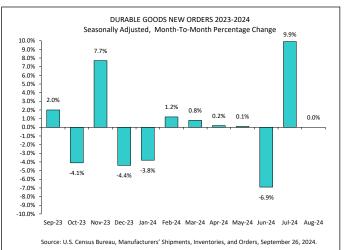
FOR RELEASE AT 8:30 AM EDT, THURSDAY, SEPTEMBER 26, 2024

MONTHLY ADVANCE REPORT ON DURABLE GOODS MANUFACTURERS' SHIPMENTS, INVENTORIES AND ORDERS AUGUST 2024

Release Number: CB 24-154 M3-1 (24)-08

September 26, 2024 — The U.S. Census Bureau announces the August advance report on durable goods manufacturers' shipments, inventories and orders:





New Orders

New orders for manufactured durable goods in August, up six of the last seven months, increased \$0.1 billion or virtually unchanged to \$289.7 billion, the U.S. Census Bureau announced today. This followed a 9.9 percent July increase. Excluding transportation, new orders increased 0.5 percent. Excluding defense, new orders decreased 0.2 percent. Electrical equipment, appliances, and components, up two of the last three months, drove the increase, \$0.3 billion or 1.9 percent to \$14.4 billion.

Shipments

Shipments of manufactured durable goods in August, down following two consecutive monthly increases, decreased \$1.6 billion or 0.5 percent to \$289.4 billion. This followed a 1.1 percent July increase. Transportation equipment, also down following two consecutive monthly increases, drove the decrease, \$1.9 billion or 1.9 percent to \$97.1 billion.

Data Inquiries

Economic Indicators Division, Shipments, Inventories, and Orders Branch (M3) 301-763-4832 eid.m3.qs@census.gov

Media Inquiries
Public Information Office
301-763-3030
pio@census.gov



Unfilled Orders

Unfilled orders for manufactured durable goods in August, up forty-eight of the last forty-nine months, increased \$5.0 billion or 0.4 percent to \$1,391.4 billion. This followed a 0.2 percent July increase. Transportation equipment, up forty-three of the last forty-four months, led the increase, \$4.2 billion or 0.5 percent to \$896.5 billion.

Inventories

Inventories of manufactured durable goods in August, up four of the last five months, increased \$0.5 billion or 0.1 percent to \$529.8 billion. This followed a 0.1 percent July increase. Transportation equipment, up twelve of the last thirteen months, led the increase, \$0.2 billion or 0.1 percent to \$172.3 billion.

Capital Goods

Nondefense new orders for capital goods in August decreased \$1.2 billion or 1.3 percent to \$91.0 billion. Shipments decreased \$1.5 billion or 1.6 percent to \$88.3 billion. Unfilled orders increased \$2.7 billion or 0.3 percent to \$842.6 billion. Inventories increased \$0.4 billion or 0.2 percent to \$232.9 billion. Defense new orders for capital goods in August increased \$0.8 billion or 5.3 percent to \$16.0 billion. Shipments decreased \$0.2 billion or 1.5 percent to \$14.5 billion. Unfilled orders increased \$1.5 billion or 0.7 percent to \$204.6 billion. Inventories increased \$0.1 billion or 0.5 percent to \$25.7 billion.

Revised July Data

Revised seasonally adjusted July figures for all manufacturing industries were: new orders, \$591.8 billion (revised from \$592.1 billion); shipments, \$593.3 billion (revised from \$593.8 billion); unfilled orders, \$1,386.5 billion (revised from \$1,386.3 billion) and total inventories, \$859.1 billion (revised from \$859.4 billion).

Revised and more detailed estimates, plus nondurable goods data, will be published on October 3, 2024, at 10:00 a.m. EDT. The Advance Report on durable goods for September is scheduled for release on October 25, 2024, at 8:30 a.m. EDT. View the full schedule in the Economic Briefing Room:

<<u>www.census.gov/economic-indicators/</u>>. The full text and tables of this release can be found at <<u>www.census.gov/m3</u>>.

EXPLANATORY NOTES

Figures in text are adjusted for seasonality, but not for inflation. Figures on new and unfilled orders exclude data for semiconductor manufacturing.

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"Virtually unchanged" indicates that the change is less than 0.05 percent for a percent increase or decrease.

