



AMTech – Advanced Manufacturing Technology
Enables Equipment Industries
Digital • Smart • Green



AMTech2023

中国国际先进制造技术展览会

International Advanced Manufacturing Technology Show

AMC2023 • World Advanced Manufacturing Conference

SZCEC • Shenzhen Convention and Exhibition Center

October 10 - 13, 2023 • Futian • Shenzhen

Produced by CCPIT-MSC • China Council for the Promotion of International Trade Machinery Sub-Council
GHM-AMA • Guangdong-Hong Kong-Macao Advanced Manufacturing Alliances

Organized by SMI • Smart-Man. International

Immense Business Opportunities Created in the Greater Bay of Guangdong-Hong Kong-Macao

Area: **56,000** km²

Permanent resident: **70+** million

GDP2021: RMB **12.6** trillion, accounting for **11%** of

National GDP, estimated to reach **20%** in 2030

Made in Guangdong 2020

The added value of manufacturing above designated size and the number of enterprises ranked **top 1** in China.

40 major industrial sectors in Guangdong

25 of 40 sectors ranked **top 3** in sales volume in China

7 sectors exceed RMB **1 trillion** in output, leading China (New Electronic Information, Smart Appliances, Automobiles, Smart Phones, 5G, Green Petrochemicals, Plastic Products)

2 sectors lead the world (New Electronic Information and Smart Appliances).

Made in Guangdong 2025

By 2025, the added value of manufacturing stands for **30%+** of Guangdong GDP, and the high-tech manufacturing accounts for **33%** of industries above designated size.

50,000 enterprises above designated size undergoing digital transformation

889 provincial key projects

RMB **2.28** trillion of investment

1,471 key enterprises

2,920 innovation platforms on national and provincial levels

245 industrial parks

53,000 national high-tech enterprises

Great Potential Consumption of Machine Tools in China

China: the world **No. 1** consumer, importer and producer

Guangdong: consumes **10%-15%** of high-end CNC machine tools in China.

Key User Industries in Guangdong: Automobile, Electronic Information, Aviation, Household Appliances, New Energy

Machine Tools in China in 2020

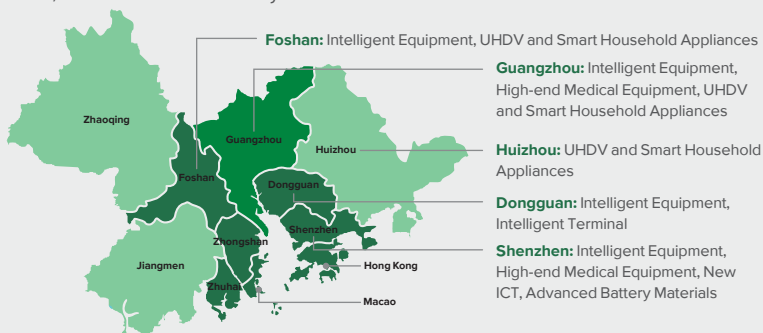
\$ 21 billion in consumption

\$ 5.9 billion in import

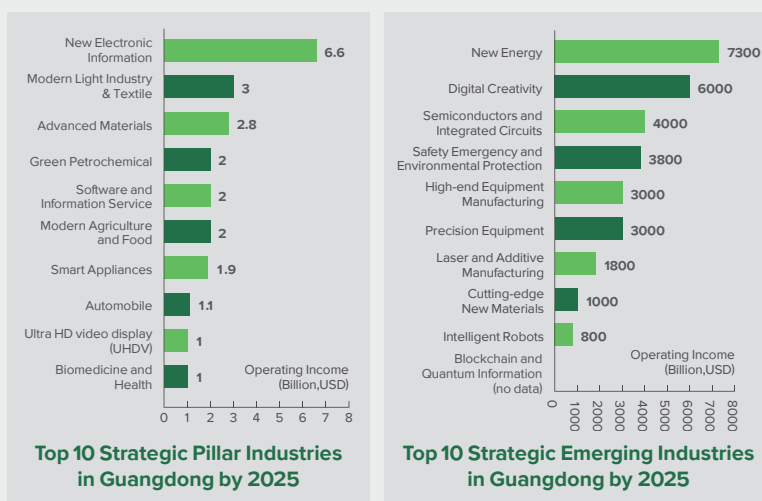
\$ 19 billion in production

Outline Development Plan for Guangdong-Hong Kong-Macao Greater Bay Area • Launched by the Chinese government on Feb. 18, 2019

The Greater Bay Area (GBA) will be built into an international **Sci & Tech Innovation Center** with global influence, a world-class **Advanced Manufacturing & Strategic Emerging Industrial Cluster Area**, and the fourth world-class **Bay Area** after New York, San Francisco and Tokyo.

