

DAIRIKI Co., Ltd.



Extensive experience with environmental equipment for thermal and biomass power generation:
Processing large products for diverse sectors, including manufacturing large recreational facilities

Category Fixed Foundation Manufacturing > Large Plate Rolling & Machining



Maintains facilities capable of large plate rolling at up to 10 m x 10 m and extensive expertise in welding techniques

Four production facilities in Saijō City, including the head factory, DAIKIKI facilities and equipment including hydraulic presses with 2,000-t maximum capacities, NC laser cutting machines, and plasma fusion cutting machines (300A). enable the company to process large products with up to 80-t standalone weights and both 10-m widths and heights. It has established an integrated production system from material cutting to forming, assembly, and shipping out. Leveraging its strengths in advanced technologies such as plate rolling and welding, assessing changes in the properties of materials due to factors including metals' characteristics and methods of processing to calculate finishing methods for processing, DAIKIKI has an extensive track record involving environmental equipment for thermal

Materials used: Iron, stainless steel / Production sizes: Up to 10-m diameters and 80-t weights

power and biomass power generation plants, including items such as dust collectors and bag filters. The company is also involved in processing large products in a diverse range of fields, including the manufacture of large recreational facilities and composite slabs for bridges. Leveraging the plate rolling technologies and production capabilities it has cultivated over many years, DAIKIKI has also turned a focus in recent years to the manufacture of overhead cranes. Additionally, the company has a track record involving the welding of foundations for fixed-bottom offshore wind power generation projects. Its head factory is directly connected to a public wharf, enabling the delivery of large products by marine transport.

Adoption Record

Large dust collectors used in thermal and biomass power plants



DAIRIKI manufactures large dust collectors that discharge clean air after removing dioxins contained in flue gas from power generation plants. Dust collectors delivering efficiency and high precision are produced by the company's main plant and two affiliated plants equipped with large-scale processing facilities. The company is also slated to offer contributions in the environmental equipment sector in conjunction with the Osaka Expo to be held in 2025.

Manufacture of rails for recreational facilities



DAIRIKI, which also specializes in metal processing, has produced rails for numerous recreational facilities including roller coasters and Ferris wheels. The company's integrated production system equips it to flexibly handle the curves and ring shapes often employed in equipment for recreational attractions. In addition to domestic Japanese projects, the company has delivered products to China, South Korea, and other countries as well.

Main Equipment and Machinery

- Laser Cutting Machine: Effective cutting length 50m, width 3.5m, cutting capacity SS 22mm, SUS 12mm / 1 unit
- 2000t Press: Gate width 6.1m / 1 unit
- Plasma Cutting Machine: Effective cutting length 28m, width 5.5m, cutting capacity 36mm / 1 unit
- NC Drill Machine: 1 unit ● Band Saw Machine for Section Steel: 2 units
- Iron Worker: 2 units ● NC Beam Worker: 1 unit
- Autoborer: 1 unit ● Chamfering Machine: 2 units

Company Information

Business: Crane Manufacturing, Plant Equipment (Dust Collectors), Amusement Facilities (Roller Coasters, Ferris Wheels, etc.), 3D Ship Hangars
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