The Census Bureau has reviewed this data product to ensure appropriate access, use, and disclosure avoidance protection of the confidential source data (Project No. P-6000307, Disclosure Review Board (DRB) approval number: CBDRB-FY24-0254).

Description of the survey

This report is compiled from results of the U.S. Census Bureau's Manufacturers' Shipments, Inventories, and Orders (M3) survey, which is a voluntary survey authorized by Title 13 of the United States Code. This survey provides statistics on a calendar-month basis for manufacturers' value of shipments, new orders (net of cancellations), end-of-month order backlog (unfilled orders), end-of-month total inventory (at current cost or market value), and inventories by stage of fabrication (materials and supplies, work-inprocess, and finished goods). Data published from the M3 survey are based on a panel of approximately 5,000 reporting units that represent approximately 3,100 companies and provide an indication of monthto-month change for the Manufacturing Sector. These reporting units may be divisions of diversified large companies, large homogenous companies, or single-unit manufacturers in 92 industry categories, which are combined into 65 publication levels due to the small monthly panel size. The survey methodology assumes that the month-to-month changes of the total operations of the reporting units in the M3 panel effectively represent the month-to-month movements of all establishments that make up the category. The companies for which shipments data are currently reported or imputed in the M3 survey represent approximately 60 percent of the total value of shipments for manufacturing establishments in the 2017 Economic Census, and these companies include roughly 61 percent of the manufacturing companies with \$500 million or more in shipments in the 2017 Economic Census. The companies for which shipments data are currently reported in the M3 survey represent approximately 51 percent of the total value of shipments for manufacturing establishments in the 2017 Economic Census. Statistics based on the M3 panel differ from the results that would be obtained from a complete enumeration of all manufacturing companies. The M3 panel is not based on a probability sample; therefore, the sampling errors that are normally provided with sample surveys cannot be measured. Nonsampling errors are attributable to many sources. The use of company or divisional reports to estimate the monthly change for establishments is one source of nonsampling error. The use of primarily large companies to represent the month-to-month movement of all companies is another potential source. Any corrections will be published in the full report. Corrections received after the full report will be released in the next month's advance report. Any

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Economic Indicators Division, Shipments, Inventories, and Orders Branch (M3)

revisions made later than two months will be reflected in the annual benchmark publication. Additional survey documentation can be found on our web site:

<www.census.gov/manufacturing/m3/how the data are collected/index.html>.

Special Notice:

As part of the ongoing effort to improve the Advance Total Manufacturing estimates, the October 25, 2024 release of the September 2024 data will include the addition of the Food products and Chemical products early shipments and inventories estimates from the monthly Manufacturers' Shipments, Inventories and Orders survey. These estimates will be available on both a seasonally adjusted and not seasonally adjusted basis and will be included on the M3 website under the "Latest Monthly Advance report on Manufacturers' Shipments, Inventories and Order", Monthly Advance Report on Durable Goods Manufacturers' Shipments Inventories and Orders - Press Releases (census.gov).

RESOURCES

API

The Census Bureau's application programming interface (API) lets developers create custom apps to reach new users and makes key demographic, socio-economic and housing statistics more accessible than ever before.

<www.census.gov/developers/>

FRED Mobile App



Receive the latest updates on the nation's key economic indicators by downloading the FRED App < https://fred.stlouisfed.org/fred-mobile/ for both Apple and Android devices. FRED, the signature database of the Federal Reserve Bank of St.

Louis, now incorporates the Census Bureau's 13 economic indicators.

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Table 1. Durable Goods Manufacturers' Shipments and New Orders ¹

