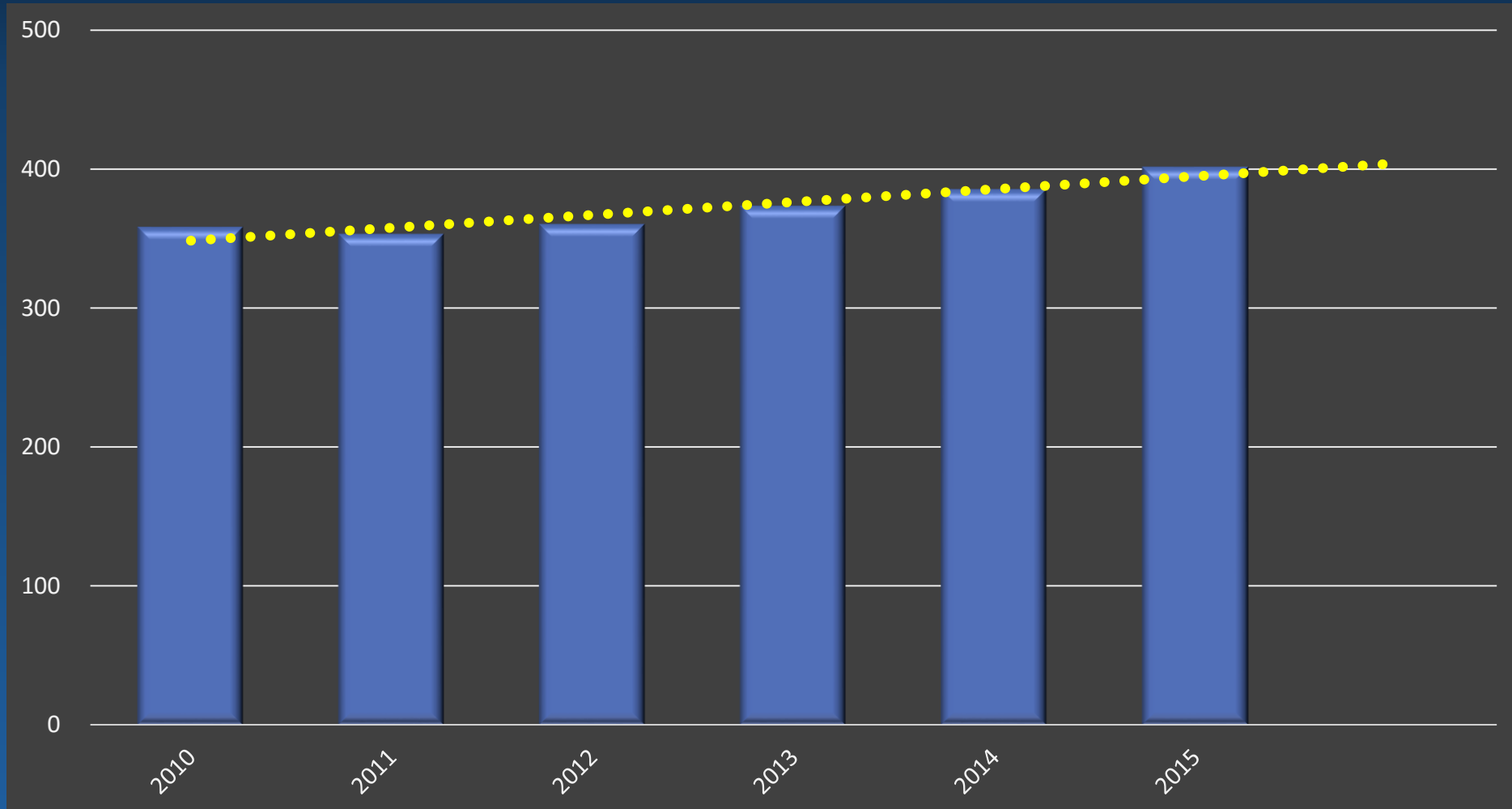


Development of Alabama's Automotive Industry by Employment



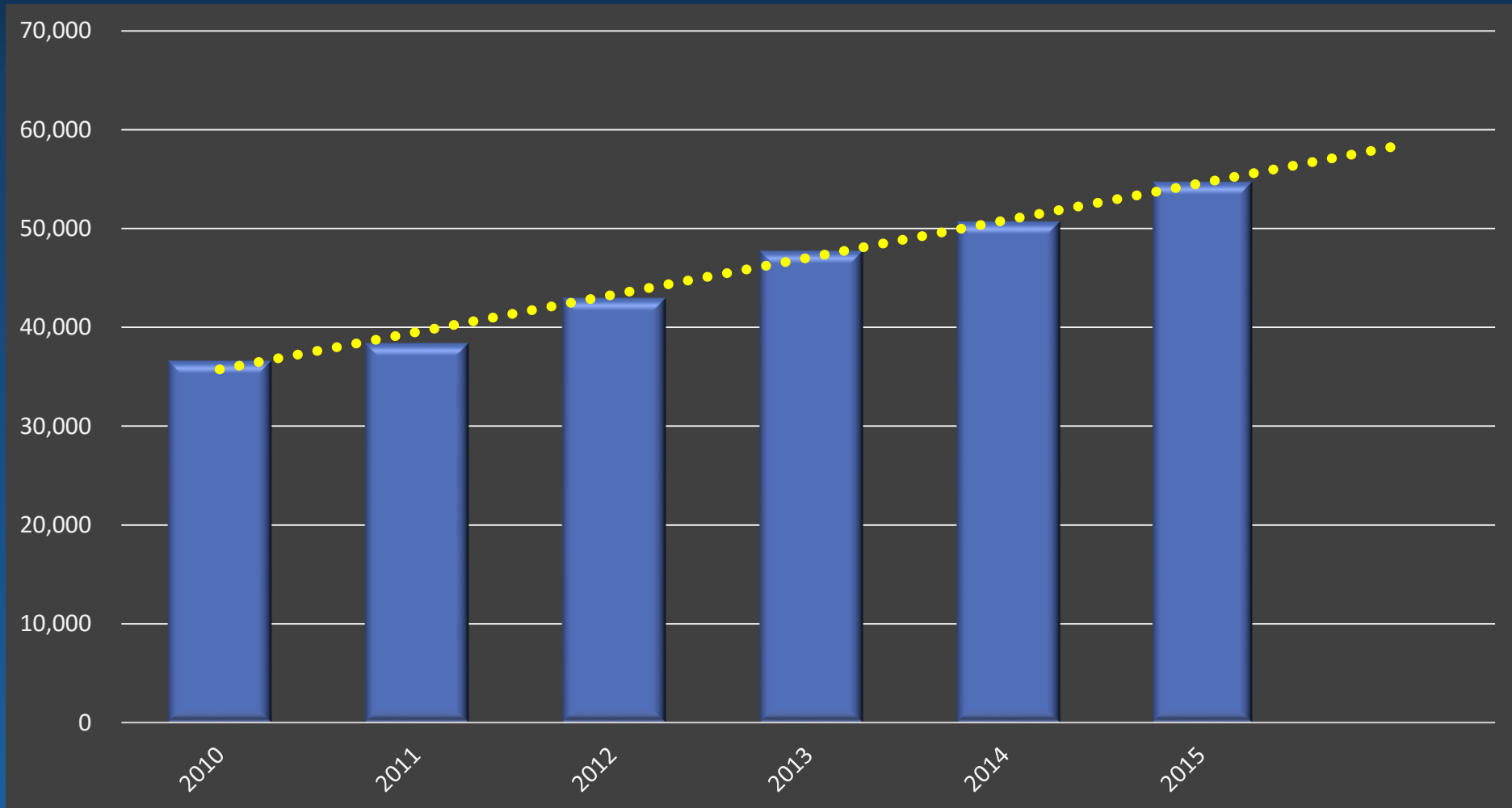


Cluster Change Since 2010 Total Establishment





Cluster Change Since 2010 Total Employment





Top Occupations for Automotive by Rounded Employment

Occupations	# of Jobs	% of Total
Team Assemblers	15,540	31%
Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	2,540	5%
Inspectors, Testers, Sorters, Samplers, and Weighers	2,120	5%
Tire Builders	1,870	4%
Industrial Machinery Mechanics	1,850	4%
Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	1,200	4%
Engine and Other Machine Assemblers	1,010	2%
Computer-Controlled Machine Tool Operators, Metal and Plastic	990	2%
Industrial Engineers	990	2%
Remaining Occupations	15,030	45%

