Turnkey project of overall production line system

The 6th International Conference on Sustainable Manufacturing (ICSM) 2018

November 2, 2018 Shanghai Crowne Plaza Hotel

ICSM 2018

BACKGROUND

In the past two years, the global manufacturing industry has faced many opportunities in the direction of diversification and individuation of customer demand while experiencing slowing economic growth and upward pressure from transformation and upgrading. With the help of the return of advanced manufacturing in the United States, Germany's “Industry 4.0” and especially “Made in China 2025”, China’s manufacturing industry is experiencing an increase in basic capabilities, quality brands and standardization, and more advanced models play a demonstration lead role through intelligent manufacturing projects.

If we were more concerned about the concepts or the prospects outlined in these hot topics a few years ago, what we can now enjoy is the solution that can turn these concepts into reality. For example, the planning of automatic production lines, the implementation of the layout of digital factories, and the boost of industrial interconnections have made China‘s manufacturing industry move another step toward “smart manufacturing”. Under the background of “Industry 4.0” and “Made in China 2025”, many companies have already begun piloting a new journey of “smart manufacturing”. The upgrading of traditional production lines and the construction of new production lines based on “Industry 4.0” will be an important mean for China’s manufacturing industry to move toward “smart manufacturing”. The turnkey project of the entire production line system will become an urgent need for enterprises.

On November 2, 2018, Vogel China will join hands with National Auto & Parts Export Base (Shanghai) to hold the 2018 sixth International Conference on Sustainable Manufacturing (ICSM 2018) at Shanghai Crowne Plaza Hotel. The forum will focus on the theme of “**Turnkey Project of Overall Production Line System**” .Speakers include well-known experts and scholars from leading domestic and foreign companies who have rich experience in the plan and implementation of “Industry 4.0” and turnkey projects for overall production line systems, representatives of leading manufacturing industry as well as the responsible persons of related industries, etc.. The speech’s topic runs through international advanced equipment manufacturing technology, production solutions and turnkey projects of production line system ranging from design to finished products. The speech covers four major phases of the product life cycle: product design, process design, manufacturing, and maintenance.

This forum will focus on the centralized application fields of smart manufacturing such as automotive, aerospace and electronics. It aims to help Chinese companies solve a series of problems faced in the process of manufacturing, production and upgrading of production lines and seek the solution to respond to transformation and upgrading to move towards "Intelligent Manufacturing".

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STRUCTURE

Organizers: Vogel China

MM China Magazine

National Auto & Parts Export Base (Shanghai)

Karlsruhe Institute of Technology (KIT), Germany

Tongji University (AMTC Advanced Manufacturing Technology Center)

Supported Media: MM Metalworking website (http://mw.vogel.com.cn)

Forum date: November 2nd, 2018

Forum topics: Turnkey project of overall production line system

Location: Shanghai. Anting. Crowne Plaza Hotel

Forum scale: 200~250 people

Simultaneous activity: Visiting AMTC at Tongji University

Sponsors:

WITTENSTEIN

goetzpartners 意志高驰

Mobil 美孚 | 工业润滑油

camfil AIR POLLUTION CONTROL 康斐尔空气污染控制设备

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CHAIRMAN

Prof. Dr.-ing. Jürgen Fleischer

A member of the German Product Engineering Society (WGP)

A member of the German Research Foundation Cooperative Research Center and the Delegation Committee (DFG)

A member of the “Germany 21st Century Production Strategy” discussion group

A member of the Federal Ministry of Education and Research

A member of the German Academy of Production Sciences.

SSP1712 major project : Spokesperson for Solid Hybrid Composites Project

Responsibilities: Production basic knowledge, material characteristics, and corresponding interpretation work.

The chairman of the Scientific Committee of Production Engineering of German Academic Society.

Research areas: Manufacturing automation, machine tools and mechanical equipment, electromechanical components, electric vehicles and lightweight construction.

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CHAIRMAN

Mr. Feng Jianping

The Editor-in-Chief of Modern Manufacturing Magazine (MM), graduated from Beijing University of Aeronautics and Astronautics in 1984. From 1984 to 1997, he took up the position of Information Industry Research Institute of Machinery Industry and engaged in industrial intelligence gathering and analysis. From 1997 to 1998, he joined Beijing Fogo Consulting Co., Ltd. From 1998 till now, he has served as the editor-in-chief of Modern Manufacturing (MM) magazine under the German Forge Industrial Media.

