

2014.9.16-19 Beijing-China International Exhibiton Center New Venue

2014.2.25



Organizer: Confederation of Chinese Metalfo

Confederation of Chinese Metalforming Industry Supporters:

China Society for Technology of Plasticity CMES Metal Industries Research & Development Centre UCIMU-SISTEMI PER PRODURRE Japan Forming Machinery Association Japan Metal Stamping Association

Japan Forging Association Association of Indian Forging Industy Taiwan Forging Association

Japan Materials Process Technology Center

Shanghai Metalforming Association
Wuxi Metalforming Association
Shenyang Forging Association
Chongqing Metalforming Association
Henan Foundry&Forging Association
Ruian Metalforming and Foundry Association

Anhui Machine Tool Association

Zhangqiu Forging, Casting and Heat Treatment association

China Council for the promotion of international trade Ma'anshan Committee

Nantong Hydraulic Press Association in Jiangsu Province



2014年9月16-19日

中国国际展览中心新馆(北京市顺义区裕翔路88号) 16-19 September 2014 China International Exhibition Center New Venue (No.88,Yuxiang Road,Shunyi District,Beijing)





SheetMetal China 2014 第九届中国国际冲压技术及设备展览会



MetalFab China 2014 第九届中国国际钣金加工展览会



MetalComp China 2014 第十五届中国国际金属成形零部件博览会

Professional, Authoritative, and One-stop Services Covering Whole Industry Chain

Machinery/Die & Tooling/Automation Technology/Materials/Metal Formed

Metal forming, as a basic industry, is only one of the small stages of the whole manufacturing chain. Thus, it is restricted by upstream raw materials industry and downstream main engine industry both. That means the only way for us to get higher industrial status, more additional values and broader living space is to keep improving on technology, equipments, process and management.

Different with the machine, tools and automation shows, which merely concentrate on exhibiting of machines, tools or automation equipments, MetalForm China exhibition covers the whole chain of metal forming industry. Visitors will find forging, stamping and fabricating equipments, die & tooling, accessory automation devices and auxiliary materials, raw materials, consumable, forging pieces, stamping pieces and sheet metal fabricating pieces on the exhibition. Moreover, there are industry-university-research cooperation projects displayed by many colleges and universities and scientific research institutions.

In brief, just in one exhibition, metal forming parts manufacturers and purchasers can find all the services they need.

Brand New Websitel Brand New Functionsl

A easy work for booth application and visitor pre-registration online, just log in www.china-metalform.com



关注CMF2014官方微信, 免费得会刊和参加抽奖!

Reserve floor space

Visitor pre-registration online



Wonderful current events

Latest technology and products promotion press
Qualified suppliers recommended
Buyers forum for forging, stamping and fabricating parts
"Shen Gong (Masterpiece)" metal formed parts awards
On-site Promotion Meeting for Technology and Talents
Evaluating IQ of metal forming machinery
Bingo game for the visitors





Highlights

High-precision Parts and Its Forming Technology

The forgings, produced with $\operatorname{multi-station}$ automatic production and advanced cold, warm forging technology, such as: closed die forging, hollow shunt forming, multi-station cold, warm forging, are the products integrated with the functions of both moulds and equipments. Attention is paid on development of hard alloy tool and die technology, and reduction or elimination

of phosphatization and saponification problems. The representative exhibitors in this field are Jiangsu Pacific Precision Forging Co. Ltd., Dongfeng Forging Co. Ltd., and Jiangsu Sunway Precision Forging Co. Ltd., etc.





Large Transfer Press

It is composed with un-stacker, large press, three coordinate work piece conveyer system and stacker station. Its production TAKT is 16-25 times/min.. Thus, high efficiency is the main feature of it, it's 4-5 times of manual transfer line, and 2-3 times of stand-alone link production line. Enterprises like Schuler, Fagor Arrasate S Coop., AP&T, Komatsu, Hefei Metalforming Machine Tool Co., Ltd., and Nantong Metalforming Equipment Co., Ltd., etc. will show this press on exhibition.