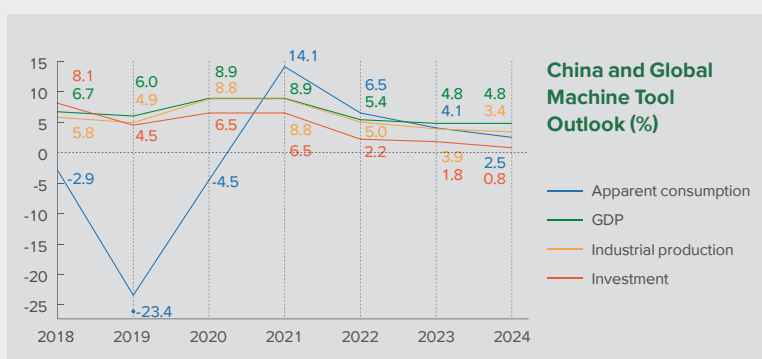


25 Advanced Manufacturing Industry Clusters released by MIIT in 2021 12 of 25 in Guangdong



	2019	2020	2021	2022	2023	2024	Machine Tools Consumption in 2019 (US \$ bn)
China	-19.9	-4.6	14.1	6.5	4.1	2.5	22.3
America	1.8	-15	14.9	4.7	2.4	2.1	9.8
Germany	6.9	-35.3	8.7	5.5	3.9	2.4	8
Japan	-1.1	-33.9	15.9	13.8	3.9	3.0	6.4
Italy	-7.6	-27.9	12.4	10.6	3.4	2.9	4.4
Asia	-14.7	-11.7	15.6	7.9	4.9	3.5	38.4
America	-5.5	-15	14.9	5.9	3.5	2.8	13.2
Europe	1.0	-22.2	13.8	7.8	5.0	3.7	22.3
World	-9.3	-14.9	15	7.5	4.7	3.4	73.9

Forecast on World Market of Machine Tools (%)



AMTech2023 aims to build **value chains, networks** and **ecosystems** for the world leading manufacturers, users and integrators.

Concept

Orientations

- ◆ Showcase innovative, high-end and cutting-edge manufacturing **technologies**.
- ◆ Focus on digital, smart and green manufacturing in precision metalworking, going through their **whole production chains** of precision metal cutting and precision metal forming.
- ◆ Provide **total solutions** to save costs and lower storage, improve quality and efficiency for promoting digital, smart and green transformations.

Exhibit Category



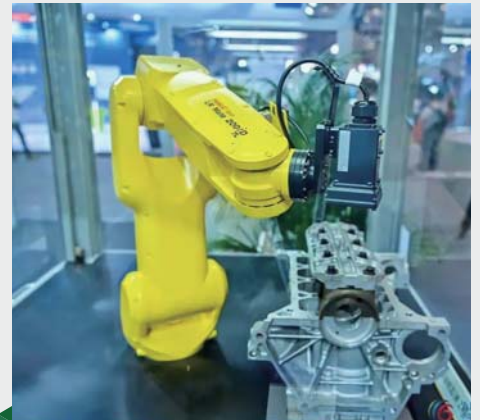
Precision Metal Cutting Technology

- ◆ High-end CNC metal cutting machines, machining centres, Non-traditional machines, automatic/flexible manufacturing systems, etc.
- ◆ CNC technology & system, CAD/CAM, software
- ◆ Precision cutting tools, tooling, jig, fixture, superhard materials, abrasives & tools, coated tools, etc.
- ◆ Precision measuring and quality control instruments
- ◆ Accessories and key components
- ◆ Maintenance services



Precision Metal Forming Technology

- ◆ Precision metal forming machines
- ◆ Sheet metal processing technology and machines
- ◆ laserphotonic technology, laser processing machines
- ◆ Surface treating technology and equipment



