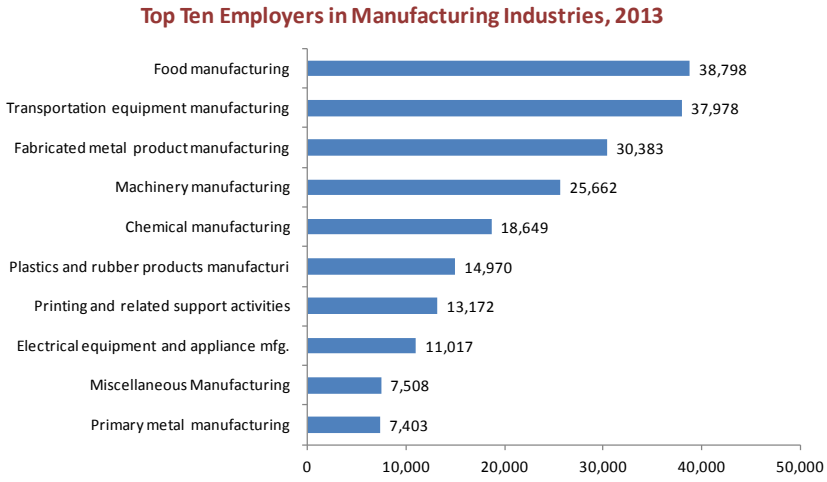


Missouri Economic Indicator Brief: *Manufacturing Industries*

Manufacturing is a major component of Missouri's economy, contributing over $36 billion towards the 2013 gross state product.

Food Manufacturing is the sector's top employing industry for a fourth consecutive year. *Transportation Equipment*, *Fabricated Metals*, *Machinery and Chemical Manufacturing* rounds out the sector's top five employers.



Source: Quarterly Census of Employment and Wages, 2013 Annual Averages

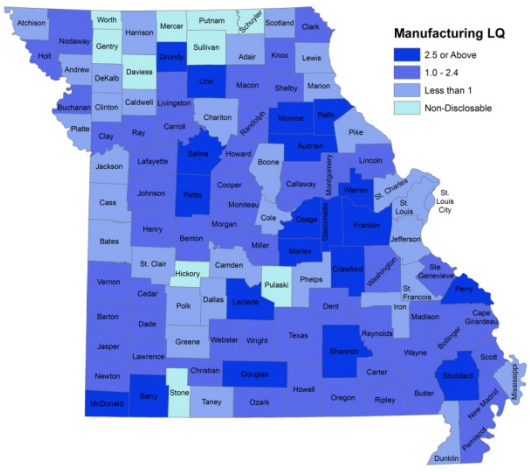
Missouri is home to 6,642 manufacturing firms, which collectively employ 252,724 workers. Manufacturing employment represents 11.4 percent of the total employment in Missouri. Manufacturing wages, for 2013, totaled over $13.3 billion, or 13.9 percent of all Missouri wages paid.

Location Quotient (LQ) compares the regional share of an industry to the national share so that an LQ over 1 indicates sectors of employment concentration. Missouri, with an LQ of 1.07, has a greater share of its workers employed in the manufacturing sector than the nation as a whole. Over two-thirds of Missouri's counties (72) have an LQ over one, demonstrating a greater specialization in manufacturing compared to the nation.

Manufacturing Facts

Employment
252,724
Percent Employment
11.4 Percent
Average Wage
$52,894

Manufacturing Location Quotient



MANUFACTURING INDUSTRIES

Economic Impacts

Manufacturing industries have important direct and indirect economic influences on Missouri's economy. Direct impacts are due to employment in manufacturing firms. Indirect economic benefits are realized through industries that supply raw materials to the manufacturing sector, and businesses that provide goods and services to industry workers.

Economic Impact Analysis of 2013 Manufacturing for Missouri

	Direct	Indirect	Total
Employment	252,724	436,663	689,387
Employee Compensation*	$18.4 Billion	$22.3 Billion	$40.7 Billion
Gross State Product*	$36.3 Billion	$37.2 Billion	$73.5 Billion

*All figures in 2013 Dollars. Source: Minnisota IMPLAN Group, Inc.

Employment Impacts

The Manufacturing sector employed 252,724 workers in 2013. Industries that supported manufacturing or benefitted from worker spending (indirect impacts), employed an additional 436,663 workers. Overall a total of 689,387 people are employed in, or supported by, manufacturing. The employment multiplier for this industry is 2.72.

Labor Income

Manufacturing workers earned an average annual salary of $52,894, which is 18.1 percent more than the state average wage across all industries. Manufacturing firms paid $18.4 billion in compensation, which includes wages and benefits, representing 45.2 percent of the total $40.7 billion in direct and indirect pay.

Gross State Product

Gross State Product takes into account employee compensation, profits and indirect business taxes. Manufacturing and indirect industries together added $73.5 billion, or over 25 percent of Missouri's 2013 gross state product ($276 billion).

In terms of value added per manufacturing worker, each direct employee contributed over $140,000 towards the gross state product of Missouri.