Hot Die Forging Press

It's one of the main die forging presses, and is suitable for making high-precision die forging products in large volume, especially in automobile and aviation industries. The current development trend is to carry out the automation of blank feeding, heating, die forging, trimming and finishing, etc. via applying of robot (robotic arm) or walking beam automatic transfer device. SMS, Jsc"Tjazhmekhpress", Komatsu, Kurimoto. Ltd., Sumitomo Heavy Industries, Ltd. Zhe Jiang Jing Yong Jing Duann Machinery Co., Ltd., Fukin Technologies Services

(Beijing), China Erzhong Group Wanhang Die Forging Factory, Yangzhou Metalforming Machine Group Co., Ltd, etc. will show this machine and its relative facilities

Fiber Laser Cutting Machine

The fiber laser cutting machine shoots high-energy density laser beams, and makes them gathering on the work piece surface. The area exposed under the super fine focus light spot will melt and gasify in a flash. Thus, the automatic cutting can be realized via moving the exposure position by NC mechanical system.



Compared with the huge gas laser and solid laser, fiber laser possesses obvious advantage. It has become an important alternative in high-precision laser processing, laser radar system, space technology and laser medicine, etc.

Fiber laser cutting machine can be used both in flat cutting and bevel angle cutting. Once equipped with a mechanical arm, it is also competent in 3D cutting. By fiber laser cutting machine, we can get work pieces with trim and smooth edges. So it's suitable for high-precision



CNC Electric Screw Press

It's a screw press with accuracy control on blow energy, while its construction is relatively simple. The CNC electric screw presses are applied to precision die forging, upsetting, finishing, trimming, etc. in wide range. Schuler, Lasco, Enomoto Machine Co., Ltd.,are overseas leaders in this field. For the past few years, Wuhan Newwish Technology Co., Ltd., Qingdao Yiyou Metalforming Machinery Co., Ltd., Qingdao Qingduan Metalforming Machinery Co.,

Ltd., Qingdao Hongda Metal Forming Machinery Co, Ltd., Hubei Fusheng Forging Machine Co. Ltd., etc. have launched J58K and J58 series electric screw press with different drive mode and core

CNC Punch and Shearing Composites Machine

It is an integration of CNC punch and CNC angle shear. Punching, forming and shearing just in one process, so this composites machine is best



for the sheet metal processing



Sensing and Information Technology

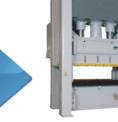
Abundant sensing and information technologies guarantee the high production efficiency of modern factory. Moreover, plentiful sensors help to ensure workers and equipments safety, and smooth logistics, monitor product quality at any time, and eliminate the source of danger. While information technologies link the steps, like design, production, storage, sales, financial affairs and customers' stock, etc., so as to

make enterprises operate in a more efficient way, and thus to reduce

of sheet metal can be completed



with bending process in its subsequent stage. Compared with adding single CNC punch and angle shear to processing lines, CNC punch and shearing composites machine, which shares one set of CNC system. hydraulic system and feeding manipulator in multistage process, is make for reducing the equipment investment, saving workshop space, and reducing failure rate. And it also can play the role of host in a punchingshearing composite flexible processing



Servo Press and High Speed Press

Servo press is the punching press with servo motor as power producer, and driven by servo control electrical system. It has many advantages, such as energy saving, process flexibility, and the diversity of processing materials and products.

On the exhibition in this year, Aida, Jiangsu Yangli Group Co., Ltd., Schuler, Komatsu. Chinfong (China) Machine Industry Co., Ltd., Xie Yi Tech Machinery (China) Co., Ltd., Ningbo

Cfg Machinery Industrial Co., Ltd., Guangdong Metal Forming Machine Works Co., Ltd., Zhejiang Kinglan Co., Ltd., etc. will release the servo presses for practical applications.



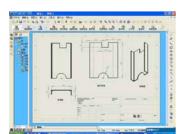
Robot

The robots produced by ABB, Kuka, Fanuc, NACHI, SIASUN, etc. are extensively used in welding, assembling, handling, unstacking, stacking, feeding/discharging and coating, etc.



