

# Aishin Iron Works Co., Ltd.



Flawlessly performing everything from component manufacturing to assembly – Providing solid support for massive sites, including ports, shipyards, steel works, and chemical plants, from the ground up and down to the details

Category Wind Turbine Manufacturing > Crane-Related Equipment Manufacturing



## Traveling devices, runaway prevention devices, and suspension equipment key to the safety of large cranes

Aishin Iron Works maintains its own integrated system for all stages including plate rolling, welding, machining, painting, and assembly in its involvement in the manufacture of large cranes, machinery and equipment for chemical plants, and more. In its mainstay, the manufacture of crane-related equipment, the company supplies a large number of traveling devices, runaway prevention devices, and suspension equipment for large cranes used by ports, shipbuilders, electric power companies, blast furnace manufacturers, and other customers. The company manufactures a diverse range of products according to the type and size of crane. Rail clamps, which have attracted attention in recent years as important safety devices, are assembled to an accuracy of 0.1 mm or less through adjustment of the component

configurations on a millimeter-by-millimeter basis to increase gripping and holding force. In terms of suspension equipment, in addition to spreaders used for container loading and unloading at ports, the company has also manufactured spreaders used in the removal of radioactive waste. This equipment is all critical for the safety and reliability of cranes, meaning demands for high-precision technical capabilities and high-quality deliverables strictly adhering to relevant standards and specifications. Aishin Iron Works combines high levels of individual expertise with comprehensive capabilities covering everything from small component manufacturing to maintenance, enabling it to satisfy customer needs with speed and meticulous precision.

### Adoption Record

#### Introduction of solar power generation equipment



Aishin Iron Works has installed solar power generation equipment for self-consumption to reduce CO<sub>2</sub> emissions in manufacturing processes. The company aims to procure all of the large amounts of electricity it requires from renewable energy sources, while advancing labor-saving measures such as building automated production lines as well.

#### Introduction of coordinate measuring machines



Manufacturing more reliable machinery and equipment necessitates increasing the accuracy of the components that make up the equipment. The company has introduced coordinate measuring machines in its facilities to level out variations in inspection techniques due to differences in operator experience, as well as to improve work efficiency.

### Main Equipment and Machinery

- 5-Face Machining Gantry Center: MCR-A5C (25x40), Gantry Width 2550mm, Axis Travel 4200mm / 1 unit
- 5-Face Machining Gantry Center: X1500, Y2500, Z700 / 1 unit
- CNC Horizontal Boring Mill: X1800, Y1500, 100 & X1000, Y1000, 80 / 1 unit each
- CNC Vertical Machining Center: X2500, Y1000, Z700 / 1 unit
- Vertical Machining Center: X1000, Y560, Z520 / 1 unit
- NC Lathe: 400 x 1200 & 650 x 2000 / 1 unit each

### Company Information

Business: Manufacturing of crane-related equipment, valve maintenance for plants, design and manufacturing of machinery for chemical plants  
 Location: 12-50 Shimizu-cho, Niihama, Ehime Prefecture, 792-0861  
 Established: December 1961 Capital: 10 million yen Employees: 35  
 Representative: President Seiichiro Kataza  
 Tel: 0897-33-7070 Office: Niihama City  
 Metropolitan Area Contact: Niihama Headquarters Tel: 0897-33-7070  
 E-mail: aishin@aishin-web.jp URL: https://aishin-web.jp