BACKGROUND

Introduction of Shanghai Anting Auto and Parts Export Base

National Auto & Parts Export Base (Shanghai) (Shanghai Anting auto and parts export base development Co., Ltd.,) located in Anting Shanghai International Automobile City, is one of the twelve national export bases that the Ministry of Commerce and the national development and Reform Commission has offered.

It was officially opened in June 26, 2008. It is a collection of auto parts trading, display, e-commerce, finance, customs and international trade. The integrated service platform of national automobile industry is integrated with trade and other functions."Export base" is committed to building the Shanghai international automobile product trading center, relying on the policy and resource advantages of the Shanghai national automobile and spare parts export base to attract international first-class auto and parts suppliers, cultivate the automobile industry cluster, expand the industrial scale, and guide the development of the comprehensive trading center with the development of the meeting.

For the purpose of 3-5 years, forging a multinational automobile product purchasing center, trading center and pricing center with a large scale, full variety, convenient trading, management standard and certain international influence, and a vehicle product with the function of "one dragon" service function of testing and certification, logistics, public information, training and so on. Public service platform, the formation of independent brand passenger car, light vehicle, special vehicle export scale, so that a batch of auto parts manufacturing enterprises into the global purchasing system of multinational companies, to maintain the development, production and export of new energy vehicles national leading position.

Anting town has more than 3000 auto parts manufacturers. Typical enterprises include ZF, Johnson controls, Delphi, Visteon, Brose, Kostal, Faurecia, Tenneco, Inteva, SKF, Benteler and Schaeffler.

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THEME

Turnkey project of overall production line system

- Application and Development of International Frontier Manufacturing Technology
- The appliance of industrial 4.0 in the production process
- Intelligence of manufacturing in industrial production
- Solutions for Digital Factory
- Product Lifecycle Management and Operations
- Advanced tool/fixture technology
- Laser processing of intelligent equipment
- Industrial robot
- High-end software assists smart manufacturing
- Upgrading CNC system together with industry
- Intelligent production line planning and design
- Overall production line upgrade and turnkey project
- Advanced hole processing/tooth processing technology
- China's equipment manufacturing industry development status and market analysis
- International leading measurement technology solutions
- Advanced production solutions for difficult-to-machine materials/components
- Composite processing to improve processing efficiency
- The guarantee of machining quality from the cutting fluid/chemical management
- 3D Printing/Additive Manufacturing
- .....

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INVITE AUDIENCE

- Shanghai ABB Engineering Co., Ltd.
- Changchai Limited Company
  Shanghai Aircraft Manufacturing Co., Ltd.
- Shanghai Machine Tool Factory Co., Ltd
- China Heavy Vehicle Group Co., Ltd. Commercial Vehicle Company
- Shanghai Huizhong Automobile Manufacturing Co., Ltd. Heavy Truck Factory
- Shanghai Automotive Group Co., Ltd. Passenger Vehicle Technology Center
- Guangzhou CNC Equipment Co., Ltd.
  Dongfeng Motor Company Technical Center
- Baosteel Institute of Automation
- Brilliance Automotive Group Holdings Limited
  Brilliance Automotive Engineering Research Institute
- Automotive Engineering Research Institute of Chongqing Chang'an Automobile Co., Ltd.
- Hangzhou Kailan Heavy Industry Machinery Co., Ltd.
- Shanghai Automotive Group Co., Ltd. Technical Center
- Nanjing Technology Equipment Manufacturing Co., Ltd.
- Dongfeng Peugeot Citroen Automobile Co., Ltd
- Technical Center of SAIC-GM-Wuling Automobile Co., Ltd.
- Shanghai Volkswagen Automotive Co., Ltd
- Jiangsu Xinrui Heavy Industry Technology Co., Ltd.
- Shanghai Huizhong Automobile Manufacturing Co., Ltd.
- Hangzhou Machinery Co., Ltd.
- Planning and Design Institute of Chery Automobile Co., Ltd.
- Technical Center of Great Wall Motor Co., Ltd.
- Shanghai Auto Commercial Vehicle Co., Ltd.
- Shenyang Machine Tool Co., Ltd.
- 18 Institute of Aerospace
- China Zhongtai Holding Group Co., Ltd.
- Siemens (China) Co., Ltd.
- China Aerospace Science and Industry Group
- Nanjing Chenguang Group Co., Ltd
- Chery Automobile Co., Ltd.
- Shanghai General Motors Co., Ltd
- Weichai Power Co., Ltd.
- Shanghai Hangfa Machinery Co., Ltd.
- China First Automobile Group Corporation
- Nanjing CNC Machine Tool Co., Ltd.
- Technical Center of Shenlong Automobile Co., Ltd.
- Jiangsu Twee Machine Tool Manufacturing Co., Ltd
- Shanghai Xinsong Robot Automation Co., Ltd.
- .Shanghai Aerospace Equipment Manufacturing Plant
- Shanghai Aerospace Precision Institute

