

# Chicago Fed Midwest Manufacturing Index

## Midwest Manufacturing Output Decreased in September

**Embargoed for release:  
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7:30 am Central Time**

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The Chicago Fed Midwest Manufacturing Index (CFMMI) decreased 0.4% in September, to a seasonally adjusted level of 93.4 (2007 = 100). Revised data show the index was down 1.8% in August. The Federal Reserve Board’s industrial production index for manufacturing (IPMFG) increased 0.2% in September. Regional output rose 8.5% in September from a year earlier, and national output increased 3.5%.

Production in three of the four regional sectors decreased in September:

- Regional auto sector production declined 2.2%;
- Regional machinery sector production decreased 0.3%;
- Regional steel sector output moved down 0.1%; and
- Regional resource sector output increased 0.9%.

The region’s auto sector production declined 2.2% in September after decreasing 5.3% in August. National auto output moved down 0.5% in September. The Midwest’s automotive output was up 16.4% in September relative to its year-ago level, and national automotive output was up 9.4%.

The Midwest’s machinery sector production decreased 0.3% in September after moving down 0.2% in August. By contrast, the nation’s machinery production increased 0.3% in September. Regional machinery output was up 8.1% in September from its year-ago level, and national machinery output was up 3.7%.

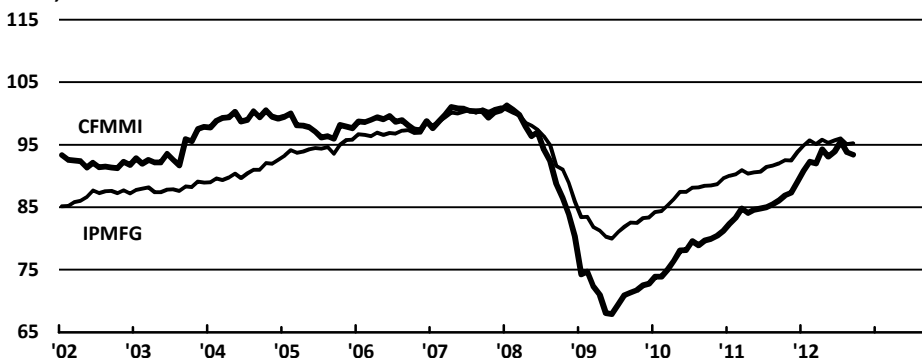
The region’s steel sector output moved down 0.1% in September, following a 0.9% decrease in the previous month. The nation’s steel output was unchanged in September. Regional steel output was up 8.1% from its September 2011 level, and national steel output was up 5.5%.

The Midwest resource sector’s output increased 0.9% in September after it was unchanged in August. The national resource sector’s output was up 0.5% in September. Production in all five of the regional resource sector’s subsectors (food, wood, paper, chemical, and nonmetallic mineral) increased from August to September. Compared with a year ago, regional resource output was up 2.6% in September, and national resource output was up 1.2%.

— *William A. Strauss • Senior Economist and Economic Advisor • 312-322-8151*

### Chicago Fed Midwest Manufacturing Index

Index, 2007=100



**The next CFMMI will be released:  
November 27, 2012  
8:30 am Eastern Time  
7:30 am Central Time**

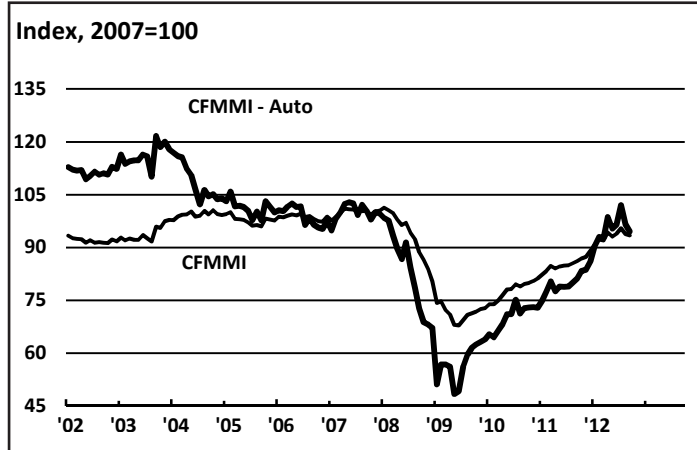
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#### Manufacturing Output Indexes

	percent change from		
	1 month ago	3 months ago	1 year ago
Chicago Fed Midwest Manufacturing Index (CFMMI)	-0.4	-0.5	8.5
US Industrial Production-Manufacturing (IPMFG)	0.2	-0.4	3.5

