



A statistical program by AMT

U.S. MANUFACTURING TECHNOLOGY ORDERS

AMT CONTACT

KRISTIN BARTSCHI

DIRECTOR, MARKETING & COMMUNICATIONS

703-827-5267 | kbartschi@AMTonline.org

Press Release

FOR IMMEDIATE RELEASE

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July 2023 Manufacturing Technology Orders Total \$353.9 Million; Year-to-Date Gap Narrows Despite Entering Usual Seasonal Slowdown

McLean, Va. (September 11, 2023) — New orders of manufacturing technology totaled \$353.9 million in July 2023, according to the latest U.S. Manufacturing Technology Orders Report published by AMT – The Association For Manufacturing Technology. July orders declined 12.4% from June 2023 but were only 10.5% lower than July 2022. Year-to-date orders reached \$2.83 billion, 12.7% lower than this point last year.

“July is typically one of the slower months for manufacturing technology orders, so to be down slightly is not surprising,” said Douglas K. Woods, president of AMT. “The more interesting trend is that for two consecutive months, the gap in year-to-date orders has narrowed over what have been historically slow months. Job shops have continued to decrease orders, but other industries that have benefited from recent reshoring or government investment have been filling in the gap.”

Among individual sectors, job shops, the largest customer segment, placed their lowest total monthly orders since August 2020. Metal valve manufacturers recorded their third-highest monthly order value on record, which was last surpassed in September 2018. Their monthly orders reached nearly 5% of the total manufacturing technology order value for July 2023. Manufacturers of motor vehicle transmissions, which we highlighted in [last month’s USMTO press release](#), continued to order machinery at an elevated pace. While still representing a large share of the market, the aerospace industry continued to order well below the peaks reached in early 2022. Several recently announced projects, such as the federal government’s \$1.5 billion investment in communications satellites, could reverse the trend.

“Manufacturing technology orders have definitely begun to feel the effects of higher interest rates and economic uncertainty, but the buildup of domestic capacity means that there are more diverse sales opportunities than there have been in decades,” said Woods. “That is what has kept manufacturing technology orders well above their historical levels despite the recent downward trend, and it will likely lead the industry out of any mild recession on the horizon.”

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The United States Manufacturing Technology Orders (USMTO) Report is based on the totals of actual data reported by companies participating in the USMTO program. This report, compiled by AMT – The Association For Manufacturing Technology, provides regional and national U.S. orders data of domestic and imported machine tools and related equipment. Analysis of manufacturing technology orders provides a reliable leading economic indicator as manufacturing industries invest in capital metalworking equipment to increase capacity and improve productivity.

AMT – The Association For Manufacturing Technology represents U.S.-based providers of manufacturing technology – the advanced machinery, devices, and digital equipment that U.S. manufacturing relies on to be productive, innovative, and competitive. Located in McLean, Virginia, near the nation's capital, AMT acts as the industry's voice to speed the pace of innovation, increase global competitiveness, and develop manufacturing's advanced workforce of tomorrow. With extensive expertise in industry data and intelligence, as well as a full complement of international business operations, AMT offers its members an unparalleled level of support. AMT also produces IMTS – The International Manufacturing Technology Show, the premier manufacturing technology event in North America. www.AMTonline.org

IMTS – International Manufacturing Technology Show – The largest and longest running manufacturing technology trade show in the United States is held every other year at McCormick Place in Chicago, Ill. IMTS 2024 will run Sept. 9-14. IMTS is ranked among the largest trade shows in the world. IMTS is recognized as one of the world's preeminent stages for introducing and selling manufacturing equipment and technology as well as connecting the industry's supply chain. IMTS attracts visitors from every level of industry and more than 117 countries. IMTS 2022 had 86,307 registrants, 1,212,806 net square feet of exhibit space, 1,602 booths, and 1,816 exhibiting companies. IMTS is owned and produced by AMT – The Association For Manufacturing Technology.

(USMTO data is also available at www.AMTonline.org.)