It refers to the automation of series of operation processes, e.g. blank feeding and transferring, die changing, adjusting and operating of punching press, and the testing & alarm system in punching process. The application of these punching process line can realize the whole automation of punching





Information Software for Sheet Metal Forming

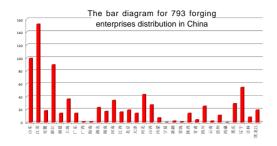
In view of the problems of sheet metal processing enterprises, such as: difficult to make production plan, disordered production, delivery delay, hard to estimate or check the costs, hard-to-assess efficiency of machine tools, etc., which are resulted in by those features of sheet metal processing enterprises, like their discrete type, make-to-order production, diversified materials and products in small batch, limited delivery time, etc. On Metalform China 2014, Trumpf and Amada, etc. will show the information software containing ERP module, MES module, production and processing module, by which series of activity can be fulfilled, e.g. visual management (that means the system integration of programming, production, machine tools and storage.), visual production plan arranging and real time monitoring of production progress, optimizing the typesetting, automatic accounting for costs, supervising the efficiency of each production centre, efficient stock management, dealing with PO and customer order, making offers, and payment, etc. That will saving much time and stock, raising fund utilization rate, visual tracking and coordinating customer orders, improving the rate of equipment utilization and effectively



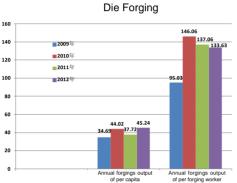


Economic Operation Report of Forging Industry

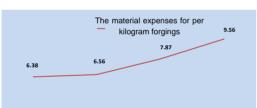
1.Status of Chinese Forging Industry Member distribution in nationwide



2009-2012 Industrial Index Analysis





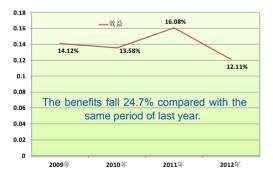


The material expenses for per kilogram forgings increase 21.5% compared with the same period of last year.

2011年

2012年

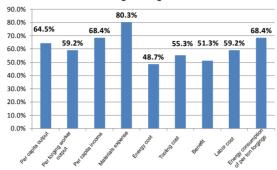
2009年



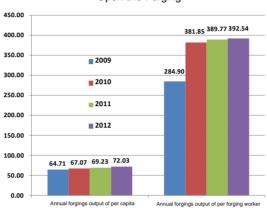
The Comparison of Best Index and Average Level in Die Forging Industry

Item	Unit	The Best Index	The Average Index	Comparison Ratio
Annual forgings output of per capita	tons/capita/year	218.88	45.24	483.82%
Annual forgings output of per forging worker	tons/forging worker/year	408.45	133.63	305.66%
Annual sales revenue of per capita	ten thousand yuan/ capita/year	252.61	46.77	540.11%
The material expenses for per kilogram forgings	yuan/kg	2.9	9.56	30.33%
Energy cost	(%)	2.44%	7.71%	31.65%
Tooling cost	(%)	0.46%	2.82%	16.31%
Benefit	(%)	42.69%	12.11%	352.52%
Labor cost	(%)	3.21%	10.35%	31.01%
Energy consumption of per ton forgings	Ton of standard coal equivalent/ton	0.16	0.52	30.77%

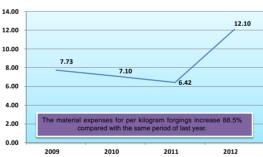
The proportion of the die forging enterprises not reaching average index



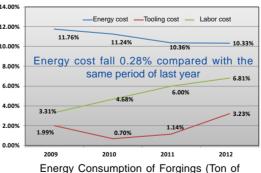
Open Die Forging



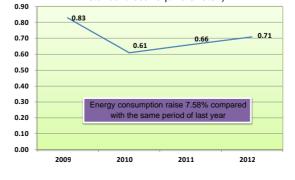


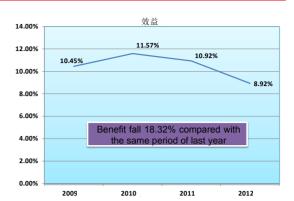


Labor cost raise 13.5% compared with the same period of last year
Tooling cost raise 183% compared with the same period of last year



standard coal equivalent/ton)

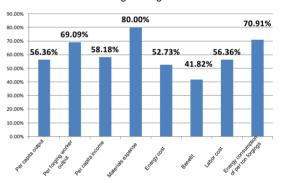




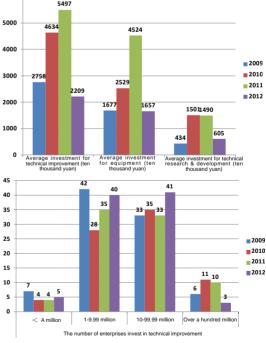
The Comparison of Best Index and Average Level in Open Die Forging Industry