Digital Transformative Technology (Applied to Metalworking Industry)

- ◆ Industrial Automation and intelligent robotics
- ◆ Additive manufacturing and 3D printing
- ◆ Artificial intelligence and machine learning
- ◆ IIOT
- ◆ Green manufacturing, intelligent manufacturing technology and system integration
- ◆ Augmented reality (AR), virtual reality (VR) and mixed reality (MR)
- ◆ CNC equipment interconnection protocol, data analysis, network security
- ◆ Intelligent factory logistics and storage
- ◆ Smart force and vocational education
- ◆ Other related technologies, products & solutions

automobile and auto components

3C electronics, IT, electronic equipment, household appliances

precision molds, metallurgy, foundry, metal wares

new energy, energy storage technology & equipment

hi-tech medical devices and equipment, biotechnology and pharmaceutical engineering

Dominant Industries in the GBA

Visitors & Users

Key User Industries across China

aerospace & aeronautics

transportation & rail Industry

ocean engineering equipment & maritime ships

construction machinery, food packaging machinery and other machinery equipment

petrochemical industry

AMTech 2021 Highlights

◆ First international and differentiated event in the subject of Advanced Manufacturing Technology in China

Show Report

218 leading exhibitors in the name of their headquarters from **11** countries and regions.
40,000 sqm of exhibiting space **102** sqm of average space per exhibitor
500+ kinds of new technology and solutions showcased **40%+** international participation **75.6%** of exhibitor satisfaction
32,410 visitors from **28** provinces of China and the world **92%** of visitor satisfaction



◆ International Supports from AMT, VDW and other domestic and international associations of advanced manufacturing



21 exhibitors and 1280 sqm in German Pavilion and UMATI live demo organized by VDW.

MTConnect live demo for the first time in South China by AMT jointly with its 6 members, HARDINGE, HURCO, KENNAMETAL, SUNNEN, OMEGA and OMAX.



◆ New and innovative way of collaborative participation from leading exhibitors: linking productions chains and showcasing solutions



Hurco jointly with KREON, PEISELER, OEMETA and ALFA-SYS to showcase intelligent machining solutions.

Nachi displayed technologies and solutions ranging from advanced materials, machine tools, key accessories (precision tools, bearings, hydraulic systems, etc.), intelligent micro robots to machining solutions.

+GF+ in collaboration with HEIDENHAIN, REGO-FIX, OPEN MIND, to showcase the five-axis machining solution to automotive mold inserts.

◆ World Advanced Manufacturing Conference (AMC2021) held concurrently with AMTech 2021

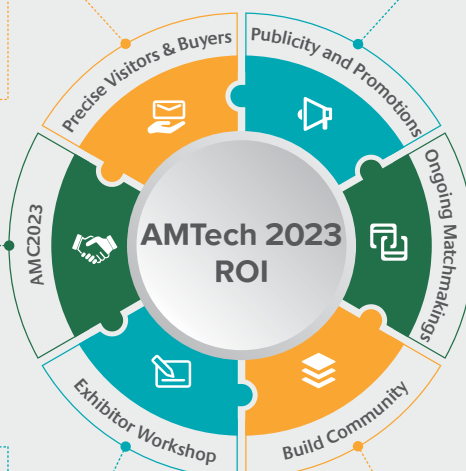


- 1 plenary in the subject of “Digital Transformative Technologies enable global manufacturing”
- 2 round table dialogues
- 5 breakouts in terms of digital transformative technologies applied to automotive, aerospace & aeronautics, transportations, metalworking, medical equipment industries

You will market your brands, technologies and products with high exposure in front of 60,000 potential buyers ranging from top management to decision makers in charge of purchasing, R&D, production with influence on procurement. Most professionals come with strategies on digital transformation and purchasing plan on equipment.

We will invite you to join the keynote forums, symposiums and roundtable dialogues included in "World Advanced Manufacturing Conference (AMC 2023)" held in the same place at the same time as AMTech 2023, where to learn more about the farsighted concepts and perspectives of global industry experts, emerging technology and market trends, and to communicate, talk and share with industry leaders and user executives.

