

Our Business Domains

The JSW Group comprises 53 subsidiaries (of which 34 are consolidated) and five affiliates (of which one is an equity-method affiliate). Our operating domains are the Steel and Energy Products Business, the Industrial Machinery Products Business, and the Real Estate and Other Businesses.

We maintain the Muroran, Hiroshima, and Yokohama plants. Our integrated lineup ranges from steel manufacturing to machinery.

Steel and Energy Products Business

Sales Composition

36%

■ Steel Products



At the Muroran Plant, which manufactures steel in electric furnaces, we produce a broad range of cast products and steel ingots for forged products. In ingots for forgings, we have one of the world's largest production capacities, of 650 tons. Our range of presses and hammers of various types and sizes, including two 14,000-ton hydraulic presses, ensures that we can deliver forgings in any needed shape. After undergoing heat treatment, machining and finishing, the cast, and forged steel products are used in the electric power generation industry (fossil fuel, hydroelectric and nuclear) as well as for steel-making, oil refinery, and industrial machinery and facilities. In addition to being a leading global supplier of numerous extra-large cast and forged steel products, our plants produce a wide range of high-quality small and medium-sized steel cast and forged products.

Business Lines

Production and sale of products for power generation, steel-making, chemical machinery, nuclear power-related equipment, die materials, and other areas

■ Steel Plates and Structures



At the Muroran Plant, which has one of Japan's largest 4-thick plate reversing rolling mills, we can roll high-quality, extremely thick, wide, and long steel plates (maximum thickness: 350 millimeters, maximum width: 4.8 meters, maximum length: 20 meters). Using advanced manufacturing technology we now mainly produce high-quality clad steel plates and clad steel pipes using clad steel plates. All of our products are used in a wide range of industrial applications in Japan and overseas, giving this business a unique profile. In addition, the Muroran Plant integrates the various forged steel products it manufactures and leverages the Company's state-of-the-art welding technologies and facilities to produce very large welded structures, such as pressure vessels for oil refineries and petrochemical plants, in an integrated process extending from raw materials to finished products. As a result, we are meeting demand both in Japan and overseas.

Business Lines

Production and sale of products for oil refining, petrochemical, general chemical, and power generation industries, as well as a wide range of pressure vessels, clad steel plates, clad steel pipes, extra-thick steel plates, and other areas

■ Wind Turbines



This sector deals with the entire wind turbine power generation system business, designing its own towers, blades and equipment required by wind power generator businesses. Among these businesses, higher power generation efficiency and reliability as well as ease of maintenance have been achieved for power generators (J82) through the use of permanent magnet synchronous generators and the elimination of step-up gears.

Business Lines

Production, sale and maintenance of wind turbine system equipment

Production encompasses steel casting and forging products (Muroran), steel plate and steel structures (Muroran), wind turbines (Muroran), plastics machinery (Hiroshima and Yokohama), and other machinery (Muroran, Hiroshima, and Yokohama). We have responded to changes in the industrial structure by diversifying our businesses and launching environmental businesses.

Industrial Machinery Products Business

Sales Composition



■ Plastics Machinery



At the Hiroshima Plant, we produce injection molding machines, pelletizers, twin-screw extruders, and film and sheet manufacturing equipment. At the Yokohama Plant, we produce blow molding machines and spinning extruders. In injection molding machines, we offer a lineup of electrically driven machines, all of which feature both improved productivity and energy-saving standards along with enhanced basic performance and molding precision. We also have leveraged power regeneration technology already in place while creating more advanced temperature controls, thereby conserving even more energy. To respond to diversifying needs in these product markets, we have established a Technology Development Center within the Hiroshima Plant and engage in wide-ranging consultation with product users, enabling us to put in place an integrated development system to cope with changing demand, from plastic manufacturing to processing machinery.

Business Lines

Production and sale of plastic injection molding machines, plastic production and processing machinery (including pelletizers, compound extruders, film and sheet manufacturing equipment, etc.), and blow molding machines

■ Other Machinery



Supported by proprietary technologies and facilities at the Hiroshima, Yokohama, and Muroran plants, JSW produces industrial machinery for a wide range of demand, including defense equipment, power plant equipment, magnesium alloy injection molding machines, aluminum die-casting machines, laser annealing systems, rolling stock parts, and environmental facilities.

Business Lines

Production, sale and maintenance of fluid machinery, hydraulic machines, machinery for the production of electronic components and displays (laser annealing systems, etc.), magnesium alloy injection molding machines, aluminum die-casting machines, tightlock couplers and dampers, and defense equipment