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	July 2023(P)	Previous Month	% Change	Year Ago Month	% Change	YTD 23 (P)	YTD 22 (R)	% Change YTD
National								
Metal Cutting	343.45	394.80	-13.0%	385.56	-10.9%	2,775.83	3,174.36	-12.6%
Metal Forming & Fabricating	10.48	9.33	12.2%	10.10	3.7%	51.50	63.60	-19.0%
Total	353.92	404.13	-12.4%	395.66	-10.5%	2,827.34	3,237.95	-12.7%
Regional								
Northeast								
Metal Cutting	66.70	80.35	-17.0%	67.27	-0.8%	486.59	499.99	-2.7%
Metal Forming & Fabricating	D	D	*	D	203.5%	D	D	13.1%
Total	D	D	-11.9%	D	3.2%	D	D	-2.4%
Southeast								
Metal Cutting	48.90	37.98	28.8%	54.05	-9.5%	318.32	421.36	-24.5%
Metal Forming & Fabricating	D	D	-77.3%	D	-63.2%	D	D	-42.6%
Total	D	D	23.5%	D	-10.7%	D	D	-25.0%
North Central-East								
Metal Cutting	81.02	114.91	-29.5%	104.02	-22.1%	752.32	787.31	-4.4%
Metal Forming & Fabricating	2.84	3.72	-23.5%	D	D	12.78	D	D
Total	83.86	118.62	-29.3%	D	D	765.09	D	D
North Central-West								
Metal Cutting	72.33	60.24	20.1%	54.97	31.6%	547.90	583.83	-6.2%
Metal Forming & Fabricating	D	2.40	D	D	428.8%	D	D	26.8%
Total	D	62.64	D	D	33.8%	D	D	-5.7%
South Central								
Metal Cutting	28.89	32.76	-11.8%	36.55	-20.9%	270.11	277.57	-2.7%
Metal Forming & Fabricating	D	D	-59.6%	D	241.2%	D	D	-43.8%
Total	D	D	-12.8%	D	-20.4%	D	D	-3.6%
West								
Metal Cutting	45.60	68.57	-33.5%	68.70	-33.6%	400.60	604.31	-33.7%
Metal Forming & Fabricating	D	D	176.0%	D	-78.3%	D	D	-55.8%
Total	D	D	-32.3%	D	-36.7%	D	D	-34.2%



■ Northeast
■ Southeast
■ North Central - East
■ North Central - West
■ South Central
■ West

\$ = millions of dollars
 P – preliminary
 R – revised
 * – percent change greater than 1,000%
 Totals may not match due to rounding

Note on fields marked D: Dollar values are not disclosed (as well as percent changes which would reveal a dollar value not disclosed), in accordance with established confidentiality rules, when necessary to protect the confidentiality of individual participant data.

Net New Orders for U.S. Consumption

Jul-23

Total National Orders (Thousands of Dollars)

Date	Total Orders		Metal Cutting Machines		Metal Forming & Fabricating Machines	
	Units	Value	Units	Value	Units	Value
2022 JUL	1,751	\$395,663	1,736	\$385,559	15	\$10,104
2022 AUG	2,227	\$460,449	2,198	\$455,898	29	\$4,551
2022 SEP	2,409	\$516,665	2,375	\$503,329	34	\$13,336
2022 OCT	2,251	\$458,318	2,227	\$450,618	24	\$7,700
2022 NOV	1,971	\$441,510	1,947	\$430,293	24	\$11,217
2022 DEC	2,093	\$436,805	2,049	\$421,871	44	\$14,934
2023 JAN	1,677	\$351,371	1,639	\$343,068	38	\$8,302
2023 FEB	1,612	\$465,753	1,586	\$459,314	26	\$6,439
2023 MAR	2,301	\$550,309	2,269	\$543,689	32	\$6,620
2023 APR	1,473	\$336,848	1,449	\$329,734	24	\$7,114
2023 MAY	1,673	\$365,006	1,657	\$361,787	16	\$3,219
2023 JUN	1,606	\$404,130	1,575	\$394,796	31	\$9,333
2023 JUL	1,483	\$353,922	1,455	\$343,447	28	\$10,475
Average	1,887	\$425,904	1,859	\$417,185	28	\$8,719

Regional

Northeast Region (Thousands of Dollars)

Date	Total Orders		Metal Cutting Machines		Metal Forming & Fabricating Machines	
	Units	Value	Units	Value	Units	Value
2022 JUL	325	D	321	\$67,270	4	D
2022 AUG	378	D	374	\$72,173	4	D
2022 SEP	431 D		426	\$80,447	5 D	
2022 OCT	369 D		365	\$72,214	4 D	
2022 NOV	335 D		333	\$81,139	2 D	
2022 DEC	429	\$96,117	419	\$91,326	10	\$4,791
2023 JAN	318	D	317	\$63,637	1	D
2023 FEB	271	D	267	\$62,165	4	D
2023 MAR	427	\$100,718	420	\$99,252	7	\$1,466
2023 APR	266	D	260	\$48,097	6	D
2023 MAY	304	D	301	\$66,388	3	D
2023 JUN	323	D	321	\$80,346	2	D
2023 JUL	278	D	270	\$66,703	8	D
Average	343	\$74,775	338	\$73,166	5	\$1,609

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Net New Orders for U.S. Consumption

Jul-23

Southeast Region (Thousands of Dollars)

Date	Total Orders		Metal Cutting Machines		Metal Forming & Fabricating Machines	
	Units	Value	Units	Value	Units	Value
2022 JUL	263	D	261	\$54,054	2	D
2022 AUG	251	D	249	\$55,479	2	D
2022 SEP	338	\$71,610	332	\$70,175	6	\$1,435
2022 OCT	419	D	417	\$56,109	2	D
2022 NOV	269	D	267	\$52,135	2	D
2022 DEC	303	D	300	\$64,533	3	D
2023 JAN	208	\$35,731	201	\$32,994	7	\$2,737
2023 FEB	201	D	197	\$35,727	4	D
2023 MAR	330	D	320	\$71,854	10	D
2023 APR	181	D	180	\$38,469	1	D
2023 MAY	249	D	248	\$52,401	1	D
2023 JUN	165	D	158	\$37,976	7	D
2023 JUL	206	D	205	\$48,899	1	D
Average	260	\$52,595	257	\$51,600	4	\$994

