

# Investigation Report on China Wind Turbine Component Manufacturers, 2009

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## *Wind Turbine, Wind power, Component*

In 2008, the growth rate of global wind power capacity was 28.8 percent, higher than the average growth rate in the past ten years. By the end of 2008, the total installed capacity of wind energy equipment reached 120.8GW. The additional installed capacity in 2008 was more than 27GW, 36 percent year-on-year growth.

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## Description

Currently, wind power is an important one in the world's energy family. In 2008, among the installed world's new electricity generating equipment, the total value of wind turbines is more than 400 billion dollars.

In 2008, the growth rate of global wind power capacity was 28.8 percent, higher than the average growth rate in the past ten years. By the end of 2008, the total installed capacity of wind energy equipment reached 120.8GW. The additional installed capacity in 2008 was more than 27GW, 36 percent year-on-year growth.

In 2008, an additional installed capacity of wind power in China was 6.3GW, the total installed capacity reached 12.2GW.

To cope with the impact of financial crisis, the Chinese government has been regarded the development of wind energy as one of the key economic growth points. According to the current pace of development, China's total installed capacity in 2010 will be the second largest in the world, realizing the original plan of achieving the goal of 30GW in 2020 a decade ahead of schedule.

China's growing wind power market has also stimulated the domestic wind turbine and components production. Manufacturing become more mature, and gradually cover the entire supply chain.

At present, Chinese enterprises will not only meet the domestic demand, but also begin to supply the international market, especially the parts.

The present report on China wind power equipment manufacturers' survey will reflect the substantial industry market information displayed to the readers

Through this report, more information can be obtained as follows:

Brief Introduction of Main Wind Power Equipment Manufacturing Enterprises and Their Production Capacity

- ✓ Blade Manufacturers' Situation
- ✓ Gearbox Manufactures' Situation
- ✓ Gearbox Manufactures' Situation
- ✓ Main Casting Manufacturers' Situation
- ✓ Inverter Manufacturers' Situation
- ✓ Casting Manufacturers' Situation

- ✓ Tower Tube Manufacturers' Situation
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### 2 Main Blade Manufacturers

- 2.1 ZhongHang (Baoding) Huiteng Windpower Equipment Co., Ltd
- 2.2 Lianyungang Zhongfu Lianzong Composites Group Co. Ltd
- 2.3 Shanghai FRP Research Institute
- 2.4 Sinomatech Wind Power Blade Co., Ltd
- 2.5 China Energy Wind Power Equipment Co., Ltd.
- 2.6 LM Fiberglass (Tianjin) Co., Ltd.
- 2.7 LM Fiberglass (Xinjiang) Co.,Ltd.

### 3 Main Gearbox Manufacturers

- 3.1 Nanjing High Speed Gear Manufacturing Co., LTD.

- 3.2 Chongqing Gearbox Co., Ltd.
- 3.3 Winergy Drive Systems (Tianjin) Co., Ltd
- 3.4 China National Erzhong Group Co. LTD
- 3.5 Dalian Heavy Industry Group Co., Ltd. General Lifting Machinery Factory
- 3.6 Hangzhou Advance Wind-Power Gearbox Co. Ltd.

#### 4 Main Bearing Manufacturers

- 4.1 SKF (Dalian) Bearings and Precision Technologies Co. Ltd.,
- 4.2 Introduction of Domestic Main Bearing Manufacturers

#### 5 Main Inverter Manufacturers

- 5.1 Beijing ABB Electric Drive System Co., Ltd.
- 5.2 Emerson Network Power CO., LTD.
- 5.3 Beijing Corona Science& Technology CO., LTD.
- 5.4 Harbin Jiuzhou Electric CO., LTD
- 5.5 Cino-harvest Wind Power Technology CO., LTD.

#### 6 Main Casting Manufacturers

- 6.1 Jiangsu Jixin Wind Energy Technology CO., LTD.
- 6.2 Hangzhou Sound Foundry CO., LTD.
- 6.3 Ningbo YEONG-SHANG Casting Iron CO.,LTD.
- 6.4 Dalian Huarui Heavy Industry Cast Steel Co., Ltd.
- 6.5 Wuxi FAW Foundry CO., LTD.
- 6.6 Deyang Dongqi Foundry CO., LTD.
- 6.7 Shaanxi Diesel Engine Heavy Industry Co., Ltd

#### 7 Main Tower Tube Manufacturers

- 7.1 Taisheng Power Engineering Machinery Co., Ltd:
- 7.2 Qingdao Wu Pipe Co., Ltd.
- 7.3 Nanjing, Jiang S Group Co., Ltd.
- 7.4 Gan Su Ke Yao Electric Power CO.LTD
- 7.5 China Petroleum 7<sup>th</sup> Construction Company Metal Structure Factory
- 7.6 Shengli Oilfield Shengli Petroleum Chemical Construction Co., Ltd.
- 7.7 Jiangsu Baolong Electromechanical Mfg., Co., Ltd.
- 7.8 Huadian Heavy Industry Machinery Co., Ltd.
- 7.9 Baotou Beifang Chuangye Steel Structure Co., Ltd.

#### 8 Generators Manufacturers of China`s Wind Power Market

- 8.1 Yongji Electric Machine Factories, CNR

- 8.2 Zhuzhou CRS Electric Motr Co., Ltd.
- 8.3 Lanzhou Electric Corporation
- 8.4 Dalian Tianyuan Motors Co., Ltd.
- 8.5 Sichuan Dongfeng Electric Machinery Works Co., Ltd.
- 8.6 Zibo Traction Motor Group Co., Ltd.
- 8.7 Xiangtan Electric Manufacturing Group
- 8.8 Shanghai Nanyang Electrical Machinery Co., Ltd.

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### **Companies Mentioned**

- ZhongHang (Baoding) Huiteng Windpower Equipment Co., Ltd
- Lianyungang Zhongfu Lianzong Composites Group Co. Ltd
- Nanjing High Speed Gear Manufacturing Co., LTD.
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