Creating Metal Artists

DAIHEN contributes significantly to the manufacturing technology of customers all over the world by world-leading welding & robot technologies.

Welding is the main metal-joining force used at production sites for automobiles, trains, ships, and large structures such as bridges and skyscrapers. DAIHEN makes use of unique welding control technologies and presents welding machines to the market that satisfy even the minute details of production site demands. In addition, DAIHEN combines welding and robot technologies to provide high value-added welding robots using the top class technologies in the world. Our products meet the automation manufacturing demands that become more complex and sophisticated year after year. Furthermore, DAIHEN applies these technologies to developing and manufacturing clean transfer robots for semiconductor production lines. DAIHEN provides total support for the customers around the world through our global network by providing welding training classes, robot training classes and service.

Solar Power Generation Equipment
Wireless Power Feeding Power System

Solar Power Generation Equipment
- Solar power generation panels
- Array power generation panels
- Power generation control panels

Wireless Power Feeding Power System
- Power distribution panels
- Distribution facility panels
- Power distribution control panels

Social Contribution Activities
School field trips
Vocational programs for senior high students (Trial Week)
Community cleanup activities

DAIHEN Rokko Plant

The welding control LSI “Welbee” is the result of 6 years of development that sought an answer to what the ideal welding machine might be. It has open-world robots to allow workers in welding by greatly improving welding quality, speed, and range.

A highly rigid arm enables fast and accurate transfer.

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As a member of the local community, the Rokko Plant strengthens exchanges and forms good relationships with people in the area. It also fulfills its social responsibilities as a business organization through various support activities.

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Most Advanced Automated Factory where Robots Make Robots — This is what DAIHEN is Pursuing

In order to instantly understand "where", "what", "how", and "in what manner"

- To improve the efficiency of raw material service operations by using a system connecting the automated warehouse and the subsystem
- To fully automate transportation operations that are performed with hand trucks at the robot inspection areas and loading areas using AGFs
- To improve the efficiency of operations by using tablets to browse automated warehouse information and send transport instructions to the AGFs

The challenge to FA

The challenge to FA

Made possible because we are robot manufacturers

Cell production system that condenses the latest technology

- To reduce the manpower needed for assembly and to promote desking by automating manually performed assembly operations dependent on the proficiency of workers
- To eliminate variation in performance due to worker differences and maintain a constant level of quality with high accuracy
- To automate production by combining element technology, such as robot sensors and handling with our robots

Flexible Manufacturing System area

This plant uses IT as well as a production management system that utilizes tablets. Furthermore, each cell is automated and an automated transport device (AGF) is used for transport between cells.
The latest products for supporting society on display

At DAIHEN’s showroom, customers see the latest welding products the company has to offer. The more you know, the more interesting they are.

DAIHEN’s technologies have time and time again proven useful to society, as they have been used to build ships, trains, bridges, buildings, etc. The showroom puts on display and explains DAIHEN’s newest welding machines and torches, industrial robots and other products.

Where State-of-the-Art Technologies Meet Customer Needs

Industry’s top level of demo laboratories

DAIHEN has demo laboratories where customers can try the latest welding technologies. It includes private pilot production labs that ensure complete security.

State-of-the-art equipment such as high-speed cameras that can capture welding droplet transfer and macro profiles of welding penetration are available to assist customers in their welding trials.

Welding/robot school for learning the latest technologies

Get your welder’s license! Training in both beginner and advanced welding.

DAIHEN’s Technical Center has welding/robot school that provides training in the latest welding/robot technologies. Participants practice on actual equipment and learn from engineers of the highest level in the industry. Various courses are offered from the basics to applications that participants can choose according to skill level and objective. DAIHEN’s training program will help participants obtain the license they seek.

Large-scale equipment demonstrations at any time

Customers can try out the latest welding and robot technologies at any time without losing time with setup work.

Equipment is permanently on display in order to quickly impart exhibition-like demonstrations of welding and robot technologies at any time. Customers can see for themselves the high quality rendered by DAIHEN’s welding machines and robots, and the robot-driven automation solutions that DAIHEN has to offer.

At the end of training, DAIHEN issues participants a certificate of completion. Special training in welding safety and health protection is also available, and financial aid can be obtained to cover tuition costs in some cases.