



A statistical program by AMT

U.S. MANUFACTURING TECHNOLOGY ORDERS

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Press Release

FOR IMMEDIATE RELEASE

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August Orders of Manufacturing Technology Grow 16.1% From July, Totaling \$404.2 million; Large OEMs Increase Purchases of Specialized Machinery

McLean, Va. (October 9, 2023) — New orders of manufacturing technology totaled \$404.2 million in August 2023, according to the latest U.S. Manufacturing Technology Orders Report published by AMT – The Association For Manufacturing Technology. August orders increased 16.1% from July 2023 but were down 12.2% from August 2022. Year-to-date orders reached \$2.23 billion, 12.6% lower than the first eight months of 2022.

“We are seeing industries focused on shorter-term projects reduce their spending, but at the same time, OEMs focused on longer-term production timelines have been increasing their spending, keeping orders at an elevated level,” said Douglas K. Woods, president of AMT. “The net result is that for the third consecutive month, the gap between year-to-date orders in 2022 and 2023 has narrowed, falling from a 14.6% deficit in May to the 12.6% difference we see today.”

Job shops continued to order machinery below their typical monthly share. The value of orders was well below their historical trend despite their share of unit orders remaining elevated. This indicates that while job shops are continuing to buy to increase capacity, OEMs are increasing their purchases of specialized machinery to make more complex, higher-value parts. Of those OEMs increasing orders, manufacturers of automotive transmissions have increased for yet another month. This marks the highest three-month streak of orders since June to August 2017.

Manufacturers of engines, turbines, and other power transmission technologies are also increasing orders at a rapid pace. The current upward trend is the largest sustained increase in orders since the increase that peaked in summer 2008, which was driven by the transition from coal-fired power plants to electricity generated by natural gas turbines.

“Much of the spike in demand for manufacturing technology over the last few years can be traced back to elevated consumer demand. To gauge the probable path of manufacturing technology orders in the future, we should keep an eye on the health of consumer spending,” said Woods. “Between mortgage payments becoming a larger share of discretionary income, wages in many industries not keeping pace with inflation, and ongoing labor disputes shuttering production lines, there are still several headwinds that face both consumers and the manufacturing technology industry.”



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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	395.48	337.67	17.1%	455.90	-13.3%	3,170.81	3,630.25	-12.7%
Metal Forming & Fabricating	8.72	10.48	-16.7%	4.55	91.6%	60.23	68.15	-11.6%
Total	404.20	348.14	16.1%	460.45	-12.2%	3,231.04	3,698.40	-12.6%
Regional								
Northeast								
Metal Cutting	79.70	66.41	20.0%	72.17	10.4%	567.64	572.16	-0.8%
Metal Forming & Fabricating	D	D	-98.6%	D	-95.3%	D	D	0.5%
Total	D	D	13.0%	D	8.7%	D	D	-0.8%
Southeast								
Metal Cutting	56.98	45.13	26.3%	55.48	2.7%	375.23	476.83	-21.3%
Metal Forming & Fabricating	D	D	58.5%	D	106.2%	D	D	-39.1%
Total	D	D	26.6%	D	3.4%	D	D	-21.8%
North Central-East								
Metal Cutting	96.75	80.33	20.4%	110.94	-12.8%	848.13	898.25	-5.6%
Metal Forming & Fabricating	D	2.84	D	0.35	D	D	12.86	D
Total	D	83.17	D	111.29	D	D	911.11	D
North Central-West								
Metal Cutting	59.79	71.39	-16.2%	86.10	-30.6%	606.67	669.93	-9.4%
Metal Forming & Fabricating	D	D	92.8%	1.85	D	D	10.43	D
Total	D	D	-13.8%	87.95	D	D	680.36	D
South Central								
Metal Cutting	40.14	28.81	39.3%	44.25	-9.3%	310.43	321.81	-3.5%
Metal Forming & Fabricating	D	D	-27.7%	D	-30.9%	D	D	-43.3%
Total	D	D	38.7%	D	-9.4%	D	D	-4.3%
West								
Metal Cutting	62.11	45.60	36.2%	86.96	-28.6%	462.72	691.27	-33.1%
Metal Forming & Fabricating	D	D	-55.3%	D	3.9%	D	D	-53.7%
Total	D	D	34.0%	D	-28.4%	D	D	-33.4%



■ 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

Aug-23

Total National Orders (Thousands of Dollars)

