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## AUTOMOTIVE MANUFACTURING

### Industry Overview

The Automotive Manufacturing Industry has long been a core industry in Dayton. The economic landscape of Dayton reveals the strategic significance of this industry, with the proliferation of many small and medium-sized enterprises dedicated to providing support services and component parts to the large-scale, anchor operations in the region. Since those fateful days when the industry first took sprout, seeds have blossomed and the industry has evolved. While many of the large-scale, bellwether operations continue to build upon their legacies in Dayton, the region is dotted with new firms tapping into the vast network of component parts manufacturers and service suppliers.

The figures below include establishments from NAICS 336 and various subsectors. These industries produce equipment to transport people and goods. This activity has its very own subsector because of its significant economic impact on the economies of the United States, Canada, and Mexico. These establishments make use of production methods similar to those of other machinery manufacturing establishments, including bending, forming, welding, machining, and assembling metal and plastic parts into components and finished products. In fact, the assembly of components and subassemblies and the additional assembly into finished vehicles are more common in this subsector than in the Machinery Manufacturing subsector.

It should be noted that many firms in the Advanced Manufacturing sector provide services and component parts to the Automotive Industry. Figures below represent those classified solely in the Automotive Industry. A complete picture of the Automotive Industry should incorporate some figures from the Advanced Manufacturing Industry Snapshot.

Source: US Census, 2002 NAICS Definitions

### Regional Profile of Automotive Manufacturing

#### North American Industry Classification System (NAICS)

Industry Code	Industry Description	Employees	Establishments
<b>336</b>	<b>Transportation Equipment Manufacturing</b>	<b>24,249</b>	<b>101</b>
3361	Motor Vehicle Manufacturing	9,853	4
3362	Motor Vehicle Body and Trailer Manufacturing	279	5
3363	Motor Vehicle Parts Manufacturing	13,198	63
33632	Motor Vehicle Electric Equipment	2,789	10
33637	Motor Vehicle Metal Stamping	354	5
33639	Other Motor Vehicle Parts Manufacturing	7,507	27

Source: US bureau of labor Statistics, 2001 Data

The above figures represent the Dayton-Springfield MSA.

# Automotive Manufacturing Fast Facts

- Ohio **ranks #1** in the Production of Auto Air Conditioning Units
- Ohio **ranks #1** in the Production of Electrical Equipment Used in Motor Vehicles
- Ohio **ranks #1** in Steel Products
- Ohio **ranks #1** in Metal Products
- Ohio **ranks #1** in Rubber Products
- Ohio **ranks #2** in Assembled Motor Vehicles
- Ohio **ranks #2** in the Manufacture of Motor Vehicle Parts
- Ohio **ranks #2** in Auto Stampings, Engines, Brakes, and Seating
- **80%** of the North American Industry's Light Vehicles Are Assembled in Ohio or Within 500 Miles of Ohio
- **More than 650,000 Jobs** are in Ohio's Total Motor Vehicle Cluster
- **\$199.2 Billion** in Sales in Ohio's Total Motor Vehicle Cluster

Source: *The Ohio Motor Vehicle Industry Report*, Office of Strategic Research, Ohio Department of Development

## Wage Rates for Selected Occupations in Automotive Manufacturing

SOC Code	Description	Average Hourly Wage	Average Annual Wage
51-1011	First-Line Supervisors / Managers of Production and Operating Workers	\$24.11	\$50,149
51-2022	Electrical and Electronic Equipment Assemblers	\$11.40	\$23,712
51-2031	Engine and Other Machine Assemblers	\$21.28	\$44,262
51-2092	Team Assemblers	\$12.38	\$25,750
51-4011	Computer-Controlled Machine Tool Operators, Metal and Plastic	\$15.42	\$32,074
51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	\$13.03	\$27,102
51-4041	Machinists	\$17.00	\$35,360

Source: *SOC-Based Occupational Wage Estimates*, Labor Market Information, 2001

## Leading Regional Employers

Company	Employment	Location
Delphi Automotive Systems	8,700	Moraine
General Motors Truck Group	4,300	Moraine
International Truck & Engine	2,500	Springfield
Behr America	2,400	Dayton
DMAX, Ltd.	1,000	Moraine
Neaton Auto Products Mfg.	705	Eaton
Blackhawk Automotive Plastics	600	Mason
F&P America Mfg., Inc.	600	Troy
Green Tokai Co. Ltd.	600	Brookville
Elano Corp.	590	Dayton

Source: *Major Employer Directory*, Dayton Area Chamber of Commerce Harris InfoSource

## Industry Support

- **Dayton Area Chamber of Commerce**  
[www.daytonchamber.org](http://www.daytonchamber.org)
- **Dayton Development Coalition**  
[www.thecoalitiononline.com](http://www.thecoalitiononline.com)
- **Edison Materials Technology Center**  
[www.emtec.org](http://www.emtec.org)
- **Dayton Tooling & Machining Association**  
[www.dtma.org](http://www.dtma.org)
- **Advanced Integrated Manufacturing Center**  
[www.aimcenter.org](http://www.aimcenter.org)
- **Wright Technology Network**  
[www.wtn.org](http://www.wtn.org)