Chinese National Report on Cold Forging

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Shanghai Jiao Tong University

1. National organizations of cold forging in China

The Precision Forging Committee of China Society for Technology of Plasticity (CSTP) is the national academic organization and the center of the professionals in the fields of cold forging technology. Since January 2014, the “Road Map of Plasticity Forming Technology” which will play an important role in the future forming technology development in China, started to be compiled by CSTP, the Precision Forging Committee is responsible for the road map of precision forging technology in China.

The confederation of Chinese Metalforming Industry (CCMI) founded in July 1986, is a unique national metal forming industry organization in China. The China Cold Forming Group (CCFG) of CCMI plays a key role in the promotion of cold forging industry in China. The 7th Cold, warm and hot precision forging conference was held by CCMI from 18-20 May 2015 in Xi'an. More than 300 participants attended this conference. The conference includes the national planning and industry policy introduction, technical report regarding forging production, tool making, simulation, talent training from industry and academia, as well as the forging company tour.

2. Cold Forging Industry in China

Precision forging is an important manufacturing procedure. With its advantages of improved strength, good tolerance, saving billet material, dispensing with the cutting, etc, it catches continuously attention of forging producers in China in recent years. Some of the famous producers are (in alphabetical order): CH-Forging (Taicang), GKN Shanghai, Haiyan 3D Extrusion Molding, Hirschvogel (Pinghu) Automotive Components, Jiangsu Airship, Jiangsu Pacific Precision Forging (PPF), Jiangsu Sunway Precision Forging (SPF), Jinagsu Longcheng Precision Forging, Luoyang Qinhon Cold Forging, Shaanxi Fast Gear, Shanghai Aichi Forging, Shanghai Dongfu Cold Forging, Shanghai Haiwei Cold Extrusion, Taicang Juxin Precision Tooling, Tianjin Toyota Forging, Zhangjiagang Stone Forge, Wuhu Hetian Automotive, etc.

3. University / Institute Researches

There are more than 40 universities or research institutes which do researches on metal forming in China. Some of them have been involved in precision forging research for years, such as (sort alphabetically): Beijing Research Institute of Mechanical and
4. Selected Publications


