



A statistical program by AMT

U.S. MANUFACTURING TECHNOLOGY ORDERS

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Press Release

FOR IMMEDIATE RELEASE

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September 2023 Manufacturing Technology Orders Down, Still Above Historical Averages

McLean, Va. (November 13, 2023) — New orders of manufacturing technology totaled \$398.9 million in September 2023, according to the latest U.S. Manufacturing Technology Orders Report published by AMT – The Association For Manufacturing Technology. September orders declined 2.8% from August 2023 and 23.4% from September 2022. Year-to-date orders reached \$3.64 billion, 13.8% lower than the first three quarters of 2022.

“Though 2023 orders are down, activity is still above long-term historical averages, indicating relative health overall,” said Douglas K. Woods, president of AMT. “We are still seeing strength in key industries, with contract machine shops, medical, and automotive continuing to invest heavily in manufacturing technology.”

Contract machine shops increased order value by nearly a third while units ordered grew by a much smaller degree. Similarly, manufacturers of medical supplies dramatically increased their overall spending. The automotive sector also continued to increase orders. Because of the longer production horizon as well as a sustained increase in demand for new vehicles, automotive manufacturers made capital spending investments despite labor challenges.

“The disparity in manufacturing technology investment across industries indicates that not all are paring back capital spending at once,” said Woods. “Industries that are spending healthily on manufacturing tech appear to be shifting expenditures toward highly automated machinery as evidenced by rising per-unit values.”

Though year-to-date orders have declined compared to a strong 2022, order levels are above historical averages, and there are pockets of strength in several industries.

“Industries supported by high consumer demand and benefiting from long production timelines continued to be reliable customers of manufacturing technology,” said Woods. “We are detecting a shift in capital goods investment toward improving productivity through adoption of manufacturing technology automation.”



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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.

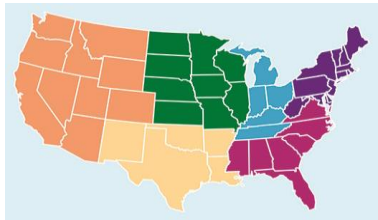
AMT – The Association For Manufacturing Technology represents U.S.-based providers of manufacturing technology – the advanced machinery, devices, and digital equipment that U.S. manufacturing relies on to be productive, innovative, and competitive. Located in McLean, Virginia, near the nation's capital, 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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	Sep 2023(P)	Previous Month	% Change	Year Ago Month	% Change	YTD 23 (P)	YTD 22 (R)	% Change YTD
National								
Metal Cutting	384.76	401.47	-4.2%	507.46	-24.2%	3,565.80	4,140.32	-13.9%
Metal Forming & Fabricating	14.13	8.72	62.0%	13.34	5.9%	74.35	81.48	-8.8%
Total	398.88	410.19	-2.8%	520.79	-23.4%	3,640.15	4,221.81	-13.8%
Regional								
Northeast								
Metal Cutting	71.94	80.37	-10.5%	80.45	-10.6%	640.72	652.61	-1.8%
Metal Forming & Fabricating	#DIV/0!	D	D	D	D	D	D	-8.3%
Total	D	D	-10.6%	D	-11.7%	651.34	664.18	-1.9%
Southeast								
Metal Cutting	43.63	57.80	-24.5%	70.73	-38.3%	421.21	548.41	-23.2%
Metal Forming & Fabricating	D	D	*	1.44	D	D	16.07	D
Total	D	D	-7.0%	72.17	D	440.89	564.48	-21.9%
North Central-East								
Metal Cutting	104.08	97.52	6.7%	122.06	-14.7%	953.83	1,021.72	-6.6%
Metal Forming & Fabricating	1.67	D	D	D	D	18.57	D	D
Total	105.74	D	D	D	D	972.40	1,036.58	-6.2%
North Central-West								
Metal Cutting	74.23	61.56	20.6%	103.98	-28.6%	682.82	773.90	-11.8%
Metal Forming & Fabricating	D	D	-75.5%	D	-70.6%	D	D	13.3%
Total	D	D	16.0%	D	-29.6%	697.59	786.94	-11.4%
South Central								
Metal Cutting	40.15	40.79	-1.6%	38.85	3.3%	351.85	360.67	-2.4%
Metal Forming & Fabricating	D	D	359.0%	D	-29.2%	D	D	-40.9%
Total	D	D	0.2%	D	2.3%	356.45	368.46	-3.3%
West								
Metal Cutting	50.73	63.42	-20.0%	91.38	-44.5%	515.37	783.01	-34.2%
Metal Forming & Fabricating	D	D	D	D	D	D	D	-66.4%
Total	D	D	-20.6%	D	-47.4%	521.48	801.17	-34.9%