Item	Unit	The Best Index	The Average Index	Comparison Ratio
Annual forgings output of per capita	tons/capita/year 200.00		72.03	277.66%
Annual forgings output of per forging worker	tons/forging worker/year 636.36		392.54	162.11%
Annual sales revenue of per capita	ten thousand yuan/ capita/year	200.00	82.84	241.43%
The material expenses for per kilogram forgings	yuan/kg	4.57	12.1	37.77%
Energy cost	(%)	3.24%	10.33%	31.36%
Tooling cost	(%)	0.17%	3.23%	5.26%
Benefit	(%)	29.46%	8.92%	330.27%

The proportion of the die forging enterprises not reaching average index



Investment Analysis



From 2010 to 2011, the investment of enterprises is of great vigor. There are 13 enterprises invested over a hundred million in technical improvement in 2010, they take 17% of the total enterprises who made investment. Their investment is 3.39236 billion yuan. That is 78% of the gross investment in technical improvement in that year.

In 2011, there are 10 enterprises invested over a hundred million in technical improvement, and heir investment amount is 3.428 billion yuan. That is 76% of the gross investment in technical improvement in 2011.

During 2012, the passion on investment sharply declined. The average investment amount of enterprises fall 60% compared with the same period of last year. Only two enterprises made investment in technical improvement. Their investment amount is 0.45 billion yuan. The gross investment of enterprises being investigated and their average investment amount both fell back under the level in 2009.

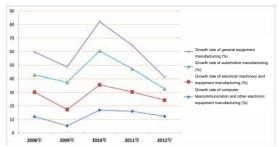




Report of Chinese Stamping & Fabricating Industry in 2013

1. National Macro Situation of Industry

Synchronous growth data of main industries in 2008-2012



2. Stamping and Fabricating Industry

- 1). The enterprise quantity of this industry
- It is estimated that there are more than 6,000 forging enterprises, over 40,000 stamping enterprises and more than 40,000 sheet metal fabricating enterprises in China.
- 2)Extensive applications of products

Metal forming is a basic process in mechanical industry. Except for making various blanks or parts in different size and shape, the improvement on structure and performance of material can also be achieved through metal forming. Therefore, metal forming products are extensively used in aerospace, military, energy industry,

vessel and car manufacturing, electronics, rail transit, construction machinery, metallurgy, telecommunication, petrochemical industry, light industry, building, bridge, etc. Thus, there is a close relationship between metal forming industry and strategic emerging

3)The six main development trends of automotive stamping

- a. High-strength steel forming (hot stamping process)
- b. Research and development of servo press
- c. Quick die changing technology
- d. Hydraulic forming technology

- e. Digital simulation technology
- f. Sheet metal forming characteristic research and application 4)Index of stamping industry

Items	Unit	2011	2012	Year on year growth rate
Annual sales revenue of per capita	Ten thousand yuan/capita/ year	73. 67	51. 52	-30.07%
Materials expenses per kilogram	yuan/kg	11. 26	5. 21	-53.73%
Energy cost	(%)	2. 22	4.86	118. 92%
Tooling cost	(%)	5. 24	4.79	-8.59%
Labor cost	(%)	4. 68	8. 73	86. 54%
Benefit	(%)	20.37	6. 58	-67.7%

5)The development trends of sheet metal and fabricating industry a. In the field of high-performance products: seeking for high strength, high-precision special sheet metal technology

- b. For light weight of production: promoting the technology of aluminum, magnesium, and titanium alloy forming
- c. For cost reduction: extending the life of mould, shortening ready time, raising labor productivity, reducing production processes, etc. 6)Index of sheet metal and fabricating industry

Items	Unit	2011	2012	Year on year growth rate
Annual sales revenue of per capita	Ten thousand yuan/capita/ year	42. 23	31. 49	-25. 43%
Energy cost	(%)	3. 09	4. 89	58. 25%
Tooling cost	(%)	2. 66	1.51	-43. 23%
Labor cost	(%)	14. 09	12.70	-9.87%
Benefit	(%)	7. 41	7. 28	-1.75%