Source: 2016 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

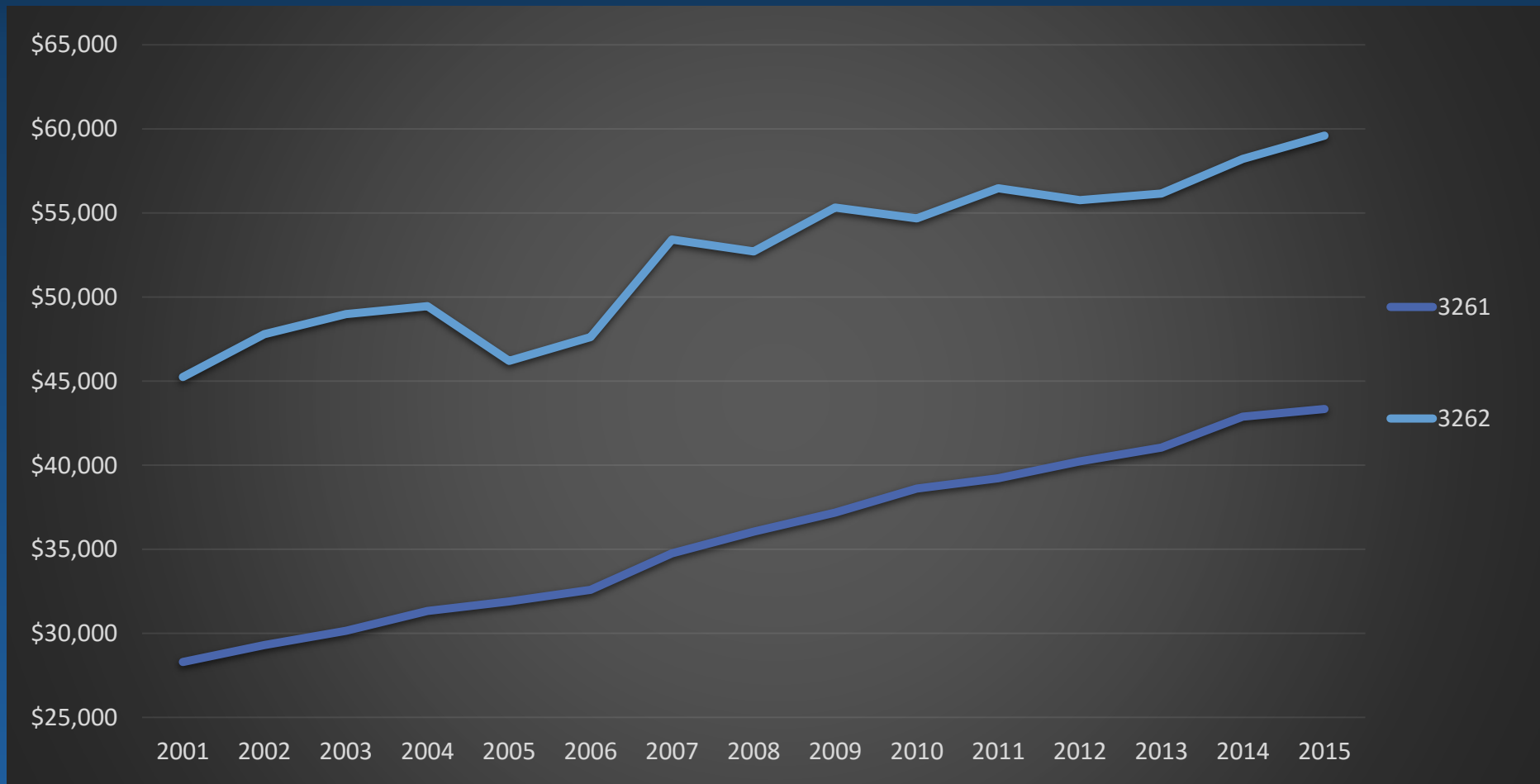
Occupation	Rounded Emp.	Mean Hourly	Mean Annual	Entry Hourly	Entry Annual	Experience Hourly	Experience Annual
Team Assemblers	15,540	\$17.44	\$36,288	\$10.68	\$22,197	\$20.83	\$43,323
Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	2,540	\$15.44	\$32,115	\$10.30	\$21,438	\$18.01	\$37,464
Inspectors, Testers, Sorters, Samplers, and Weighers	2,120	\$16.04	\$33,364	\$9.75	\$20,283	\$19.19	\$39,909
Tire Builders	1,870	\$24.94	\$51,898	\$18.01	\$37,474	\$28.42	\$59,099
Industrial Machinery Mechanics	1,850	\$25.34	\$52,702	\$17.03	\$35,436	\$29.49	\$61,340
Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	1,200	\$16.58	\$34,488	\$10.75	\$22,353	\$19.50	\$40,555
Engine and Other Machine Assemblers	1,010	\$18.86	\$39,223	\$13.06	\$27,172	\$21.76	\$45,258
Computer-Controlled Machine Tool Operators, Metal and Plastic	990	\$17.57	\$36,548	\$12.62	\$26,246	\$20.04	\$41,689
Industrial Engineers	990	\$43.64	\$90,781	\$30.02	\$62,432	\$50.46	\$104,955
Industrial Truck and Tractor Operators	990	\$15.69	\$32,630	\$10.71	\$22,282	\$18.17	\$37,804

