

May 23, 2017

Aichi Steel Corporation

Shanghai Aichi Forging Completes 5,000-ton Fully Automated Forging Press Line for Crankshafts

—In response both to the expanding Chinese automobile market and to environmental regulations—

Aichi Steel Corporation (Headquarters: Tokai, Japan; CEO: Takahiro Fujioka) announces that its Chinese forging subsidiary, Shanghai Aichi Forging Co., Ltd. (Headquarters: Shanghai, China; President: Sadamu Sakamoto; hereinafter “Shanghai Aichi Forging”), has established a new 5,000-ton fully automated forging press line for crankshafts within its plant, which is located in China, the world’s largest automobile market. The line-off ceremony took place on May 23, 2017.

Shanghai Aichi Forging is a Chinese forging base for the Toyota Group. It produces a wide range of Forged Products, including parts for engines, drive motors, and chassis, and supplies them to major automobile manufacturers in China and South East Asia. As they are key components of the engine, which lies at the heart of all automobiles, crankshafts need to be strong, easy to machine, durable, and of exceptional quality.

Environmental regulations have led to increased demand for compact, high-output engines all over the world, particularly in China, and the trend for high-strength, lightweight crankshafts is accelerating. There is expected to be a shift in demand from cast parts to forged parts, as they can be made even stronger, and for this reason Shanghai Aichi Forging has established its new 5,000-ton fully automated forging press line for crankshafts. The company aims to increase its crankshaft production capacity by 40 percent and its overall productivity by approximately 200 percent.

In order to respond fully to new movements both in our customers’ expanding global production and in environmental regulations, the Aichi Steel Group intends to step up its planned investments into domestic mother lines and each of its overseas forging bases, and establish an optimal production system for all its manufacturing processes. Such initiatives will enable the Group to work closely with its customers from the development stage of its parts and provide in a timely manner high-quality, high-precision products that use the strengths of its “integrated development process for forged steel parts” in manufacturing. This, in turn, will increase the global competitiveness of our company, and thereby contribute to the creation of “ever better cars” and to the conservation of the global environment.

Equipment Overview

1. Equipment: 5,000-ton fully automated forging press line
2. Location: Within the Shanghai Aichi Forging Co., Ltd. plant
3. Products: Crankshafts
4. Production capability: 1 million units per year
5. Investment: 1.2 billion ye



5,000-ton fully automated forging press line

Overview of Shanghai Aichi Forging Co., Ltd.

1. Company name: Shanghai Aichi Forging Co., Ltd.
2. Address: No.3300, Jiaan-Road, Shanghai 201814, China
3. Annual revenues: 9.2 billion yen
4. Production volume: 34,000 tons per year
5. Products: Crankshafts, Connecting rods, High-mounted knuckles, Ring gears, etc.
6. Number of employees: 319



Shanghai Aichi Forging Co., Ltd. Offices