

Takuma Provides New Value for Society in the Environmental and Energy Fields.

Takuma develops a variety of technologies around a core set of combustion technologies, including waste treatment and water treatment components.

Our businesses in the environmental and energy fields are dedicated to resolving environmental issues such as global warming and to helping achieve a recycling-oriented society.

At Takuma, our mission is to pursue technologies for coexisting in harmony with nature in order that humankind and the Earth might enjoy a truly rich and fulfilling future.

Municipal solid waste treatment plants

We support the realization of a recycling-oriented society using advanced waste treatment technologies that meet the needs of local communities.

- Energy from Waste plant
- Pyrolysis gasification and melting plant
- Resource recycling and collection plant
- Bulky garbage crushing plant
- Incineration ash and fly ash melting plant
- Waste to solid fuel conversion plant
- Transition and intermediate processing plant
- Raw fuel (biogas) recovery plant
- Various types of pollution prevention equipment



Energy from Waste plant Bulky garbage crushing plant

Industrial waste treatment plants

Using advanced incineration technologies, we can even treat toxic substances suitably and we are supporting the environmental protection efforts of industry.

- Step grate stoker incineration plant
- Rotary kiln and stoker incineration plant
- Fluid bed incineration plant



Industrial waste treatment plant Plant that generates power from industrial waste and provides heat to a plantation

Energy plants

Takuma's core technologies are utilized in various types of boilers such as biomass fuel boilers as well as total systems.

- Biomass boiler
- Fossil fuel boiler
- Waste heat boiler
- Power generation plant



Biomass power generation boiler Waste heat boiler

Water treatment plants

We are working to purify dirty water with a holistic perspective through a "dialogue with water."

- Sewage and wastewater processing plant
- Various types of advanced sewage processing plants
- Sludge processing plant
- Sewage sludge-fueled power plant
- Plant to process water that infiltrates final disposal sites



Continuous up-flow sand filter Purification of park pond water

General-purpose boilers

As the convergence of Takuma combustion technologies, our boilers are a reliable brand that has earned the support of a wide range of industries.

- Once-through boiler (Eqos, Super Eqos)
- Vacuum-type water heater (Vacotin heater)
- Package water-tube boiler
- Smoke tube boiler (RE boiler)
- Heat-transfer oil boiler (thermoheater)
- Radiation heating equipment (strip heater)
- Various equipment for ships

Note: These products are handled by Nippon Thermoener Co., Ltd., which is one of our group companies.

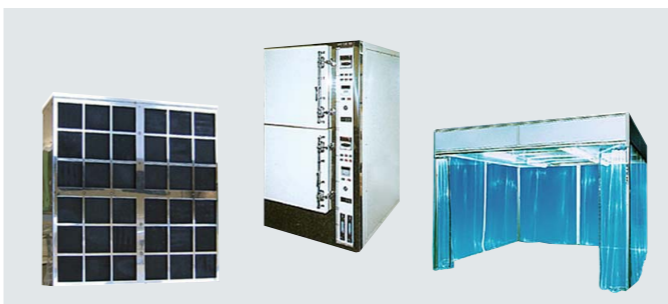


Vacotin heater Thermoheater Super Eqos RE boiler

Air-conditioning equipment and clean systems

We provide comfortable, clean environments to customers in the semiconductor industry as well as locations such as universities, research institutions, and hospitals.

- Building Equipment
- Air-conditioning Equipment
- Cleaning and Drying Devices
- Clean Room
- Clean Devices
- Chemical Filters



Chemical Filters Clean Oven Clean Booths

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