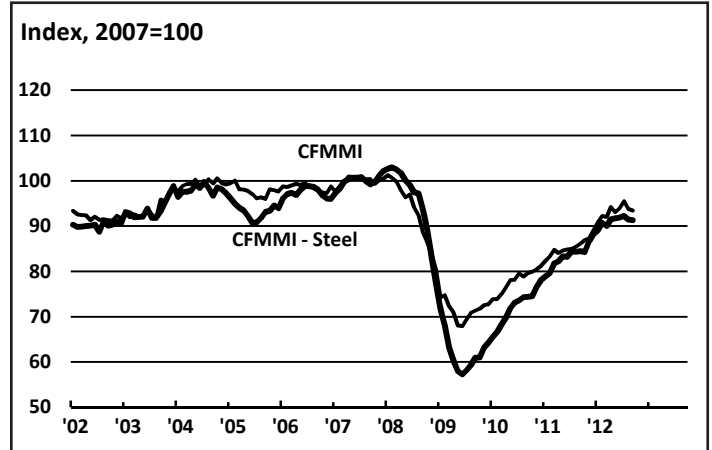
# Tracking Midwest Manufacturing Activity by Sectors — September

## Auto Sector



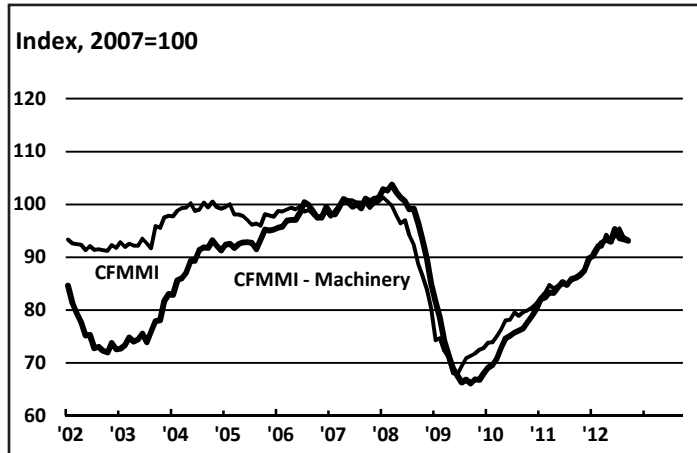
Auto Sector CFMMI Components:  
Plastics and Rubber Products; Transportation Equipment

## Steel Sector



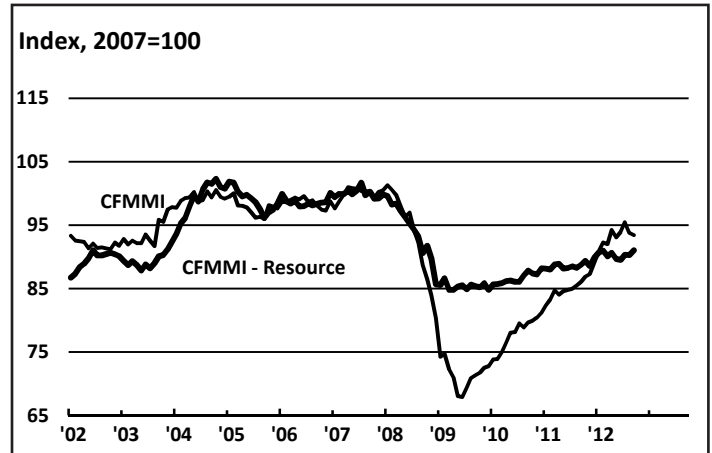
Steel Sector CFMMI Components:  
Primary Metal Industries; Fabricated Metal Products

## Machinery Sector



Machinery Sector CFMMI Components:  
Machinery; Computer and Electronic Products; Electrical Equipment, Appliance, and Components Manufacturing

## Resource Sector



Resource Sector CFMMI Components:  
Food; Wood Products; Paper; Chemicals; Nonmetallic Mineral Products

### Manufacturing Activity: Summary Table

	Index, 2007=100			Percentage Change			
	Jul 12	Aug 12	Sep 12	Monthly			Annual
				Jul 12	Aug 12	Sep 12	Sep 11 - Sep 12
CFMMI	95.5	93.8	93.4	1.7	-1.8	-0.4	8.5
CFMMI - Auto	102.0	96.6	94.5	5.8	-5.3	-2.2	16.4
CFMMI - Steel	92.2	91.4	91.3	0.4	-0.9	-0.1	8.1
CFMMI - Machinery	93.6	93.4	93.1	-1.9	-0.2	-0.3	8.1
CFMMI - Resource	90.3	90.3	91.1	0.9	0.0	0.9	2.6
IPMFG	96.0	95.1	95.3	0.3	-1.0	0.2	3.5

The Chicago Fed Midwest Manufacturing Index (CFMMI) is a monthly estimate of manufacturing output in the region by major industry. The Midwest is defined as the five states comprising the Seventh Federal Reserve District: Illinois, Indiana, Iowa, Michigan, and Wisconsin. The CFMMI is a composite index of 15 manufacturing industries (identified by 3-digit NAICS codes) that uses hours worked data to measure monthly changes in regional activity. The CFMMI provides a regional comparison with the manufacturing component of the Industrial Production Index (IPMFG) compiled by the Federal Reserve Board. Although the IPMFG is constructed differently than the CFMMI, it also uses hours worked data as measures of industry output for about 60 percent of its total production index.

CFMMI and IPMFG historical data are available on the Federal Reserve Bank of Chicago's website at <http://www.chicagofed.org>.