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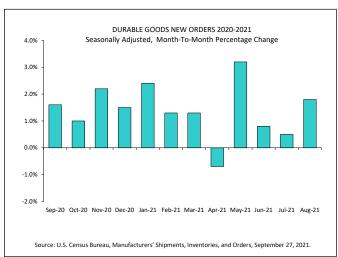
MONTHLY ADVANCE REPORT ON DURABLE GOODS MANUFACTURERS' SHIPMENTS, INVENTORIES AND ORDERS AUGUST 2021

Release Number: CB 21-149 M3-1 (21)-08

Statement Regarding COVID-19 Impact: The Census Bureau continues to monitor response and data quality and has determined that estimates in this release meet publication standards. For more information, see < M3 COVID-19 FAQs>.

September 27, 2021 — 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 increased \$4.6 billion or 1.8 percent to \$263.5 billion, the U.S. Census Bureau announced today. This increase, up fifteen of the last sixteen months, followed a 0.5 percent July increase. Excluding transportation, new orders increased 0.2 percent. Excluding defense, new orders increased 2.4 percent. Transportation equipment, up three of the last four months, led the increase, \$4.2 billion or 5.5 percent to \$80.8 billion.

Data Inquiries

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





Shipments

Shipments of manufactured durable goods in August, down following three consecutive monthly increases, decreased \$1.2 billion or 0.5 percent to \$256.1 billion. This followed a 2.0 percent July increase. Transportation equipment, down following two consecutive monthly increases, drove the decrease, \$2.0 billion or 2.7 percent to \$73.5 billion.

Unfilled Orders

Unfilled orders for manufactured durable goods in August, up seven consecutive months, increased \$11.8 billion or 1.0 percent to \$1,239.3 billion. This followed a 0.5 percent July increase. Transportation equipment, up six of the last seven months, led the increase, \$7.3 billion or 0.9 percent to \$820.8 billion.

Inventories

Inventories of manufactured durable goods in August, up seven consecutive months, increased \$3.4 billion or 0.8 percent to \$457.9 billion. This followed a 0.8 percent July increase. Transportation equipment, also up seven consecutive months, led the increase, \$1.3 billion or 0.8 percent to \$153.4 billion.

Capital Goods

Nondefense new orders for capital goods in August increased \$7.4 billion or 9.0 percent to \$89.9 billion. Shipments increased \$0.2 billion or 0.3 percent to \$79.4 billion. Unfilled orders increased \$10.5 billion or 1.4 percent to \$754.9 billion. Inventories increased \$0.9 billion or 0.4 percent to \$201.2 billion. Defense new orders for capital goods in August decreased \$1.0 billion or 8.3 percent to \$11.4 billion. Shipments decreased \$0.3 billion or 2.3 percent to \$12.4 billion. Unfilled orders decreased \$0.9 billion or 0.5 percent to \$187.7 billion. Inventories increased \$0.2 billion or 0.8 percent to \$21.0 billion.

Revised July Data

Revised seasonally adjusted July figures for all manufacturing industries were: new orders, \$509.6 billion (revised from \$508.1 billion); shipments, \$508.0 billion (revised from \$508.5 billion); unfilled orders, \$1,227.5 billion (revised from \$1,225.6 billion) and total inventories, \$745.1 billion (revised from \$744.4 billion).

Revised and more detailed estimates, plus nondurable goods data, will be published on October 4, 2021, at 10:00 a.m. EDT. The Advance Report on durable goods for September is scheduled for release on October 27, 2021 at 8:30 a.m. EDT. View the full schedule in the Economic Briefing Room:

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

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EXPLANATORY NOTES

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

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

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 revisions made later than two months will be reflected in the annual benchmark publication. Additional

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survey documentation can be found on our web site:

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

Special Notice - New Advance Estimates Of Total Manufacturing

Beginning with the release of September 2021 data on October 27, 2021, advance estimates of total manufacturing, including M3 durable and nondurable industries, for shipments and inventories, will be available at the same time as the Advance Report on Durable Goods Manufacturers' Shipments, Inventories and Orders. Monthly advance total manufacturing estimates will be available on a seasonally adjusted basis as well as a not seasonally adjusted basis on the M3 website under the "Advance Report Highlights". For more information, please see: monthly data example < tablet mex.xlsx>.