7)Index of head industry

Items	Unit	2011	2012	Year on year growth rate
Annual output of per capita	tons/capita/year		66. 37	
Annual output of per worker	tons/worker/year		85. 44	
Annual sales revenue of per capita	Ten thousand yuan/capita/ year	63. 88	57. 76	-9. 58%
Materials expenses per kilogram	yuan/kg	8.38	8. 42	0. 48%
Energy cost	(%)	2. 24	1.95	-12.95%
Tooling cost	(%)	6. 01	6. 19	3%
Labor cost	(%)	10.44	12.64	21.07%
Benefit	(%)	13.09	8.31	-36.25%

3. The Current Problems in Forging, Stamping and Fabricating Industry

The great change and competitive expansion of forging, stamping and fabricating industry in the last decade have resulted in series of problems, including:

1)Repeated input of low-end productivity, over saturation of traditional markets and oversupply of productivity lead to cutthroat

2)Obvious regional concentrating of enterprises, the shortage of industry level regulation and policy guidance make it difficult to

carry out industrial upgrading and layout optimization; 3)The cost pressures increasing mainly reflected in the raising of labor cost, material cost and R&D investment;

4)The price keeps sluggish. Due to fierce competition, orders have reduced, and the price war has emerged.

> Author: Wu Shunda Liu Yongsheng Lab for Forging and Metalforming Industry(LFMI) of CCMI

Traffic Guide of MetalForm China 2014

By Bus:

Visitors can take bus No.915, 916, 918, 923, 934, 955, 970, 980, 987 to Maliandian or Hualikan stop, and then walk to China International Exhibition Center New Venue

Start from Beijing Railway Station: take bus No.24 to Dongzhimen stop, and then change bus NO.915 to Maliandian stop

Start from Beijing West Railway Station: take bus No.823 to Dongzhimen stop, and then change bus No.915 to Maliandian stop

Start from Beijing South Railway Station: take bus No.106 (at the South Plaza of the railway station) to Dongzhimen stop, and then change bus No.915 to Maliandian stop

Start from Beijing North Railway Station: walk to Yutaoyuan stop, take bus Express 104 to Lidu Hotel stop, and then change bus No.915 to Maliandian stop

By Subway:

China International Exhibition Center New Venue is located in Shunyi, Beijing. Visitors can get there conveniently by subway from the urban district of Beijing.

Transfer Tips: no matter at which stop you take the subway, it is necessary to come to the transfer station Wangjing West to take line 15. Then you can arrive at CIEC New Venue in about 10 minutes Start from Beijing Railway Station: about 20 meters walking to subway line 2—change to line 13 (at Dongzhimen station)—change to line 15 (at Wangjing West)—get off the subway at China International Exhibition Center stop.

Start from Beijing West Railway Station: take bus No.83 (at the North Plaza of the railway station) to Changchunjielukouxi stop—walk to subway line 2 (Changchunjie station)—change to line 13 (at Dongzhimen station)—change to line 15 (at Wangjing West)—get off the subway at China International

Start from Beijing North Railway Station: about 20 meters walking to subway line 2 (Xizhimen station) change to line 13 (at Dongzhimen station)—change to line 15 (at Wangjing West)—get off the subway at China International Exhibition Center stop.

Start from Beijing South Railway Station: take subway line 4—change to line 2 (at Xuanwumen station) —change to line 13 (at Dongzhimen station)—change to line 15 (at Wangjing West)—get off the subway at China International Exhibition Center stop.

Start from districts along Subway Line 10: any station on line 10—change to line 13 (at Shaoyaoju station)—change to line 15 (at Wangjing West)—get off the subway at China International Exhibition Center stop

Start from districts along Subway Line 13: any station on line 13—change to line 15 (at Wangjing West)—get off the subway at China International Exhibition Center stop.

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Self-Driving:

Via the routes below, self-driving visitors can arrive at the parking lot of CIEC New Venue or the airport industrial zone.