LESCHHALES ARE SHOWN IN HIMMONS OF GO	Ollars and are based on data from the Manufacturers' Shipments, Inventories, and Orders Survey.] Seasonally Adjusted Not Seasonally Adjusted											
ltem	Monthly			Percent Change			Monthly			Year to Date		
	Aug 2024 ²	Jul 2024 ^r	Jun 2024	Jul - Aug ²	Jun - Jul ^r	May - Jun	Aug 2024 ²	Jul 2024 ^r	Aug 2023	2024	2023	Percent Change 2024/2023
DURABLE GOODS												
Total:												
Shipments	289,442 289,720	291,032	288,007	-0.5 0.0	1.1 9.9	1.2 -6.9	298,886	-		2,278,256		1.7 -1.3
New Orders ⁴	269,720	289,587	263,541	0.0	9.9	-0.9	289,426	269,128	290,578	2,232,757	2,261,615	-1.5
Excluding transportation:	102 262	192,034	192,276	0.2	-0.1	-0.2	199,547	188,607	201,475	1,544,836	1,529,223	1.0
Shipments New Orders ⁴	192,363 188,477	187,553	187,763	0.2	-0.1	0.1	191,733	182,986	192,394	1,544,630		1.0
Excluding defense:												
Shipments	272,486	273,799	271,497	-0.5	0.8	1.5	282,099	258,094	282,656	2,147,930	2,120,140	1.3
New Orders ⁴	270,998	271,647	246,276	-0.2	10.3	-7.5	271,974	255,217	276,259	2,107,788	2,135,278	-1.3
Manufacturing with unfilled orders:												
Shipments	202,691	205,106	200,041	-1.2		2.3	,		204,700	1,582,641		
New Orders	207,650	208,381	180,341	-0.4	15.5	-9.3	202,507	193,100	201,931	1,573,597	1,612,934	-2.4
Primary metals:	26.224	26.254	26 540	0.5	0.6	0.5	27 204	26.007	20.422	24.6.007	240.460	0.5
Shipments New Orders	26,234 26,530	26,354 26,490	26,519 26,702	-0.5 0.2	-0.6 -0.8	-0.5 -0.5	27,381 27,036	26,097 26,133	28,123 27,589	216,987 217,985		
Fabricated metal products:	,	ŕ	ŕ				ŕ	ŕ	·	,	·	
Shipments	36,428	36,325	36,268	0.3	0.2	0.0	38,220	35,881	38,230	293,295	285,573	2.7
New Orders	36,602	36,380	36,164	0.6	0.6	0.0	37,781	35,763	37,741	297,024	289,719	2.5
Machinery:												
Shipments	38,029	37,841	38,088	0.5	-0.6	0.3	,	36,757	39,553	306,465		
New Orders	37,884	37,683	37,720	0.5	-0.1	1.1	37,963	36,484	38,243	304,635	302,675	0.6
Computers and electronic products ⁴ : Shipments	29,374	29,446	29,392	-0.2	0.2	-0.4	29,344	27,571	29,529	228,541	226,594	0.9
New Orders	25,121	25,012	25,392 25,100	0.4	-0.4	0.3	29,344 24,084	27,571	23,307	192,415		3.0
Computers and related products:		,	,				,	,	,	,	,	
Shipments	2,284	2,266	2,208	0.8	2.6	-3.2	2,365	2,113	2,070	17,437	15,474	12.7
New Orders	2,289	2,296	2,231	-0.3	2.9	-2.1	2,370	2,143	2,057	17,511	15,475	13.2
Communications equipment:												
Shipments	3,034	3,067	3,063	-1.1	0.1	2.0	2,705	2,719	2,698	23,137		
New Orders	3,017	3,037	3,102	-0.7	-2.1	2.3	2,663	2,433	2,567	22,114	22,192	-0.4
Electrical equipment, appliances,												
and components: Shipments	14,263	14,194	14,136	0.5	0.4	-0.4	14,924	13,575	15,006	113,867	112,044	1.6
New Orders	14,434	14,165	14,225	1.9	-0.4	0.7	14,737	13,447	14,944	114,367	113,522	0.7
Transportation equipment:	07.070	00.000	05 721	1.0	2.4	4.2	00.220	04.010	00.000	722 420	711 140	2.4
Shipments New Orders	97,079 101,243	98,998 102,034	95,731 75,778	-1.9 -0.8	3.4 34.6	4.2 -20.6	99,339 97,693	84,919 86,142	96,886 98,184	733,420 720,600		
Motor vehicles and parts:							51,523	23,2	55,25		, , = = -	
Shipments	61,999	61,797	63,991	0.3	-3.4	-0.8	66,536	54,077	68,925	503,513	495,344	1.6
New Orders	61,809	61,712	63,941	0.2	-3.5	-0.8	66,166	53,965	68,826	501,823	494,720	1.4
Nondefense aircraft and parts ⁵ :												
Shipments	19,004	20,965	16,165	-9.4	29.7	41.2	16,652		12,435	105,231	94,930	10.9
New Orders	21,880	23,651	-4,195	-7.5	(NA)	-126.9	14,634	19,167	14,788	101,367	146,851	-31.0
Defense aircraft and parts:	4.054	5 000	4.007	4.2	4.2	- 0	4.007	4.560	4.706	20.026	25.050	5.0
Shipments New Orders	4,961 6,027	5,028 5,561	4,827 4,842	-1.3 8.4	4.2 14.8	-5.8 -4.8	4,987 6,194	4,569 4,524	4,796 5,378	39,036 37,383		
	3,527	3,332	.,6				5,25	.,6	5,515	0.7000	,55	
All other durable goods: Shipments	48,035	47,874	47,873	0.3	0.0	-0.4	50,647	48,726	51,034	385,681	383,765	0.5
New Orders	47,906	47,823	47,852	0.2	-0.1	-0.5	50,132	48,564	50,570	385,731	383,208	0.7
Capital goods ³ :												
Shipments	102,748	104,441	99,673	-1.6		4.8	100,865	95,249	96,556	769,019	749,005	
New Orders	106,981	107,388	79,698	-0.4	34.7	-18.5	98,067	95,744	95,678	757,462	804,337	-5.8
Nondefense capital goods:												
Shipments	88,252	89,723		-1.6		6.2	86,579		83,193	•		
New Orders	90,996	92,214	64,880	-1.3	42.1	-22.8	82,907	84,355	83,615	652,013	697,470	-6.5
Excluding aircraft:	70 740	72.644	72.000	2.4	2.1	2.0	74 202	70.440	75 404	F00 707	F0C 225	0.0
Shipments New Orders	73,746 73,705	73,644 73,550	73,909 73,690	0.1 0.2	-0.4 -0.2	0.0 0.6	74,302 72,577	70,418 69,776	75,491 73,585	589,797 587,757		
	, 5, 7 0 5	, 5,550	, 5,050	0.2	0.2	0.0	, 2,3 , ,	55,770	, 3,303	301,131	330,003	
Defense capital goods: Shipments	14,496	14,718	14,070	-1.5	4.6	-2.9	14,286	13,043	13,363	111,149	102,920	8.0
New Orders	15,985	15,174	14,818	5.3		7.7		*	-	-		
	<u> </u>											<u> </u>