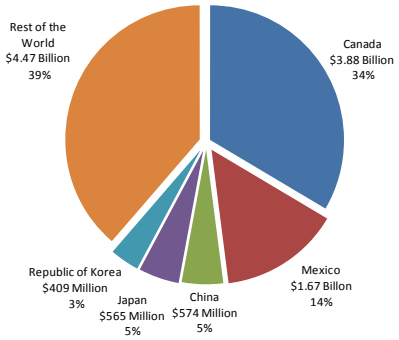


Manufacturing Exports

Missouri's exports for 2013 totaled $11.6 billion, a decrease of 2.5 percent from 2012. Manufacturing exports account for 89 percent of the total export dollars. The top two industries producing exports were *Chemicals* and *Transporation Equipment.* The *Transportation Equipment* industry sector saw a 13.5 percent loss in exports from 2012; one of the subcategories in the sector that had growth was *Motor Vehicle Parts Manufacturing* which experienced 7.9 percent growth. The *Chemical Manufacturing* industry sector had a 5.7 percent increase in exports, in part due to a 27 percent increase in the basic chemicals subsector.

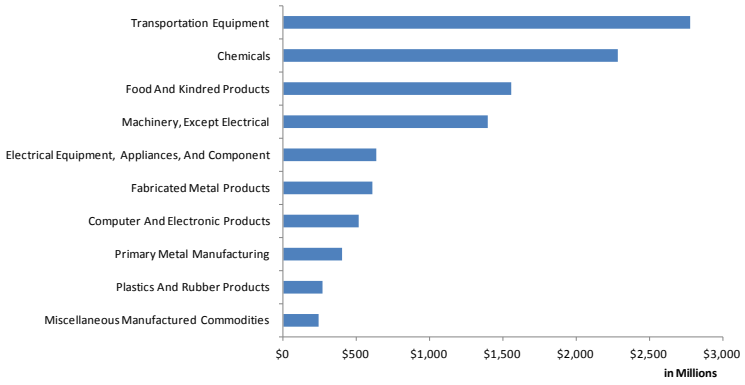
Top Missouri Manufacturing Exports in 2013

By Country



Source: Missouri Exports Annual 2013 Data, WISER Trade Database

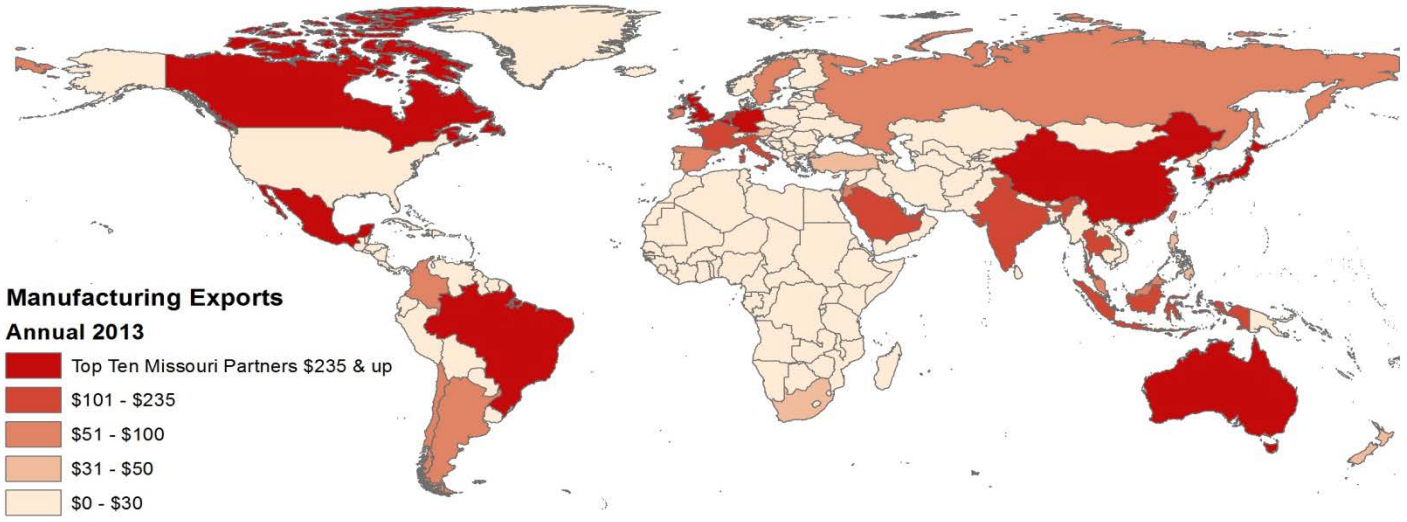
By Industry



Source: Missouri Exports Annual 2013 Data, WISER Trade Database

The top ten country destinations for Missouri exports received over $8.5 billion of manufactured goods in 2013. Major countries with the largest increase of exports from Missouri were India (28 percent), Indonesia (25 percent), and Mexico (16 percent).

Missouri Manufacturing Exports to the World in 2013



MANUFACTURING INDUSTRIES

Notes:

Employment numbers were obtained from the Quarterly Census of Employment and Wages, 2013, Bureau of Labor Statistics. Industries are classified into the North American Industry Classification System (NAICS).

Location quotients were generated for manufacturing industries using 2013 annual Bureau of Labor Statistics data.

The economic impact analysis was generated using the Minnesota IMPLAN Group, Inc. model. Indirect effects include both intermediate and induced effects.

2013 Missouri manufacturing export data was obtained from the World Institute for Strategic Economic Research (WISER) Trade database.



NAICS	Industry Description
311	Food Products
312	Beverage and Tobacco Products
313	Textile Mills
314	Textile Product Mills
315	Apparel
316	Leather and Allied Products
321	Wood Products
322	Paper
323	Printing
324	Petroleum and Coal Products
325	Chemicals
326	Plastics and Rubber Products
327	Nonmetallic Mineral Products
331	Primary Metal
332	Fabricated Metal Products
333	Machinery
334	Computer and Electronic Products
335	Electrical Equipment
336	Transporation Equipment
337	Furniture
339	Miscellaneous

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