External Awards Received (since 1999)

National Invention Award

2003 Invention Award

Development of 3-channel polarized light steel sheet surface inspection equipment (Delta-Eye)

2001 Prime Minister's Invention Award
Development of producing method of ultra-low carbon steel by combined blowing basic oxygen in RH degasser

Invention Award

Development of organic coated steel excellently resistant to corrosion after forming

Japan Federation of Economic Organizations Chairman's Invention Award Environment-friendly regenerative low-NOx combustion technology

Invention Award

Development of high efficiency, multi-size rolling technology for high dimensional accuracy wire rod material and steel bars

Okochi Prize

The prize given to companies and individuals who have made significant contribution to industrial production

2003 Memorial Production Award

Establishment of waste plastic recycling technology for blast furnace feed

2002 Memorial Technology Award

Development and industrialization of critical cooling rate on-line accelerated cooling technology (Super OLAC)

2002 Memorial Production Award

Realization of ultra-short period blast furnace relining by innovative large capacity BF relining technology

2001 Memorial Technology Award 3-channel polarized light surface inspection equipment (Delta-Eye)

Memorial Technology Award

Development of environment-friendly new steelmaking process by zero-slag BOF operation

Memorial Production Award

Development of world's first endless hot strip rolling process and commercialization of new products

Iwatani Memorial Prize

2002 Development and industrialization of critical cooling rate on-line ac celerated cooling technology (Super OLAC)

1999 Development and world's first commercialization of gradient high-silicon magnetic steel sheet

Ichimura Industrial Award

1999 Contribution Award

Development of endless rolling technology in hot rolling

Energy Conservation Award

2003 Energy Conservation Center Chairman's Award
Development of ETL and TFS base steel sheet detergent for degreasing

Development and application of technology utilizing waste plastics as blast furnace feed

2000 METI Minister's Award

Energy Conservation Center Chairman's Award
 Energy conservation through activities to maximize equipment efficiency of oxygen plant
 MITI Minister's Award

Minimization of iron and steel making energy through development of new technology for measuring hot metal temperature

1999 Energy Conservation Center Chairman's Award

Activities for reducing oxygen gas dissipation

Energy Conservation Center Excellence Award

Introduction of regenerative burners in Chita small-diameter seamless pipe rotary furnace

Minister's Award for Global Warming Prevention (Environment Agency)

1999 Minister's Award Recycling of waste plastics for blast furnace feed

Excellent Energy Conserving Equipment Award

2000 METI Minister's Award

High-speed continuous annealing and heating system applying high-temperature rotary regenerative heat exchanger

New Energy Award (award for new energy equipment for the 21st century)

2002 New Energy Foundation Chairman's Award Floating-type solar power generation system

2000 Resources & Energy Agency Director General's Award
Project to produce fuel from wastes by gasifying & melting method in steelworks

Resource Recycling Technology & System Award (Clean Japan Center)

2002 METI Industrial Technology & Environment Bureau Director General's Award
Application of steel slag hydration hardening substance as materials for port &
harbor construction

2001 Clean Japan Center Chairman's Award
Technology for cascading & recycling of washing chemical fluorine nitric acid
2000 METI Industrial Technology & Environment Bureau Director General's Award

Technology for recycling stainless steel making dust using smelting reduction method

1999 Clean Japan Center Chairman's Award

Suppression of waste discharge in a casting plant (NIPPON KOKAN PIPE FITTING MFG. CO., LTD.)

Japan Society of Mechanical Engineers Award

2002 Japan Society of Mechanical Engineers Award (Technology)
Development and practical application of high-temperature waste gasifying & direct melting furnace

2001 Japan Society of Mechanical Engineers Award (Technology)
Continuous rolling mill of steel bar, section, and wire rod

1999 Japan Society of Mechanical Engineers Award (Technology)

Development of equipment for changing running direction of cold rolled steel sheet by air floatation

Combustion Society of Japan Award

2003 Technology Award

Development of next-generation stoker type waste incineration technology utilizing high temperature air combustion control technology

Technology Award
High-temperature waste gasifying & direct melting technology

The Society of Materials Science, Japan Award for Technical Developments

2002 Development of hot rolled high strength steel sheet-780MPa grade
NANO HITEN by controlling nano-size ultra minute precipitates

The Society of Chemical Engineers, Japan Technology Award

2003 Development of waste polyvinyl chloride resin recycling technology

Surface Finishing Society of Japan Award

2002 Technology Award

ology Award
Environment-friendly high-performance chomium-free steel sheet "Geo-Frontier Coat"

Japan Coating Technology Association Award

2001 Technology Award
Rust stabilization agent for weathering steel CUPTEN COAT M

Japan Society for the Promotion of Machine Industry Award

2001 Chairman's Award

Development of equipment for changing running direction of cold rolled steel sheet by air floatation

Excellent Environmental Equipment Award (Japan Society of Industrial Machinery Manufacturers)

2003 Chairman's Award
Fly-ash dioxin volatilizing and separating equipment (Hi-Clean DX)

2002 Chairman's Award

Automatic sorting system for plastic bottles

METI Industrial Technology & Environment Bureau Director General's Award Small-scale incinerator using carbonizing & gasifying method (Kawatetsu Machinery Co., Ltd.)

Japan Institute of Energy Award

2002 The JIE Award in Technical Division
Development of slurry bed dimethyl ether synthesis technology

Japan Ozone Association Award

Technology Award
Practical high-flux filtration system using ozone resistant microfiltration module

Recommended Technology Award
Promotive implementation of U-tube ozone contact equipment

Japan Society on Water Environment Award

2002 Technology Award Bio-tube system

Competition for Specialized Greening Technology for Rooftops, Wall Facings and New Green Spaces (Organization for Landscape and Urban Greenery Technology Development)

The Minister of Land, Infrastructure and Transport Prize The first prize for Rooftop Greening Technology ORTO YOKOHAMA

Shinagawa Greening Award

2001 CITYWINDS SHINAGAWA GARDEN COURT

The Japan Industrial Techniques Grand Prix

2003 The Special Award by The Examination Committee
Development and practical application of new on-line accelerated cooling technology (Super OLAC)

Recycling Award (NPO Recycle Solutions)

2001 First Planning Award

Marine Blocks (carbonated large solid block of slag for use in artificial reefs for seaweed and fish farming)