^r Revised data due to late receipts and concurrent seasonal adjustment.

¹ Estimates of shipments and new orders are for the duration of the period, while estimates of unfilled orders and total inventories are for the end of the period. Not seasonally adjusted estimates of shipments and new orders include adjusted data for non-calendar reporters. Seasonally adjusted estimates include concurrent adjustments for holiday and trading-day differences, where appropriate,

as well as seasonal variation, based on the results of the latest annual review of the model parameters. Estimates are not adjusted for price changes.

Based on advance sample. Estimates of manufacturers' shipments, inventories, and orders are subject to survey error and revision. One major component of survey error is nonsampling error, which includes errors of coverage, response and nonreporting. Since the survey panel is not a probability sample, estimates of sampling error cannot be calculated. For further details on survey design, methodology, and data limitations, see http://www.census.gov/manufacturing/m3.

³ The Capital Goods Industries include Nondefense: small arms and ordnance; farm machinery and equipment; construction machinery; mining, oil, and gas field machinery; industrial machinery; vending, laundry, and other machinery; photographic equipment; metalworking machinery; turbines and generators; other power transmission equipment; pumps and compressors; material handling equipment; all other machinery; electronic computers; computer storage devices; other computer peripheral equipment; communications equipment; search and navigation equipment; electromedical, measuring, and control instruments; electrical equipment; other electrical equipment, appliances, and components; heavy duty trucks; aircraft; railroad rolling stock; ships and boats; office and institutional furniture; and medical equipment and supplies. Defense Capital Goods include: small arms and ordnance, communications equipment, aircraft; missiles, space vehicles, and parts, ships and boats, and search and navigation equipment.