North Central-East Region (Thousands of Dollars)

Date	Total Orders		Metal Cutting Machines		Metal Forming & Fabricating Machines	
	Units	Value	Units	Value	Units	Value
2022 JUL	398	D	394	\$104,019	4	D
2022 AUG	542	\$111,291	535	\$110,941	7	\$351
2022 SEP	520	D	516	\$118,494	4	D
2022 OCT	485	\$105,312	480	\$104,429	5	\$883
2022 NOV	432	D	428	\$124,854	4	D
2022 DEC	383	\$82,607	374	\$79,824	9	\$2,782
2023 JAN	349	\$81,094	342	\$79,488	7	\$1,606
2023 FEB	398	D	393	\$182,409	5	D
2023 MAR	534	D	532	\$144,006	2	D
2023 APR	288	\$80,299	282	\$77,875	6	\$2,424
2023 MAY	315	D	312	\$72,615	3	D
2023 JUN	390	\$118,625	383	\$114,907	7	\$3,718
2023 JUL	336	\$83,859	324	\$81,016	12	\$2,843
Average	413	\$108,946	407	\$107,298	6	\$1,647

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Net New Orders for U.S. Consumption

Jul-23

North Central-West Region (Thousands of Dollars)

Date	Total Orders		Metal Cutting Machines		Metal Forming & Fabricating Machines	
	Units	Value	Units	Value	Units	Value
2022 JUL	260	D	258	\$54,969	2	D
2022 AUG	394	\$87,946	382	\$86,099	12	\$1,847
2022 SEP	475	D	468	\$103,976	7	D
2022 OCT	348	D	343	\$81,729	5	D
2022 NOV	346	\$70,985	341	\$66,254	5	\$4,731
2022 DEC	422	\$79,043	412	\$77,141	10	\$1,902
2023 JAN	345	\$80,730	335	\$77,780	10	\$2,950
2023 FEB	296	D	289	\$91,224	7	D
2023 MAR	436	D	430	\$109,349	6	D
2023 APR	318	D	310	\$71,404	8	D
2023 MAY	274	D	268	\$65,566	6	D
2023 JUN	263	\$62,637	254	\$60,238	9	\$2,399
2023 JUL	263	D	258	\$72,334	5	D
Average	342	\$80,131	334	\$78,313	7	\$1,818

South Central Region (Thousands of Dollars)

Date	Total Orders		Metal Cutting Machines		Metal Forming & Fabricating Machines	
	Units	Value	Units	Value	Units	Value
2022 JUL	179	D	178	\$36,551	1	D
2022 AUG	217	D	215	\$44,246	2	D
2022 SEP	222	D	218	\$38,854	4	D
2022 OCT	198	D	193	\$39,859	5	D
2022 NOV	206	\$40,621	199	\$36,234	7	\$4,387
2022 DEC	210	D	206	\$35,199	4	D
2023 JAN	183	D	178	\$42,176	5	D
2023 FEB	184	D	181	\$39,805	3	D
2023 MAR	198	\$44,138	191	\$43,260	7	\$879
2023 APR	189	D	187	\$41,904	2	D
2023 MAY	215	D	213	\$41,310	2	D
2023 JUN	192	D	188	\$32,761	4	D
2023 JUL	153	D	152	\$28,894	1	D
Average	196	\$39,659	192	\$38,543	4	\$1,116

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Net New Orders for U.S. Consumption

Jul-23

West (Thousands of Dollars)

Date	Total Orders		Metal Cutting Machines		Metal Forming & Fabricating Machines	
	Units	Value	Units	Value	Units	Value
2022 JUL	326	D	324	\$68,696	2	D
2022 AUG	445	D	443	\$86,960	2	D
2022 SEP	423	D	415	\$91,384	8	D
2022 OCT	432	D	429	\$96,276	3	D
2022 NOV	383	D	379	\$69,677	4	D
2022 DEC	346	\$75,755	338	\$73,847	8	\$1,909
2023 JAN	274	D	266	\$46,993	8	D
2023 FEB	262	D	259	\$47,983	3	D
2023 MAR	376	D	376	\$75,968	0	#DIV/0!
2023 APR	231	D	230	\$51,984	1	D
2023 MAY	316	D	315	\$63,507	1	D
2023 JUN	273	D	271	\$68,568	2	D
2023 JUL	247	D	246	\$45,600	1	D
Average	333	\$69,799	330	\$68,265	3	\$1,534

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Total U.S. Manufacturing Technology Orders Through July 2023