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 Orders¹

[Estimates are shown in millions of do	Illars and are based on data from the Manufacturers' Shipments, Inventories, and Orders Survey.] Seasonally Adjusted Not Seasonally Adjusted											
	Seasonally Monthly			/ Adjusted Percent Change			Not Seasonally Adjusted Monthly				Year to Date	
Item	Aug 2021 ²	Jul 2021 ^r	Jun 2021	Jul - Aug ²	Jun - Jul ^r	May - Jun	Aug 2021 ²	Jul 2021 ^r	Aug 2020	2021	2020	Percent Change 2021/2020
DURABLE GOODS												
Total:												
Shipments	256,109	257,317	252,208	-0.5	2.0	1.6	263,561	242,557	238,136	1,988,451	1,742,636	14.1
New Orders ⁴	263,490	258,851	257,663	1.8	0.5	0.8	264,958	240,428	219,612	2,015,219	1,615,650	24.7
Excluding transportation:	402 504	101 740	170 625	0.5	4.2	4.3	107.015	176 600	162 220	1,409,732	4 225 004	
Shipments New Orders ⁴	182,581 182,651	181,748 182,233	179,635 180,734	0.5 0.2	1.2 0.8	1.2 0.6	187,915 184,146	176,600 175,331	163,229 156,964	1,409,732	1,235,901 1,208,941	14.1 17.7
Excluding defense:												
Shipments	241,820	242,735	238,376	-0.4	1.8	1.6	249,711	229,334	225,472	1,880,701	1,641,979	14.5
New Orders ⁴	250,610	244,795	245,971	2.4	-0.5	1.0	254,856	229,687	208,222	1,913,436	1,511,342	26.6
Manufacturing with unfilled orders:												
Shipments New Orders	180,620 192,426	180,265 186,231	177,059 186,999	0.2 3.3	1.8 -0.4	1.7 0.6	184,583 190,732	169,697 172,044	160,371 146,364	1,387,241 1,447,839	1,232,087 1,136,549	12.6 27.4
	132,420	100,231	100,555	5.5	0.4	0.0	130,732	172,044	140,304	1,447,033	1,130,343	27.4
Primary metals: Shipments	23,887	23,912	23,234	-0.1	2.9	3.7	24,536	23,227	18,485	180,303	145,747	23.7
New Orders	24,077	24,436	24,033	-1.5	1.7	0.9	23,954	23,695	18,497	185,950	145,307	28.0
Fabricated metal products:												
Shipments New Orders	35,044 36,488	34,740 35,763	33,823 35,446	0.9 2.0	2.7 0.9	1.3 -1.2	36,965 37,944	33,811 34,407	30,962 30,968	269,033 288,339	235,341 236,200	14.3 22.1
Machinery:	· ·	·	·									
Shipments	36,552	36,141	35,698	1.1	1.2	1.4	36,663	34,705	31,501	280,806	246,547	13.9
New Orders	38,053	38,522	37,393	-1.2	3.0	2.1	37,329	37,139	30,856	293,607	248,258	18.3
Computers and electronic products 4:												
Shipments New Orders	28,985 25,303	28,905 24,945	28,863 24,973	0.3 1.4	0.1 -0.1	-0.1 0.8	29,085 24,084	26,987 22,309	27,989 22,607	223,006 191,369	208,374 177,478	7.0 7.8
	23,303	24,543	24,573	1.4	-0.1	0.8	24,084	22,303	22,007	191,309	177,476	7.8
Computers and related products: Shipments	2,001	2,008	1,998	-0.3	0.5	-2.2	1,948	1,803	1,813	15,183	13,451	12.9