- 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

Sep-23

Total National Orders (Thousands of Dollars)

Date	Total Orders		Metal Cutting Machines		Metal Forming & Fabricating Machines	
	Units	Value	Units	Value	Units	Value
2022 SEP	2,411	\$520,791	2,377	\$507,455	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	2,096	\$438,656	2,052	\$423,722	44	\$14,934
2023 JAN	1,677	\$351,248	1,639	\$342,945	38	\$8,302
2023 FEB	1,615	\$467,043	1,589	\$460,604	26	\$6,439
2023 MAR	2,292	\$548,987	2,260	\$542,367	32	\$6,620
2023 APR	1,475	\$337,894	1,451	\$330,780	24	\$7,114
2023 MAY	1,674	\$365,121	1,658	\$361,901	16	\$3,219
2023 JUN	1,668	\$411,112	1,637	\$401,778	31	\$9,333
2023 JUL	1,469	\$349,676	1,441	\$339,201	28	\$10,475
2023 AUG	1,848	\$410,191	1,829	\$401,469	19	\$8,722
2023 SEP	1,683	\$398,882	1,650	\$384,756	33	\$14,126
Average	1,856	\$423,366	1,828	\$414,016	29	\$9,349

Regional
Northeast Region (Thousands of Dollars)

Date	Total Orders		Metal Cutting Machines		Metal Forming & Fabricating Machines	
	Units	Value	Units	Value	Units	Value
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	272	D	268	\$62,333	4	D
2023 MAR	428	\$101,302	421	\$99,837	7	\$1,466
2023 APR	266	D	260	\$48,097	6	D
2023 MAY	304	D	301	\$66,388	3	D
2023 JUN	335	D	333	\$81,712	2	D
2023 JUL	275	D	267	\$66,410	8	D
2023 AUG	327	D	326	\$80,372	1	D
2023 SEP	283	D	283	\$71,939	0	D
Average	336	\$75,709	332	\$74,296	4	\$1,413

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Net New Orders for U.S. Consumption

Sep-23

Southeast Region (Thousands of Dollars)

Date	Total Orders		Metal Cutting Machines		Metal Forming & Fabricating Machines	
	Units	Value	Units	Value	Units	Value
2022 SEP	339	\$72,170	333	\$70,735	6	\$1,435
2022 OCT	419	D	417	\$56,109	2	D
2022 NOV	269	D	267	\$52,135	2	D
2022 DEC	306	D	303	\$66,384	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	199	D	198	\$46,665	1	D
2023 AUG	368	D	366	\$57,799	2	D
2023 SEP	246	D	224	\$43,628	22	D
Average	270	\$53,031	265	\$51,275	5	\$1,757

North Central-East Region (Thousands of Dollars)

Date	Total Orders		Metal Cutting Machines		Metal Forming & Fabricating Machines	
	Units	Value	Units	Value	Units	Value
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	289	\$81,149	283	\$78,725	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	369	D	365	\$97,523	4	D
2023 SEP	381	\$105,743	374	\$104,077	7	\$1,667
Average	399	\$108,453	393	\$106,538	6	\$1,914

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Net New Orders for U.S. Consumption

Sep-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 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	345	\$80,607	335	\$77,657	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	311	D	303	\$61,562	8	D
2023 SEP	295	D	294	\$74,234	1	D
Average	338	\$80,124	331	\$78,173	7	\$1,951

South Central Region (Thousands of Dollars)

Date	Total Orders		Metal Cutting Machines		Metal Forming & Fabricating Machines	
	Units	Value	Units	Value	Units	Value
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	185	D	182	\$40,426	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	179	D	177	\$40,793	2	D
2023 SEP	175	D	172	\$40,148	3	D
Average	193	\$39,789	189	\$38,615	4	\$1,174

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Net New Orders for U.S. Consumption

Sep-23

West (Thousands of Dollars)

Date	Total Orders		Metal Cutting Machines		Metal Forming & Fabricating Machines	
	Units	Value	Units	Value	Units	Value
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	263	D	260	\$48,483	3	D
2023 MAR	376	D	376	\$75,968	0	D
2023 APR	231	D	230	\$51,984	1	D
2023 MAY	317	D	316	\$63,622	1	D
2023 JUN	273	D	271	\$68,568	2	D
2023 JUL	247	D	246	\$45,600	1	D
2023 AUG	294	D	292	\$63,419	2	D
2023 SEP	303	D	303	\$50,730	0	D
Average	320	\$66,259	317	\$65,119	3	\$1,139

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Total U.S. Manufacturing Technology Orders Through September 2023