Source: 2016 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

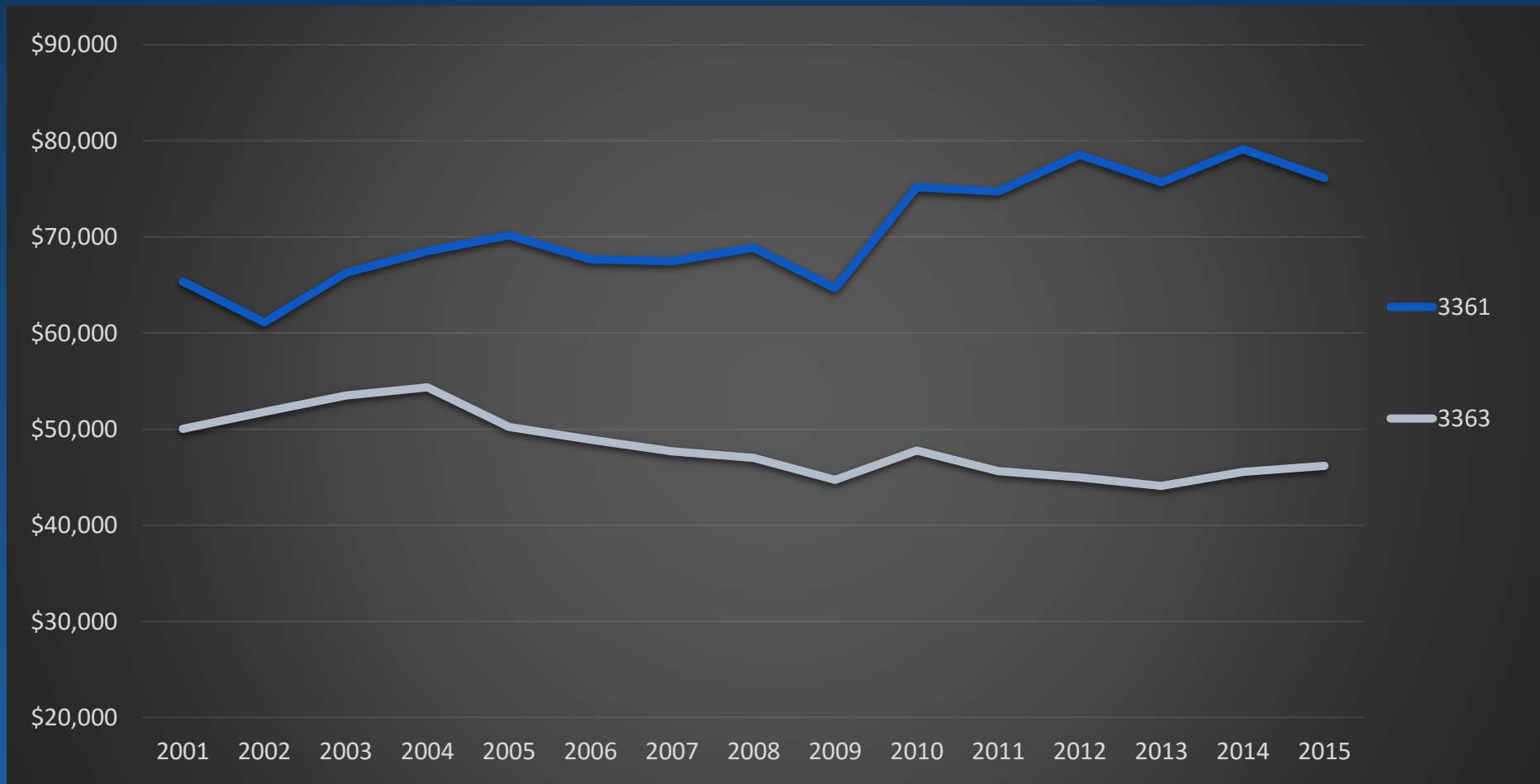
Total Wages by NAICS Code 2001-2015





Wage Information

Total Wages by NAICS Code 2001-2015



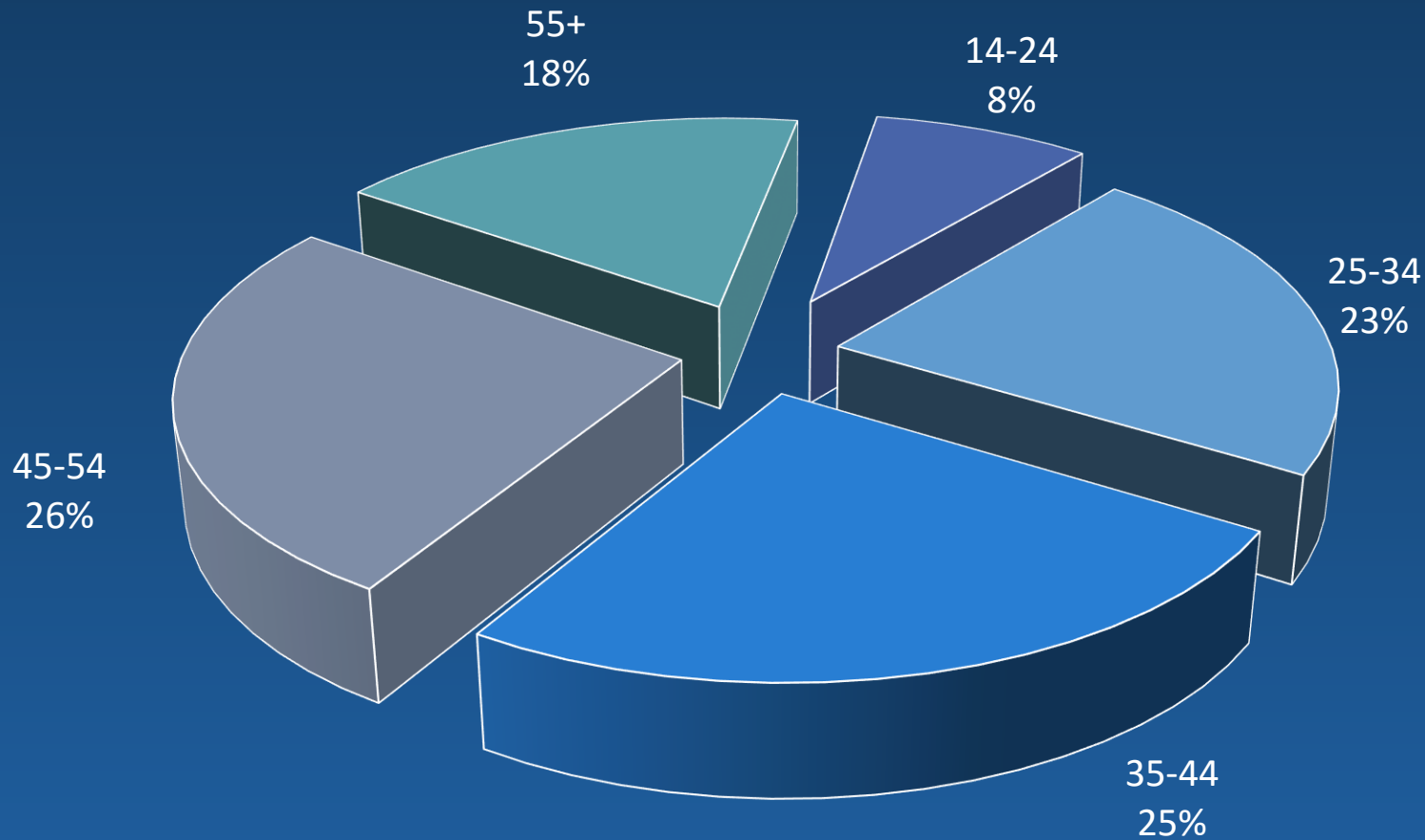


2015 Quarterly Workforce Indicators

NAICS	Industry	Average Turnover Rate	Average Job Gains	Average Net Job Flows	Average Monthly Earnings	Average Monthly Earnings – New Hires
3261	Plastics Product Manufacturing	7.8%	404	210	\$3,718	\$2,862
3262	Rubber Product Manufacturing	4.4%	69	-64	\$4,498	\$3,090
3361	Motor Vehicle Manufacturing	1.8%	64	-30	\$6,895	\$5,105
3363	Motor Vehicle Parts Manufacturing	6.7%	605	251	\$3,841	\$2,871