New Orders	1,973	2,022	1,992	-2.4	1.5	-1.1	1,920	1,817	1,799	15,126	13,314	13.6
Communications equipment:												
Shipments	3,472	3,455	3,451	0.5	0.1	1.0	3,154	2,951	3,081	25,995	23,628	10.0
New Orders	3,707	3,665	3,808	1.1	-3.8	6.2	3,280	3,102	3,059	27,126	23,811	13.9
Electrical equipment, appliances, and components:												
Shipments	12,581	12,633	12,438	-0.4	1.6	1.3	13,144	12,289	11,188	97,501	85,611	13.9
New Orders	13,021	12,856	12,981	1.3	-1.0	0.2	13,472	12,120	11,150	101,648	86,832	17.1
Transportation equipment: Shipments	73,528	75,569	72,573	-2.7	4.1	2.5	75,646	65,957	74,907	578,719	506,735	14.2
New Orders	80,839	76,618	76,929	5.5	-0.4	1.4	80,812	65,097	62,648	592,881	406,709	45.8
Motor vehicles and parts:												
Shipments New Orders	51,540 51,870	52,954 53,549	50,265 50,871	-2.7 -3.1	5.3 5.3	1.3 1.8	54,992 55,461	46,307 46,517	56,676 56,951	412,175 414,739	352,627 352,509	16.9 17.7
Nondefense aircraft and parts 5:	31,070	33,313	30,071	5.1	3.3	1.0	33,101	10,517	30,331	111,755	332,303	1,,,
Shipments	7,789	8,043	8,558	-3.2	-6.0	13.8	6,705	6,703	5,588	58,630	54,006	8.6
New Orders	16,327	9,177	14,417	77.9	-36.3	4.7	15,013	7,919	-5,860	76,264	-49,903	(NA)
Defense aircraft and parts:												
Shipments New Orders	4,556 2,842	4,534 3,459	4,303 3,592	0.5 -17.8	5.4 -3.7	-2.7 12.5	4,523 2,535	4,173 3,009	4,613 3,715	34,880 30,178	36,159 35,356	-3.5 -14.6
	2,042	3,433	3,332	17.0	3.7	12.5	2,333	3,003	3,713	30,170	33,330	14.0
All other durable goods: Shipments	45,532	45,417	45,579	0.3	-0.4	0.7	47,522	45,581	43,104	359,083	314,281	14.3
New Orders	45,709	45,711	45,908	0.0	-0.4	0.7	47,363	45,661	42,886	361,425	314,866	14.8
Capital goods ³ :												
Shipments	91,745	91,818	91,050	-0.1	0.8	1.7	90,001	85,293	79,697	703,667	620,217	13.5
New Orders	101,342	94,943	97,981	6.7	-3.1	1.3	96,081	85,830	67,195	737,404	527,280	39.9
Nondefense capital goods: Shipments	79,393	79,174	79,109	0.3	0.1	1.8	78,082	73,881	68,961	610,777	534,959	14.2
New Orders	79,393 89,937	82,509	79,109 87,644	9.0	-5.9	1.6	87,088	76,682	57,108	647,426	435,780	48.6
Excluding aircraft:		- ,- ,-					. ,	-,-,-	- ,	. ,	,	
Shipments	74,877	74,381	73,732	0.7	0.9	0.6	74,567	70,275	65,965	576,319	506,009	13.9
New Orders	77,082	76,729	76,530	0.5	0.3	1.0	75,101	71,778	64,878		510,985	16.4
Defense capital goods:												
Shipments	12,352	12,644	11,941	-2.3	5.9	1.1 -1.4	11,919	11,412	10,736		85,258 91 500	9.0
New Orders	11,405	12,434	10,337	-8.3	20.3	-1.4	8,993	9,148	10,087	89,978	91,500	-1.7