- 1. Tangli Rd. Dingsi Rd. Airport North Line Huosi Rd. (Tianbei Rd.) CIEC New Venue parking lot
- 2. Jingcheng Expressway—Airport North Line—Huosi Rd. (Tianbei Rd.)—CIEC New Venue parking lot
- 3.Jingshun Rd.—Kuliushu—Shunping West Rd.—CIEC New Venue parking lot
- 4. Shunping Rd.—Kuliushu—Shunping West Rd.—CIEC New Venue parking lot(for visitors from Shunyi or Pinggu)
- 5. Jingmi Rd.—Kuliushu—Shunping West Rd.—CIEC New Venue parking lot(for visitors from Miyun or Huairou)





CCMI's Activities in 2014

Month	Name	Venue/The way	Res. Department
Jan	Spring Festival Meeting-Leadership	Beijing	Affairs Department
Feb	The Second Meeting of The Seventh SBD	Post/E-voting Beijing	Affairs Department Affairs Department
leb	Employee Training (Rules and English)	, ,	Exhibition Department
	CCMI-MEIC Meeting-Operating Manuel & Evaluating Specifications	Beijing	Form Press, INC
	Survey of Forging/Stamping/Fabricating	within Chinese territory	Lab for Forging and Metalforming Industry
	Investigation of Technology in Forging/Stamp-	within Chinese	Conference Department
	ing/Fabricating	territory Shandong	Administrative and International Department
	Ring Forming Division Preparatory Meeting		Shandong IRAETA Heavy Zhangqiu Forging, Foundry and Heattreatment Association
	Credit Rating in Forging/Stamping/Fabricating Industry	within Chinese territory	Brain-storm Expert Service Center
March	Developing and New Tech Releasing Meeting (MetalForm China Promoting Meeting)	Shandong Boxing	Exhibition Department
	The Theory & Practical Tech Meeting-R&D/ Education/Production		Conference Department
	Modern Metaforming Training Class-Forging Automation		Training Service Center CMVS(Ass)
	Investigation of Forgemaster (Furnace and forging tech)	Within Chi- nese Territory	Lab for Forging and Metalforming Industry
	Brain-Storm Expert Meeting-Stamping (topic	,	Brain-storm Expert Service Center
April	undetermined) Developing and New Tech Releasing Meeting	Qingxian/	
	(MetalForm China Promoting Meeting)	Cangzhou/ Kunshan	Exhibition Department
	Aeronautical Materials Forming Technology Conference' 2014 Aeronautical Materials Forming Meeting' 2014	Chengdu	Conference Department Aeronautical Materials Forming Group
	Compiling Level Standards for Forging Industry	Beijing	Lab for Forging and Metalforming Industry
	Stamping Summit-Drawing and Deep Drawing Modern Metaforming Training Class-High-	Undetermined Suzhou	Conference Department Training Service Center
	speed Stamping Typical Forge Tech Meeting-Con-rods	Undetermined	CMVS(Ass) Form Press, INC
	7th AutoStamping China Meeting-Advanced	Undermined	
	Tech. and Tooling Summit Forging Simulation Meeting-Simulation Salon	Poiling	Form Press, INC
		Beijing	Administrative and International Department Conference Department
	Meeting on Computer, Information and Simulation Tech. In Forging Industry-CAD/CAE/		
May	CAM/ERP Developing and New Tech Releasing Meeting	Tianjin	Fullibition Department
	(MetalForm China Promoting Meeting)	Italy	Exhibition Department
	LAMIERA' 2014 in Italy OpenForge Meeting'2014-Domestic	Baotou	Exhibition Department
	Modern Metaforming Training Class-Cold-	Undetermined	Conference Department Training Service Center
	warm Forging Tech. No.1		CMVS(Ass)
	Tooling Club Meeting-Forging Die Welding Tech.	Chongqing	Administrative and International Department Conference Department
	PIQ-Evaluating Start	Within Chi- nese Territory	Exhibition Department Form Press, INC
	HeavyForge Council Meeting	Baotou	Lab for Forging and Metalforming Industry
	MetalForm Mexico 2014	Mexico	Conference Department
	Fab Summit-Fab processing Tech.	Suzhou	Form Press, INC
		Undetermined	Preparatory Group
	Ring Forming Meeting' 2014 17th National Secretary General Meeting	Shandong	Administrative and International Department Zhangqiu Forging, Foundry and Heattreat- ment Association
luna		Taiyyon	Affairs Department
June	High Speed Stamping Technology Conference ' 2014(Electic motor)	iaiyuan	Conference Department Administrative and International
	High Speed Stamping Meeting' 2014		Department(ASS)
	IFC2014	Germany	Conference Department
	New Developments in Sheet Metal Forming and Hydroforming		Affairs Department Conference Department(ASS)
	Financial Meeting in Forging Industry	Undetermined	Conference Department
	Container Head Forming Technology Conference'2014	Chengdu	Conference Department Form Press, INC
	Container Head Meeting' 2014		Administrative and International Department(ASS)
1.2	Brain-Storm Expert Meeting-Fabricating(Sheet Roling)	-	Brain-storm Expert Service Center
July	Fine Blanking Technology Conference' 2014 (the 7th) Fine Blanking Meeting' 2014	Undetermined	Conference Department
	Supply-Production-Application Meeting	Beijing	China Forge and Metalform Net
	Modern Metaforming Training Class-Automotive Stamping Tech	Undetermined	Training Service Center CMVS(Ass)
	The Third Meeting of The Seventh SBD	Post/E-voting	Affairs Department