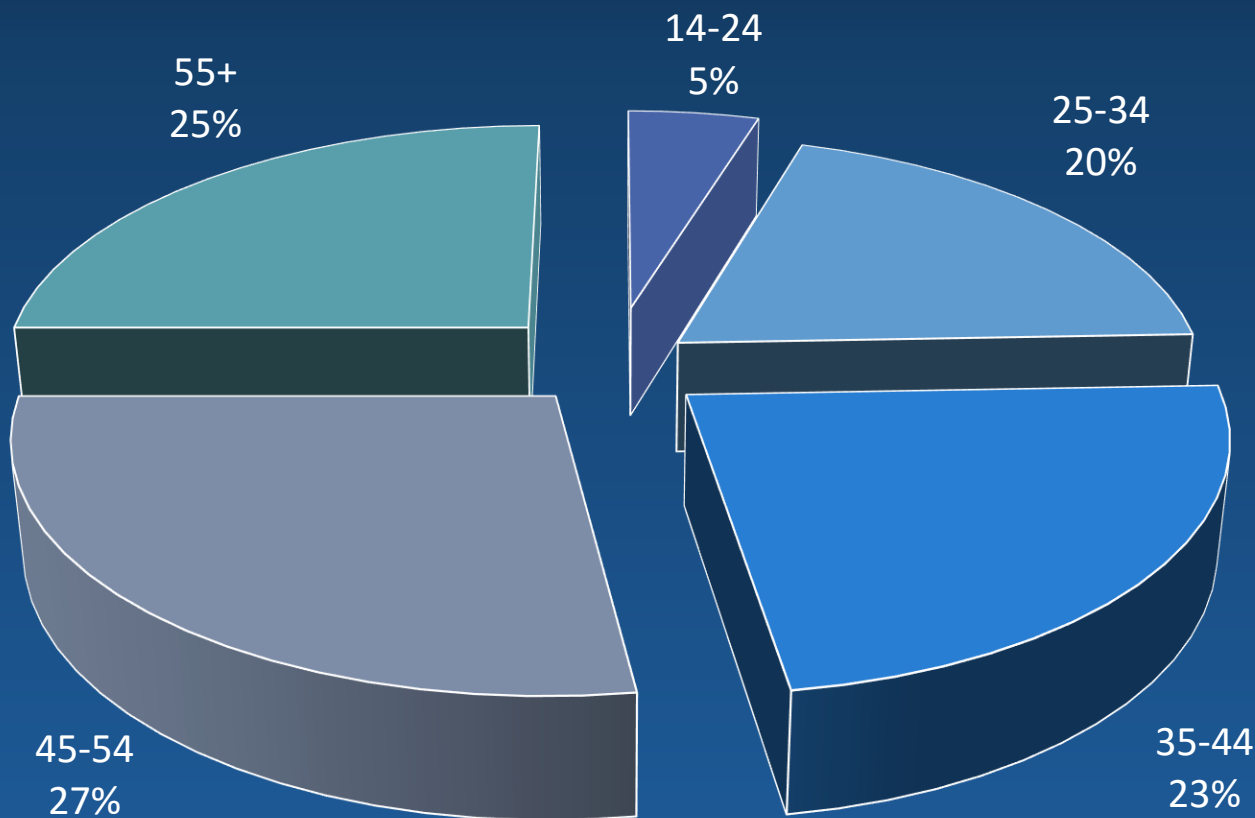


3261 Plastics Product Manufacturing 2015 Average Annual Employment by Age Group



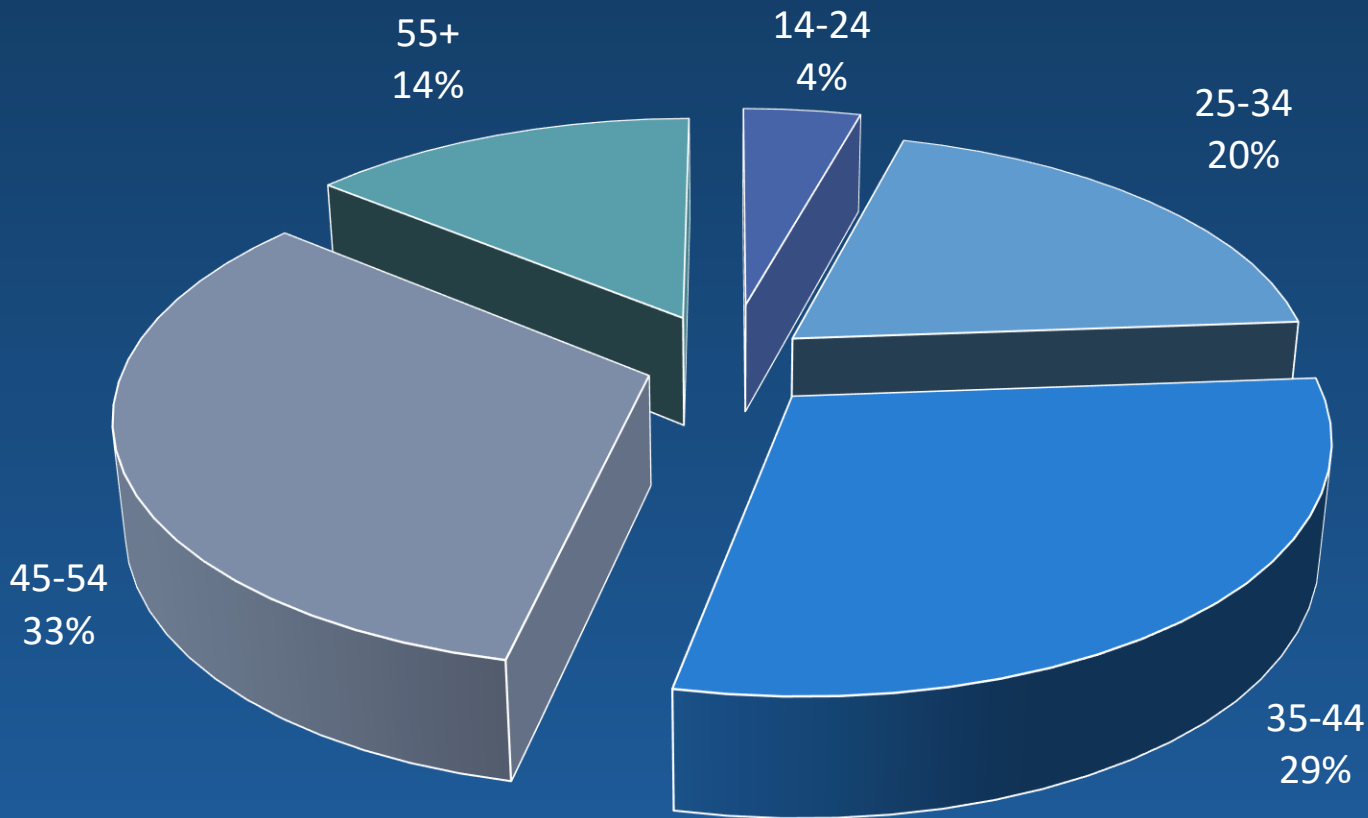


3262 Rubber Product Manufacturing 2015 Average Annual Employment by Age Group



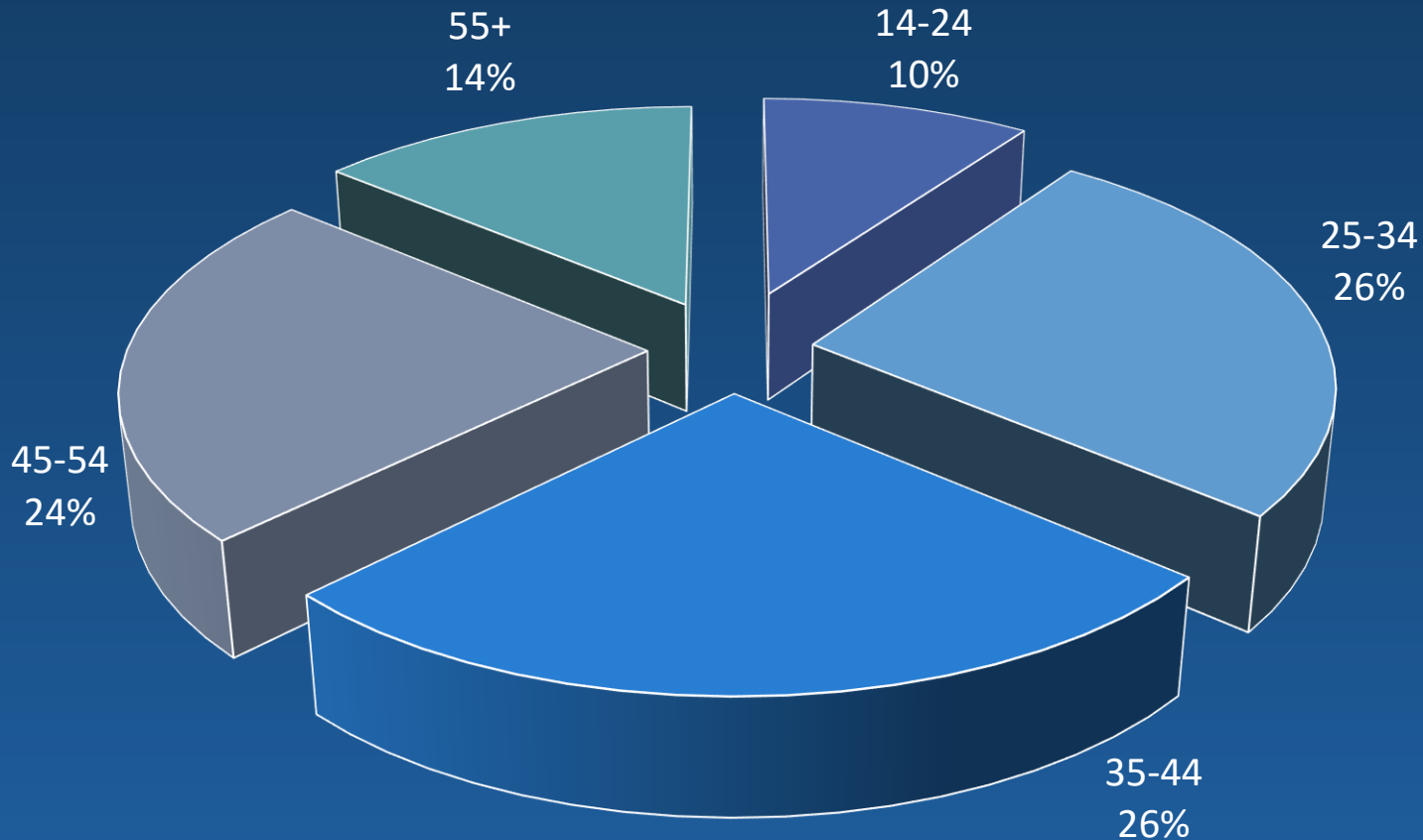


3361 Motor Vehicle Manufacturing 2015 Average Annual Employment by Age Group





3363 Motor Vehicle Parts Manufacturing 2015 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
3261	Plastics Product Manufacturing	10,240	13,430	3,190	31.15	2.75	-1.23	1.37
3262	Rubber Product Manufacturing	4,780	5,320	540	11.30	1.08	-1.73	2.61
3361	Motor Vehicle Manufacturing	12,870	17,060	4,190	32.56	2.86	-0.36	4.69
3363	Motor Vehicle Parts Manufacturing	24,080	32,640	8,560	35.55	3.09	-0.43	3.26



Major Automotive Regions

Automotive Industry Maps:

Statewide

North AlabamaWorks

East AlabamaWorks

West AlabamaWorks

Central Six AlabamaWorks

Central AlabamaWorks

Southeast AlabamaWorks

Southwest AlabamaWorks