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

¹ Estimates of shipments and new orders are for the duration of the period, while estimates of unifilled 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.

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; methodology, and data limitations equipment; computer storage devices; other computer peripheral equipment; correct machinery; industrial machinery; vending, laundry, and other machinery; photographic equipment; methodology, and data limitations, see http://www.census.gov/manufacturing/m3.

³ The Capital Goods industries include Nondefense: small arms and ordnance; farm machinery; photographic equipment; methodology, and data limitations, see http://www.census.gov/manufacturing/m3.

³ The Capital Goods industries include Nondefense: small arms and ordnance; carrial machinery; centrol 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 year-to-date percent change is not provided for Nondefense aircraft and parts because the denominator has a negative value.

Table 2. Durable Goods Manufacturers' Unfilled Orders and Total Inventories¹

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

			Seasonally	Not Seasonally Adjusted						
	Monthly		Percent Chan			2		Monthly		Percent
ltem	Aug 2021 ²	Jul 2021 ^r	Jun 2021	Jul - Aug ²	Jun - Jul ^r	May - Jun	Aug 2021 ²	Jul 2021 ^r	Aug 2020	Change 2021/ 2020
DURABLE GOODS										
Total:										
Unfilled Orders 4 Total Inventories	1,239,334 457,853	1,227,528 454,437	1,221,562 450,967	1.0 0.8	0.5 0.8	0.8 0.9	1,235,209 461,543	1,229,060 457,710	1,187,328 430,407	4.0 7.2
Excluding transportation:										
Unfilled Orders ⁴ Total Inventories	418,488 304,408	413,993 302,264	409,076 299,483	1.1 0.7	1.2 0.9	1.4 1.0	417,161 306,534	416,178 304,536	361,678 282,937	15.3 8.3
Excluding defense:										
Unfilled Orders ⁴ Total Inventories	1,027,593 433,093	1,014,378 429,839	1,007,886 426,607	1.3 0.8	0.6 0.8	1.2 1.0	1,024,625 436,683	1,014,728 433,070	967,171 406,105	5.9 7.5
Manufacturing with unfilled orders:										
Unfilled Orders Total Inventories	1,239,334 368,817	1,227,528 366,623	1,221,562 364,076	1.0 0.6	0.5 0.7	0.8 1.0	1,235,209 371,959	1,229,060 369,819	1,187,328 350,178	4.0 6.2
Primary metals:										
Unfilled Orders Total Inventories	41,026 40,479	40,836 40,015	40,312 39,292	0.5 1.2	1.3 1.8	2.0 1.7	40,354 40,678	40,936 40,328	31,396 34,026	28.5 19.5
Fabricated metal products:										
Unfilled Orders Total Inventories	102,658 59,098	101,214 58,415	100,191 57,716	1.4 1.2	1.0 1.2	1.6 1.3	103,667 59,239	102,688 59,201	82,462 52,524	25.7 12.8
Machinery:										
Unfilled Orders Total Inventories	110,829 73,787	109,328 73,116	106,947 72,468	1.4 0.9	2.2 0.9	1.6 0.6	110,237 74,561	109,571 73,250	95,454 69,869	15.5 6.7
Computers and electronic products ⁴ :										
Unfilled Orders Total Inventories	120,962 46,890	120,219 46,871	119,747 46,838	0.6 0.0	0.4 0.1	0.5 0.7	119,932 47,452	120,181 47,444	116,062 47,173	3.3 0.6
Computers and related products:										
Unfilled Orders Total Inventories	1,488 3,711	1,516 3,659	1,502 3,670	-1.8 1.4	0.9 -0.3	-0.4 -0.2	1,488 3,887	1,516 3,782	1,450 3,576	2.6 8.7
Communications equipment: Unfilled Orders Total Inventories	19,736 5,060	19,501 5,166	19,291 5,149	1.2 -2.1	1.1 0.3	1.9 1.1	19,613 5,241	19,487 5,193	18,097 5,251	8.4 -0.2
Electrical equipment, appliances,										
and components:	20.705	20.205	20.042	1.5	0.7	1.0	20.751	20.422	25.070	10.0
Unfilled Orders Total Inventories	30,705 20,857	30,265 20,771	30,042 20,548	1.5 0.4	0.7 1.1	1.8 0.7	30,751 21,130	30,423 21,193	25,870 19,965	18.9 5.8
Transportation equipment:										
Unfilled Orders Total Inventories	820,846 153,445	813,535 152,173	812,486 151,484	0.9 0.8	0.1 0.5	0.5 0.9	818,048 155,009	812,882 153,174	825,650 147,470	-0.9 5.1
Motor vehicles and parts:										
Unfilled Orders Total Inventories	28,074 49,223	27,744 48,084	27,149 47,265	1.2 2.4	2.2 1.7	2.3 1.9	27,411 49,824	26,942 48,681	23,430 40,508	17.0 23.0
Nondefense Aircraft and parts:	597.580	E00 043	587.908	4.4	0.3	4.0	E0C 204	588,086	E07 F03	-0.2
Unfilled Orders Total Inventories	76,452	589,042 76,371	76,756	1.4 0.1	0.2 -0.5	1.0 0.7	596,394 77,125	76,520	597,583 80,022	-3.6
Defense Aircraft and parts:	70.262	01.076	02.151	2.1	1.2	0.0	79.279	01 267	07.000	0.5
Unfilled Orders Total Inventories	79,362 12,461	81,076 12,388	82,151 12,354	-2.1 0.6	-1.3 0.3	-0.9 0.0	12,505	81,267 12,423	87,609 12,293	-9.5 1.7
All other durable goods:		,	,		_	_				
Unfilled Orders Total Inventories	12,308 63,297	12,131 63,076	11,837 62,621	1.5 0.4	2.5 0.7	2.9 1.0	12,220 63,474	12,379 63,120	10,434 59,380	17.1 6.9
Capital goods ³ :										
Unfilled Orders Total Inventories	942,669 222,264	933,072 221,231	929,947 220,220	1.0 0.5	0.3 0.5	0.8 0.6	940,190 225,010	934,110 222,880	924,313 219,351	1.7 2.6
Nondefense capital goods:										
Unfilled Orders Total Inventories	754,942 201,216	744,398 200,350	741,063 199,582	1.4 0.4	0.5 0.4	1.2 0.8	753,374 203,906	744,368 201,992	732,220 198,776	2.9 2.6
Excluding aircraft:										
Unfilled Orders Total Inventories	233,435 134,980	231,230 134,270	228,882 133,240	1.0 0.5	1.0 0.8	1.2 0.5	232,401 136,953	231,867 135,593	211,058 129,754	10.1 5.5
Defense capital goods:										
Unfilled Orders Total Inventories	187,727 21,048	188,674 20,881	188,884 20,638	-0.5 0.8	-0.1 1.2	-0.8 -0.9	186,816 21,104	189,742 20,888	192,093 20,575	-2.7 2.6
	21,048	20,881	20,638				21,104	20,888	20,575	

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

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

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.

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; computers; computer storage devices; other computer peripheral equipment; communications equipment; search and navigation equipment; electronedical, measuring, and control instruments; electrical equipment, appliances, and components, heavy duty trucks, airradit; airlangingent; other electrical equipment and infuriture; 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.