

Our Business Domains

The JSW Group comprises 49 subsidiaries (of which 31 are consolidated) and three 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.

With three plants in Muroran, Hiroshima, and Yokohama, JSW manufactures a wide range of plastic production and processing machinery as well as molding machines as a general plastic machinery manufacturer. At the same



Industrial Machinery Products Business

Plastic Production and Processing Machinery



We manufacture and sell a variety of plastic production and processing machinery, which are highly regarded by users around the world, for a wide range of applications and purposes. Our product lineup in this field includes pelletizers that manufacture plastic pellets; twin-screw extruders for compounding, reactive processing, dewatering, and devolatilizing; film and sheet equipment; and spinning extruders for synthetic fibers.

Business Lines

Production, sale, and maintenance of plastic production and processing machinery (including pelletizers, compound extruders, film and sheet equipment, etc.)

Molding Machines



All of our standard plastic injection molding machines are provided as an electric type to improve the basic performance of the machines themselves, offer higher precision, provide high productivity and energy saving. The new ADS Series realizes further energy savings via the revised servo control system.

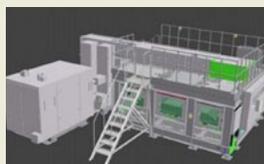
We have also supplied a diverse range of blow molders, which produce various tanks and bottles for automotive gas tanks, thereby meeting various customer needs and receiving high praise.

As for magnesium thixomolding machines, we currently provide a lineup of third-generation injection molding machines that realize more stable molding, a smaller footprint, and energy savings. Demand for these machines is expected to expand in the foreseeable future as more and more magnesium parts are adopted in the automotive field.

Business Lines

Production, sale, and maintenance of plastic injection molding machines, blow molders, magnesium thixomolding machines

Flat Panel Display Devices



We have been designing and manufacturing excimer laser annealing (ELA) systems, which are used for mass production of high-quality liquid crystal displays (LCD), at the Yokohama Plant since 1995.

We also offer and market laser lift-off (LLO) systems for the production of flexible displays, which are anticipated as promising next-generation displays. Leveraging laser application technology as our core competence, we aim to expand into the fields of FPDs and semiconductors.

Business Lines

Electronic components and displays (laser annealing systems, thin-film deposition systems, etc.)

time, we engage in the production of high-quality cast and forged steel products as well as steel plates and pipes as a time-honored steel manufacturer. In response to changes in the industrial structure, we have not only made a foray into the fields of flat panel display (FPD) devices and wind turbines but also explored opportunities in new business domains, promoting the fostering and development of business in four areas, namely, aircraft components, hydrogen, crystal devices, and deposition systems.



Steel and Energy Products Business

Electric and Nuclear Power 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 670 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 refineries, 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 power generation equipment nuclear power-related equipment, etc.

Clad Steel Plates and Pipes



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.

Business Lines

Production and sale of clad steel plates, clad steel pipes, extra-thick steel plates, etc.

Other Steel Products



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 steelmaking, die materials, oil-refining, petrochemical, and general chemical products, chemical machinery, etc.