Date	Total Orders		Metal Cutting Machines		Metal Forming & Fabricating Machines	
	Units	Value	Units	Value	Units	Value
2022 AUG	2,227	\$460,449	2,198	\$455,898	29	\$4,551
2022 SEP	2,410	\$520,231	2,376	\$506,895	34	\$13,336
2022 OCT	2,251	\$458,318	2,227	\$450,618	24	\$7,700
2022 NOV	1,972	\$445,834	1,948	\$434,617	24	\$11,217
2022 DEC	2,093	\$436,805	2,049	\$421,871	44	\$14,934
2023 JAN	1,676	\$351,098	1,638	\$342,795	38	\$8,302
2023 FEB	1,612	\$465,753	1,586	\$459,314	26	\$6,439
2023 MAR	2,291	\$548,402	2,259	\$541,782	32	\$6,620
2023 APR	1,474	\$337,044	1,450	\$329,930	24	\$7,114
2023 MAY	1,673	\$365,006	1,657	\$361,787	16	\$3,219
2023 JUN	1,669	\$411,393	1,638	\$402,060	31	\$9,333
2023 JUL	1,468	\$348,140	1,440	\$337,665	28	\$10,475
2023 AUG	1,728	\$404,201	1,709	\$395,478	19	\$8,722
Average	1,888	\$427,129	1,860	\$418,516	28	\$8,613

Regional

Northeast Region (Thousands of Dollars)

Date	Total Orders		Metal Cutting Machines		Metal Forming & Fabricating Machines	
	Units	Value	Units	Value	Units	Value
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	336	D	334	\$81,994	2	D
2023 JUL	275	D	267	\$66,410	8	D
2023 AUG	308	D	307	\$79,702	1	D
Average	342	\$75,735	338	\$74,226	4	\$1,508

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Net New Orders for U.S. Consumption

Aug-23

Southeast Region (Thousands of Dollars)

Date	Total Orders		Metal Cutting Machines		Metal Forming & Fabricating Machines	
	Units	Value	Units	Value	Units	Value
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	201	D	194	\$41,671	7	D
2023 JUL	198	D	197	\$45,129	1	D
2023 AUG	350	D	348	\$56,983	2	D
Average	269	\$52,775	265	\$51,820	4	\$955

North Central-East Region (Thousands of Dollars)

Date	Total Orders		Metal Cutting Machines		Metal Forming & Fabricating Machines	
	Units	Value	Units	Value	Units	Value
2022 AUG	542	\$111,291	535	\$110,941	7	\$351
2022 SEP	521	D	517	\$122,060	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	524	D	522	\$142,099	2	D
2023 APR	288	\$80,299	282	\$77,875	6	\$2,424
2023 MAY	315	D	312	\$72,615	3	D
2023 JUN	403	\$120,283	396	\$116,565	7	\$3,718
2023 JUL	336	\$83,170	324	\$80,327	12	\$2,843
2023 AUG	353	D	349	\$96,751	4	D
Average	410	\$108,755	404	\$106,941	6	\$1,813

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Net New Orders for U.S. Consumption

Aug-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 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	347	\$75,309	342	\$70,578	5	\$4,731
2022 DEC	422	\$79,043	412	\$77,141	10	\$1,902
2023 JAN	344	\$80,457	334	\$77,507	10	\$2,950
2023 FEB	296	D	289	\$91,224	7	D
2023 MAR	436 D		430	\$109,349	6 D	
2023 APR	319 D		311	\$71,601	8 D	
2023 MAY	274	D	268	\$65,566	6	D
2023 JUN	263	\$62,637	254	\$60,238	9	\$2,399
2023 JUL	260	D	255	\$71,390	5	D
2023 AUG	283	D	275	\$59,793	8	D
Average	343	\$80,973	336	\$78,938	8	\$2,035

South Central Region (Thousands of Dollars)

Date	Total Orders		Metal Cutting Machines		Metal Forming & Fabricating Machines	
	Units	Value	Units	Value	Units	Value
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	193	D	189	\$33,024	4	D
2023 JUL	152	D	151	\$28,809	1	D
2023 AUG	164	D	162	\$40,137	2	D
Average	195	\$39,957	191	\$38,832	4	\$1,125

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Net New Orders for U.S. Consumption

Aug-23

West (Thousands of Dollars)

Date	Total Orders		Metal Cutting Machines		Metal Forming & Fabricating Machines	
	Units	Value	Units	Value	Units	Value
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	D
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
2023 AUG	270	D	268	\$62,113	2	D
Average	329	\$68,935	326	\$67,758	3	\$1,176

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Total U.S. Manufacturing Technology Orders Through August 2023

