

# Trends Map 2023



PERMANENT DIGITAL AND PRINT CONTENT	PERIOD	MEGATREND	CONTENT TOPIC	ANGLE	ACTIONS		
					PRINT	DIGITAL	EVENTS
Machining	Q1	Lightweight auto parts	Trends in aluminium milling	What are the trends in high-performance milling for high-precision aluminum parts?	February-March Issue Closing Dates: February 3, 2023 Distribution Digital: March 9, 2023 Distribution Print: March 22, 2023	6 Newsletters (twice a month)	EXPOMANUFACTURA MEXICO February 7-9, 2023
Tools, toolholders and accessories			Deep drilling of lightweight alloys	How is the process of deep drilling in lightweight engine castings?			
Control systems and software	Q2	Additive manufacturing for serial production	Ultra-high strength steels forming	Latest developments in hot- and cold forming of automotive structural parts	April-May Issue Closing Dates: March 17, 2023 Distribution Digital: April 25, 2023 Distribution Print: May 8, 2023	6 Newsletters (twice a month)	TECMA MEXICO March 8-10, 2023  HANNOVER MESSE April 17-21, 2023  FABTECH MEXICO May 16-18, 2023
Forming			High Performance Milling Software	Tips for taking advantage of the latest features in CAM software for high-performance milling			
Automation			In-machine metrology	How to get the most out of in-machine metrology tools			
Thermal processes			Digital twin for auto parts manufacturing	How to take advantage of available digital twin tools in the metalworking industry			
Surface materials and finishing	Q3	Sustainability in manufacturing	State-of-the-art AM machinery	New additive manufacturing processes put pressure on the traditional powder metal bed fusion.	June-July Issue Closing Dates: May 24, 2023 Distribution Digital: June 29, 2023 Distribution Print: July 12, 2023	Editorial webinar	EMO Hannover September 8-23, 2023 FABTECH CHICAGO September 11-14, 2023
Business management			What do I need to know to choose materials for Additive Manufacturing?	Know How: what is behind the selection of materials for AM compared to existing machining materials			
Additive manufacturing and other advanced processes			Problems that can be avoided from the start	Tips from industry experts on the implementation of AM systems for serial production			
Metrology and quality control	Q4	Aerospace parts	Eco-design	Design guide for weight reduction in AM part	August-September Issue Closing Dates: July 26, 2023 Distribution Digital: August 31, 2023 Distribution Print: September 12, 2023	6 Newsletters (twice a month)	SMART PRODUCTION ONLINE AXIOMAB2B
Industrial reports			Success stories	Success stories of workshops that apply serial AM			
			Alternative materials	Novelties in metal materials for the AM			
			Examples of workshops using robotics in Latin America	Success stories of workshops applying robotics			
		Robotics and automation in manufacturing	Automation training	Interviews with experts on the subject of training so that workshops can automate their processes.	October-November Issue Closing Dates: September 26, 2023 Distribution Digital: October 31, 2023 Distribution Print: November 14, 2023	6 Newsletters (twice a month)	
		Workshop efficiency	How to increase the efficiency of an automated process Workshop automation suppliers. What to look for?				
		Sustainability in manufacturing	How to calculate the ROI of automation implementation in the workshop	Tips to reduce the ROI time of a robotic system in the workshop	December-January Issue Closing Dates: November 1, 2023 Distribution Digital: December 7, 2023 Distribution Print: December 20, 2023	Editorial webinar	
		Sustainability in manufacturing	What should be considered for the governance of metalworking workshops?	What to do with workshop waste?			
		Sustainability in manufacturing	Governance strategies for metalworking shops	Interviews with experts in high-precision mold and die production			
		Sustainability in manufacturing	How to reduce energy consumption in the workshop	Trends in energy consumption reduction			
		Sustainability in manufacturing	Calculate your production carbon footprint	Calculate your production carbon footprint			
		Sustainability in manufacturing	Waste management in the workshop	What to do with workshop waste?			
		Sustainability in manufacturing	Grinding for single-series production	Interviews with experts in high-precision mold and die production			
		Aerospace parts	Hybrid processes for manufacturing aerospace parts	Combined machining plus additive manufacturing for aerospace parts			
		Aerospace parts	How to enter the aerospace parts market	Expert interviews to enter the aerospace parts business			
		Aerospace parts	What kind of parts are made in Latam for the aerospace market?	Study on the type of aerospace parts sold in LATAM today			
		Aerospace parts	Cutting tools and parameter selection for machining of aerospace aluminums	New products for machining Wear reduction in aerospace aluminum cutting tools			
		The digitalized workshop	Innovation in sensor technology	State-of-the-art products for metalworking workshop monitoring			
		The digitalized workshop	Manufacturing workshop management software	MES vs IIoT-based monitoring software. Is traditional MES still needed?			
		The digitalized workshop	Servitization	Examples of business models for workshops			
		The digitalized workshop	Augmented reality	Augmented reality as a maintenance tool in the workshop			
		The digitalized workshop	Success stories	Examples of workshops applying I4.0			
		The digitalized workshop	Becoming a global supplier	How to use e-commerce for a workshop? How to become a local and international supplier with the new digital tools			



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	TREND	INTELLIGENT PRODUCTION	INNOVATION	TECHNOLOGY	INDUSTRY
FEB - MAR ISSUE 28-1	Lightweight auto parts	<b>Industry 4.0</b> Digital twin for auto parts par manufacturing	<b>CAM Software</b> High Performance Milling Software	<b>Machining</b> Trends in aluminium milling	Ultra-high strength steel <b>forming</b>
APR - MAY ISSUE 28-2	Additive manufacturing for mass production	<b>Management</b> Problems that can be avoided from the start	<b>Additive Manufacturing</b> State-of-the-art AM machinery	<b>Materials</b> What do I need to know to choose materials for Additive Manufacturing?	Success stories of workshops applying <b>serial AM</b>
JUN - JUL ISSUE 28-3	Robotics and automation in manufacturing	<b>Management</b> Automation training	<b>Robotics</b> Workshop automation and robotics suppliers. What to look for?	<b>Automation</b> How to increase the efficiency of an automated process	Success stories of workshops applying <b>robotics</b>
AUG - SEP ISSUE 28-4	Aerospace parts	<b>Efficiency</b> Cutting tools and parameter selection for aerospace aluminium machining	<b>New Businesses</b> What kind of aerospace market parts are made in LATAM?	<b>Machining</b> Hybrid processes for aerospace part manufacturing	How to enter the <b>aerospace parts</b> market
OCT - NOV ISSUE 28-5	Sustainability in manufacturing	<b>Sustainability</b> Governance strategies for metalworking shops	<b>Industry 4.0 / Sensorics</b> How to reduce energy consumption in the workshop	<b>Grinding</b> Grinding for single series production	What to do with workshop <b>waste</b> ?
DEC - JAN ISSUE 28-6	The digitalized workshop	<b>Software</b> Manufacturing shop management Software	<b>Maintenance</b> Augmented reality as a maintenance tool in the workshop	<b>Machining</b> Workshops applying I4.0 to optimize machining	<b>Global supplier</b> How to achieve it?



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