⁴ Estimates and percent changes of shipments and inventories for the semiconductor industry are included in computers and electronic products, and all other applicable aggregate totals. Estimates and percent changes for new orders and unfilled orders exclude semiconductor industry data.

⁵ (NA) - New Orders month-to-month percent change is not provided for Nondefense aircraft and parts because the denominator has a negative value.

The Census Bureau has reviewed this data product to ensure appropriate access, use, and disclosure avoidance protection of the confidential source data (Project No. P-6000307, Disclosure Review Board (DRB) approval number: CBDRB-FY24-0254). Source: U.S. Census Bureau, Manufacturers' Shipments, Inventories, and Orders (M3) Survey, August Advance Report, September 26, 2024. Information on data sources and methodology can be found on our website at www.census.gov/manufacturing/m3/how_the_data_are_collected/index.html.

Table 2. Durable Goods Manufacturers' Unfilled Orders and Total Inventories ¹

[Estimates are shown in millions of dollars and are based on data from the Manufacturers' Shipments, Inventories, and Orders Survey.]

LESCHMALES are Shown in millions of dollars	s and are based on data from the Manufacturers' Shipments, Inventories, and Orders S Seasonally Adjusted						Survey.] Not Seasonally Adjusted				
	Monthly				Percent Change	e		Percent			
ltem	Aug 2024 ²	Jul 2024 ^r	Jun 2024	Jul - Aug ²	Jun - Jul ^r	May - Jun	Aug 2024 ²	Jul 2024 ^r	Aug 2023	Change 2024/ 2023	
DURABLE GOODS											
Total: Unfilled Orders ⁴ Total Inventories	1,391,445 529,781	1,386,486 529,323	1,383,211 529,019		0.2 0.1	-1.4 -0.1	1,384,167 531,926	1,388,865 532,077	1,330,509 525,519		
Excluding transportation: Unfilled Orders ⁴ Total Inventories	494,964 357,455	494,169 357,174	493,930 357,084		0.0 0.0		493,659 357,787	496,711 358,402	496,233 358,984		
Excluding defense: Unfilled Orders ⁴ Total Inventories	1,152,955 498,680	1,149,762 498,384	1,147,194 497,997		0.2 0.1	-1.8 -0.1	1,147,910 500,683	, ,			
Manufacturing with unfilled orders: Unfilled Orders Total Inventories	1,391,445 430,246	1,386,486 429,368	1,383,211 429,150	0.4 0.2	0.2 0.1	-1.4 -0.1	1,384,167 431,871	1,388,865 432,082	1,330,509 424,989		
Primary metals: Unfilled Orders Total Inventories	39,694 45,471	39,398 45,492	39,262 45,433			0.5 -0.1	39,309 45,477	39,654 45,719		3.9 -1.6	
Fabricated metal products: Unfilled Orders Total Inventories	129,146 64,638	128,972 64,574	128,917 64,586		0.0 0.0		130,401 64,792	130,840 65,298	•		
Machinery: Unfilled Orders Total Inventories	133,151 94,468	133,296 94,375	133,454 94,368		-0.1 0.0	-0.3 -0.1	132,494 94,032	133,562 94,018	137,945 94,644	-4.0 -0.6	
Computers and electronic products ⁴ : Unfilled Orders Total Inventories	136,637 55,010	136,209 54,885	135,923 54,965		0.2 -0.1	0.3 -0.3	135,508 55,301	136,006 55,181	133,523 55,410		
Computers and related products: Unfilled Orders Total Inventories	1,346 3,290	1,341 3,301	1,311 3,349				1,346 3,405	1,341 3,334	1,284 3,673	4.8 -7.3	
Communications equipment: Unfilled Orders Total Inventories	17,424 4,957	17,441 4,953	17,471 4,964	-0.1 0.1	-0.2 -0.2	0.2 -0.3	17,104 5,062	17,146 4,972	16,840 5,116		
Electrical equipment, appliances, and components: Unfilled Orders Total Inventories	43,889 25,853	43,718 25,893	43,747 25,958		-0.1 -0.3	0.2 -0.5	43,695 26,129	•	43,893 26,594		
Transportation equipment: Unfilled Orders Total Inventories	896,481 172,326	892,317 172,149	889,281 171,935	0.5 0.1	0.3 0.1	-2.2 -0.2	890,508 174,139	,	•		
Motor vehicles and parts: Unfilled Orders Total Inventories	34,299 53,621	34,489 53,829	34,574 53,657			-0.1 0.1	33,434 54,400	33,804 54,636	34,317 54,529	-2.6 -0.2	
Nondefense Aircraft and parts: Unfilled Orders Total Inventories	650,259 84,135	647,383 83,911	644,697 83,706		0.4 0.2	-3.1 -0.6	647,244 84,830		582,636 78,544		
Defense Aircraft and parts: Unfilled Orders Total Inventories	71,518 14,234	70,452 14,227	69,919 14,231		0.8 0.0		71,065 14,271	69,858 14,251	71,936 14,124		
All other durable goods: Unfilled Orders Total Inventories	12,447 72,015	12,576 71,955	12,627 71,774		-0.4 0.3	-0.2 0.3	12,252 72,056	· · · · · · · · · · · · · · · · · · ·	12,475 71,136		
Capital goods ³ : Unfilled Orders Total Inventories	1,047,235 258,602	1,043,002 258,032	1,040,055 257,864		0.3 0.1	-1.9 -0.1	1,041,589 260,242		989,218 252,400		
Nondefense capital goods: Unfilled Orders Total Inventories	842,635 232,914	839,891 232,476	837,400 232,220		0.3 0.1	-2.4 -0.2	838,659 234,449	,	780,029 227,969		
Excluding aircraft: Unfilled Orders Total Inventories	265,865 163,414	265,906 163,167	266,000 163,033		0.0 0.1	-0.1 0.1	264,617 164,132	266,342 163,613	270,424 163,368		
Defense capital goods: Unfilled Orders Total Inventories	204,600 25,688	203,111 25,556	202,655 25,644		0.2 -0.3	0.4 0.7	202,930 25,793		· ·	-3.0 5.6	