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SCHEDULE

	Time	Content	
Nov. 1	17:00-19:00	VIP Dinner	
Nov.2	**Main Forum**		
	08:50-09:00	Speech by the governor of Anting town, Shanghai	
	09:00-09:30	Keynote Speech1： Prof. Dr.-ing. Juergen Fleischer， KIT **Turnkey project of overall production line system**	
	09:30-10:00	Keynote Speech2： WITTENSTEIN	
	Coffee Break		
	10:20-10:50	Keynote Speech3： To Be Confirmed 1（Han's Laser）	
	10:50-11:20	Keynote Speech4： To Be Confirmed 2（Balluff）	
	Visit the AMTC at Tongji University and have dinner		
		Sub Forum 1：Innovation	**Sub Forum 2：Smart Products/ Smart Production**
	14:00-14:30	GoetzPartners	Christopher Ehrmann， Industrial Project Manager, AMTC
	14:30-15:00	To Be Confirmed 3（Starrag）	Schaeffler
	15:00-15:30	Mobil	Bosch Rexroth
	Coffee Break		
	15:50-16:20	To Be Confirmed 3（Roehm）	SYMG
	16:20-16:50	Camfil	Micro-cyber
	16:50-17:20	EMCO	Prof. Weimin Zhang, IAMT of Tongji University

REVIEW

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REVIEW

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PROMOTION

Plane Promotion

Note：pic above is the advertise of last forum, the promotion for this forum will be available.

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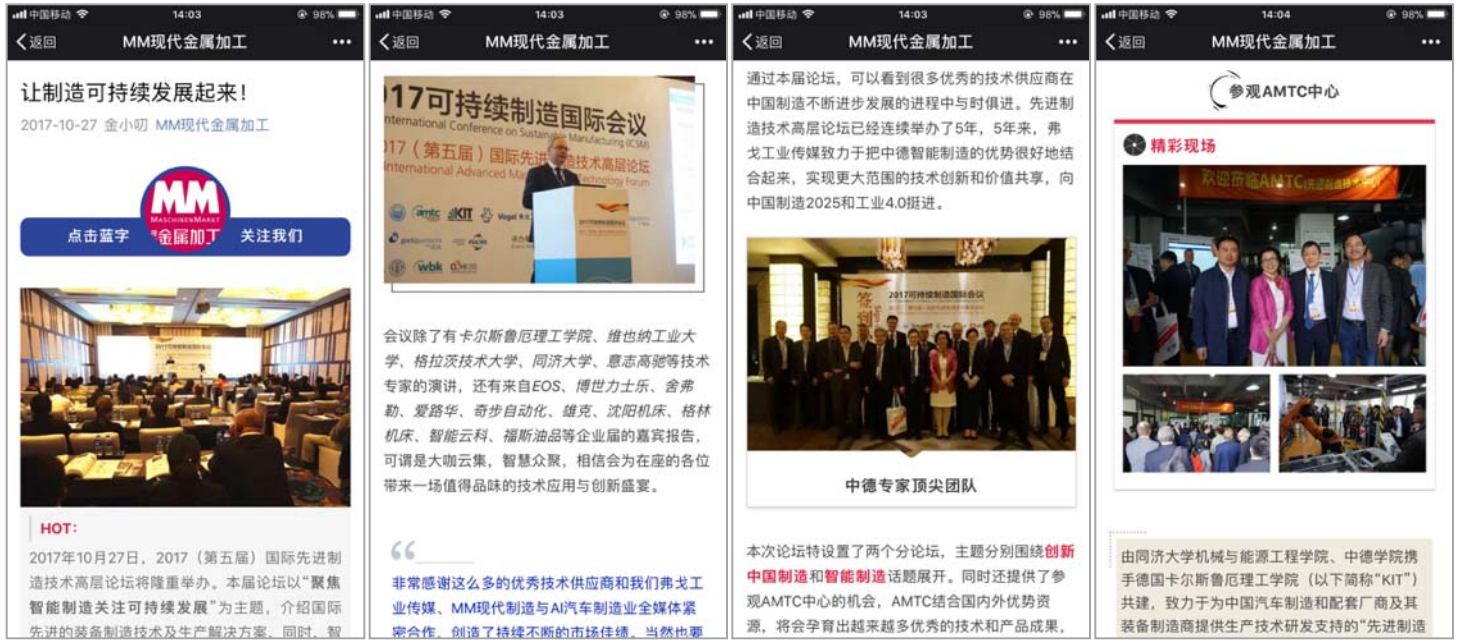
PROMOTION

