

Toward Environment-Friendly Corporate Activities

■ Environmentally Friendly Products and Technology Development by Division

Class	Reduced environmental load		Zero emissions		Energy/resource saving	
	Products	Technology	Products	Technology	Products	Technology
Pipe Systems Division	<ul style="list-style-type: none"> · Pipe-style breakwater seepage wall · Water-obstructing wall-type propulsion conduit · Penetration piles · Environmentally friendly scenic fountain facilities · Valves for underground facilities at shallow depths 	<ul style="list-style-type: none"> · Danby method of piping restoration · Vibration-resistant joint technology 	<ul style="list-style-type: none"> · Roadbed materials: · Recycling of melting-water processing materials · Recycling of cement mortar dehydrating sludge (?) · Stabilizing materials for tunnel floors (Hightom) · Facilities for converting discarded plastic to oil 	<ul style="list-style-type: none"> · Recycling technology for FW pipes 	<ul style="list-style-type: none"> · Vibration-resistant water storage tanks for emergency use · Compact hydroelectric power generating systems · Non-sprinkling snow-melting systems 	<ul style="list-style-type: none"> · For manufacturing processes: · (1) Applied combined cogeneration technology · (2) Temperature control technology for annealing furnaces · Energy-saving operation technology for pipe extraction
Industrial Materials Division	<ul style="list-style-type: none"> · Underground river segments 	<ul style="list-style-type: none"> · Drainpipe performance evaluation technology 	<ul style="list-style-type: none"> · Roadbed materials: · Recycling of sand discarded from casting 	<ul style="list-style-type: none"> · Recycling technology for casting sand 	<ul style="list-style-type: none"> · Centrifugal cast radiant tube MERT 	<ul style="list-style-type: none"> · Heat pattern improvement technology for annealing furnaces · Auto-annealing technology for cast products
Machinery Division	<ul style="list-style-type: none"> · Rice polisher · Livestock waste disposal treatment system · Vertical diesel engine (V3300 series, etc.) · Manifest issuing system for truck scales 	<ul style="list-style-type: none"> · Soundproofing design technology (tractors, construction machinery, engines) · Rice transplanting soil fertilizing technology · Simultaneous chemical distribution technology for rice transplanting · Clean exhaust gas technology (engines) 	<ul style="list-style-type: none"> · Marking to identify resinous parts of materials 	<ul style="list-style-type: none"> · Simplified disassembling design analysis technology 	<ul style="list-style-type: none"> · Backward small-swing mini-backhoe (auto-idle function) 	<ul style="list-style-type: none"> · Four-wheel drive technology for tractors · Work efficiency improvement technology · Various types of control technology · Speed-doubling turn technology and others (Tractors) · SST turn technology (Farming machinery) · Body weight reducing technology (Tractors, Farming machinery) · Technology to reduce weight per output (engines) · Integrated energy-saving technology for vending machines
Environmental Facilities Division	<ul style="list-style-type: none"> · "Super" garbage power generating system · Dioxin decomposition unit for landfill seepage water treatment · Denitrifying system for use with supports 	<ul style="list-style-type: none"> · Permeating organic flat-film water treatment technology · Dioxin control/decomposition technology 	<ul style="list-style-type: none"> · Wastewater sludge incineration and slagging furnace 	<ul style="list-style-type: none"> · Technology to retrieve valuable metals from melted ashes of ash melting furnaces (zinc, etc.) 	<ul style="list-style-type: none"> · Wastewater sludge circulating flow incineration system 	
Housing Materials Division	<ul style="list-style-type: none"> · Film-based integrated septic tanks for household use 		<ul style="list-style-type: none"> · Raw materials for cement: · Recycling of dehydrated sludge for construction processes 		<ul style="list-style-type: none"> · "Ecolony" solar power generating roofing tiles 	<ul style="list-style-type: none"> · Energy-saving technology for manufacturing processes · Efficient use of steam and retrieval of exhaust heat · Improved efficiency of drying furnaces · Prevention of motor slipping
Technology Development Division	<ul style="list-style-type: none"> · Bio-pesticides · Dioxin-reducing gasification fusion furnaces 	<ul style="list-style-type: none"> · Environmental hormones analysis technology · Non-CFC heat pump systems 			<ul style="list-style-type: none"> · Amorphous soft porcelain powder · Ceramic permeation membrane with nano-control function 	<ul style="list-style-type: none"> · Thermal power-generating devices