r Revised data due to late receipts and concurrent seasonal adjustment.

¹ Estimates of shipments and new orders are for the duration of the period, while estimates of unfilled orders and total inventories are for the end of the period. Not seasonally adjusted estimates of shipments and new orders include adjusted data for non-calendar reporters. Seasonally adjusted estimates include concurrent adjustments for holiday and trading-day differences, where appropriate, as well as seasonal variation, based on the results of the latest annual review of the model parameters. Estimates are not adjusted for price changes.

² Based on advance sample. Estimates of manufacturers' shipments, inventories, and orders are subject to survey error and revision. One major component of survey error is nonsampling error, which includes errors of coverage, response and nonreporting. Since the survey panel is not a probability sample, estimates of sampling error cannot be calculated. For further details on survey design, methodology, and data limitations, see http://www.census.gov/manufacturing/m3.

The Capital Goods Industries include Nondefense: small arms and ordnance; farm machinery and equipment; construction machinery; mining, oil, and gas field machinery; industrial machinery; vending, laundry, and other machinery; photographic equipment; metalworking machinery; turbines and generators; other power transmission equipment; pumps and compressors; material handling equipment; all other machinery; electronic computers; computer storage devices; other computer peripheral equipment; communications equipment; search and navigation equipment; electromedical, measuring, and control instruments; electrical equipment; other electrical equipment, appliances, and components; heavy duty trucks; aircraft; railroad rolling stock; ships and boats; office and institutional furniture; and medical equipment and supplies. Defense Capital Goods include: small arms and ordnance, communications equipment, aircraft; missiles, space vehicles, and parts, ships and boats, and search and navigation equipment.

⁴ Estimates and percent changes of shipments and inventories for the semiconductor industry are included in computers and electronic products, and all other applicable aggregate totals. Estimates and percent changes for new orders and unfilled orders exclude semiconductor industry data.

The Census Bureau has reviewed this data product to ensure appropriate access, use, and disclosure avoidance protection of the confidential source data (Project No. P-6000307, Disclosure Review Board (DRB) approval number: CBDRB-FY24-0254).

Source: U.S. Census Bureau, Manufacturers' Shipments, Inventories, and Orders (M3) Survey, August Advance Report, September 26, 2024. Information on data sources and methodology can be found on our website at www.census.gov/manufacturing/m3/how_the_data_are_collected/index.html.