Aug	Press for MetalForm China 2014	Beijing	Exhibition Department
	Bechmarking Delegates to North Kerea(or	The related	Administrative and International Department
	Vietnam or Thailand)	Country	
	Modern Metaforming Training Class-Cold-	Undetermined	Training Service Center
	warm Forging Tech. No.2		CMVS(Ass)
Sep	ChinaForge Fair Conference(Forging Direc-	Beijing	Conference Department;
	tors Meeting' 2014)		Administrative and Internationa
	MetalForm Conference(Stamping Directors		Department(ASS);
	Meeting' 2014)		
	Sheet-metal Forming Meeting'2014		
	MetalForm Conference(Fabricating Directors		
	Meeting'2014)		
	Metal Fabrication Meeting '2014		
	MetalForm China	Beijing	Exhibition Department
	Compliment with:		
	-Latest Technology and Products Promotion		
	Press		
	-Qualified Suppliers Recommended		
	-Buyers Forum for Forging, Stamping and		
	Fabricating Parts		
	-"Shen Gong(Masterpiece)" Metal Formed		
	Parts Awards		
	-On-site Promotion Meeting for Technology and Talents		
	IFM2015(19Th)	Japan	Conference Department
	Meeting for Level Standards for Forging In-	Beijing	
	dustry	, ,	Lab for Forging and Metalforming Industry
		Undetermined	Engine Con-rod Division
	Engine con-Rod Meeting' 2014		Administrative and Internationa
			Department(ASS)
	SENAFOR 2014, Brazil	Brazil	Conference Department
	Railway and Locomotive Forging Tech. Con-		Conference Department
	ference' 2013		Railway and Locomotive Forging Division
	Railway and Locomotive Forging Meeting		Administrative and Internationa
	2013	F	Department(ASS)
	ICOSPA' 2014	France	Conference Department
Oct	Forging Simulation Meeting-Simulation Salon	Undetermined	Administrative and International Department
	Brain-Storm Expert Meeting-Forging(Waste	Changchun	Brain-storm Expert Service Center
	Heat and Control Cooling) Management Salon-Financial Issue	Undetermined	Training Service Center
	Management Salon-Financial issue	Ondetermined	CMVS(Ass)
	Stamping & Enhricating Summit Flourter	Undetermined	· · ·
	Stamping & Fabricating Summit-Elevator	Germany	Conference Department
	Euroblech 2014	•	Exhibition Department
Nov	AFM 2014	Taiwan	Conference Department
	Stamping Summit-Hydroforming	Undetermined	Conference Department
	Forging Tool and Lub China Meeting	Undetermined	·
	Modern Metaforming Training Class-Open-die	Undetermined	Training Service Center
	Forging and heattreatment		CMVS(Ass)
	4th ForgeEquip China Meeting	Undetermined	Form Press, INC
Dec	Employee Training (Rules and English)	Beijing	Affairs Department
	Stamping Summit-Hot Stamping	Baoding	Conference Department
	ForgeHeat Treatment Conference-Closed-Die	Undetermined	Conference Department
	g		

Notes(1) The date, venue and topics will be changed based the demand from our industry. Of course, we also keep the right to delivery a new activities. Please visit website (www.chinaforge.org.cn) frequently. (2) ASS=Assisting(1) CMVS-China Mechanical Vocational School.

Authoritative Reference Book of Metal Forming Industry



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METALFORMING MACHINERY &

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Target Readers: purchasers of enterprises that manufacturing forgings, stampings, sheet metal parts, tubes, and other metal parts, the OEM enterprises, government sectors, and domestic & international companies, etc.

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