Media promotion



Note：pic above is about the last forum.

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There will be a welcome feast at the night before the forum(Nov. 1st) . The holder and speakers will have enough time to communicate about the hot topics with each other.

HIGHLIGHTS

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High-end dialogue

Note: pic is the part of dialogue of previous forums.

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HIGHLIGHTS

Full online promotion

Note: The picture on the left is the live video of the forum during the same period. The right picture shows the topics of previous forums. The linked pictures will appear on the focal points of each major channel of Vogel Industrial Online (www.vogel.com.cn).

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HIGHLIGHTS

Conference publication

2017可持续制造国际会议

2017 International Conference on Sustainable Manufacturing (ICSM)

暨2017（第五届）国际先进制造技术高层论坛

2017 International Advanced Manufacturing Technology Forum

2017年10月27日 上海颐奕皇冠假日酒店

Oct 27, 2017 Crowne Plaza Shanghai Anting Hotel

主办单位 Organizers

赞助单位 Sponsors

承办单位 Event Management

合作单位 Co-organizers

前言 | Foreword

Since the financial crisis, the industrial world powers have developed national strategies and plans for stimulating the growth of their economy. Germany brought "Industry 4.0" in its national strategy, The US formulated "Reindustrialization", to reinvigorate national economies; Japan initiated "Revitalization Strategy"; South Korea launched "New Power Strategy"; France initiated "Industry of the Future" and China started "Made in China 2025". With the introduction of a series of measures including "Made in China 2025", "Internet Plus", China's manufacturing industry has met with new development opportunities and challenges.The requirements for higher product machining quality, lower single-part machining cost, higher machining efficiency and more intelligent production mode have forced manufacturers to quicken transformation and upgrading to gain in competitiveness. The Chinese Government recently weakened, for the first time, the "five-year" time limit specified in previous plans and extended the planning period to 2025 to place more emphasis on medium and long-term planning and maintaining the policy continuity, which certainly drives, at the execution level, manufacturing technology innovations and upgrading to a fast track.

Currently, the in-depth integration between new generation of information technology and the manufacturing industry is triggering an industrial change with the development of new production modes, industrial forms, business models and economic growth points. Various countries are intensifying scientific and technical innovations with new breakthroughs in fields like 3D printing, mobile internet, cloud computing, big data, new energy and new materials, etc. The intelligent manufacturing based on cyber-physical system, including intelligent equipment and intelligent factory is leading the change of the manufacturing mode. Network crowdsourcing, collaborative design, large-scale personalized customization, precision supply chain management, total lifecycle management and e-commerce are shaping the industrial value chain system. The intelligent terminal products such as wearable intelligent products and intelligent vehicles are expanding new manufacturing fields. China's manufacturing industry is embracing great opportunities for transformation, upgrading and innovative development.

The 2017 (5th) International Advanced Manufacturing Technology Summit hold on October 27, 2017 Deals with "Focus on Intelligent Manufacturing, Follow Sustainable Development". This Summit introduces the international advanced equipment manufacturing technologies and production solutions, analyse hot topics such intelligent and automatic production, in-depth analysis of technical and process improvement issues for manufacturing enterprises engaged in automobile, aviation and aerospace. Further topics are confront during the production, machining equipment, measurement and chemicals, effective improvement of manufacturing quality.

Jürgen FLEISCHER ZHANG Weimin XIAO Je SHEN Bin

Note: pics above are the publication of previous forums.

FOLLOW-UP REPORT

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New media

Note: pics are the wechat report of previous meetings.

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