We invite you to attend Exhibitor Workshops 3 months before AMTech 2023, to let you know more about our platform, resources and activities to help you make most from the event, about the show rules to reduce your participation costs, about our show services to improve your participation experiences.



We undertake serial, progressive and all-year-round campaigns to market and promote your company by means of AMTech 2023 official website, WeChat, TikTok, LinkedIn, Facebook, Twitter etc., and its 100 industry and user media contractors.

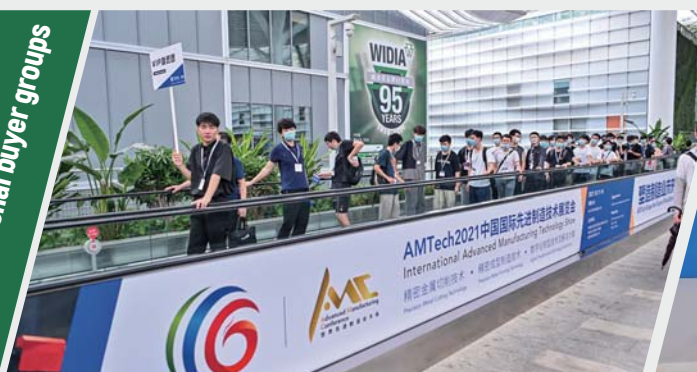
We have done and will do more matchmaking events connecting suppliers and users before, during and after AMTech 2023, targeting on different user industries in different regions, in the ways of technical symposiums, high-end forums, factory tours, new product releases, industry standard releases, skills competitions and other networking activities.

We invite you to participate in a series of activities in collaborations with industry and user associations, industrial parks and related government agencies, concentrating on the transformation and upgrading of traditional industries, core technology exchanges and cooperation, investment promotion, etc. to construct AMTech 2023 value chains, communities and ecosystems where everyone can be benefited and returned.

Matching activities



Professional buyer groups



圆桌对话：数字化转型技术赋能全球制造业 Panel Discussion: Global Manufacturing Empowered by Digital Transformative Technologies

孙继田 中国机械工业联合会 执行副会长兼秘书长	卢秉恒 (中国) 清华大学教授 清华大学机械工程系 主任	Lucas Brevet 通用电气全球 首席技术官	陈其江 (中国) 中国机械工业联合会 副秘书长	胡晓东 (中国) 中国机械工业联合会 副秘书长	沈皓 (中国) 中国机械工业联合会 副秘书长	陈文平 (中国) 中国机械工业联合会 副秘书长
Sun Jitian Chairman of CHMA, Former President of CCMT Machinery Sub-Council	Yan Bing (China) General Manager of Global Advanced Manufacturing Institute	Lucas Brevet General Manager of GE	Chen Qijiang (China) Deputy Secretary General of CHMA	Shen Yaodong (China) Deputy Secretary General of CHMA	Shen Faqin (China) President of China Mechanical Engineering Society (CMAE)	Chen Wenping (China) Vice President of China Mechanical Engineering Society (CMAE)

Summit / forums





Supported by

- ◆ Guangdong Machinery Industry Association
- ◆ Guangdong Machinery Mould Technology Promotion Association
- ◆ Guangdong Foundry Industry Association
- ◆ Guangdong Casting Industry Association
- ◆ Hongkong Mould and Product Technology Association
- ◆ Hongkong Foundry Association
- ◆ Hongkong Plastic Machinery Association
- ◆ Hongkong Metal Manufacturing Association
- ◆ Shenzhen Machinery Industry Association
- ◆ Shenzhen Advanced Manufacturing Association
- ◆ Shenzhen Industry Design Association
- ◆ Shenzhen Baoan Intelligent Manufacturing Industry Association
- ◆ Shenzhen Connector Industry Association
- ◆ Guangzhou Machine Tool Industry Association
- ◆ Guangzhou Die & Mould Industry Association
- ◆ Guangzhou Sheet Metal Processing Industry Association
- ◆ Zhuhai Manufacturing Association
- ◆ Foshan Machinery Equipment Industry Association
- ◆ Foshan Shunde Robot Association
- ◆ Foshan Shunde Lunjiao Machinery Parts & Association Chamber of Commerce
- ◆ Foshan Shunde Machinery and Equipment Manufacturing Chamber of Commerce
- ◆ Dongguan Machinery Mould Industry Association



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