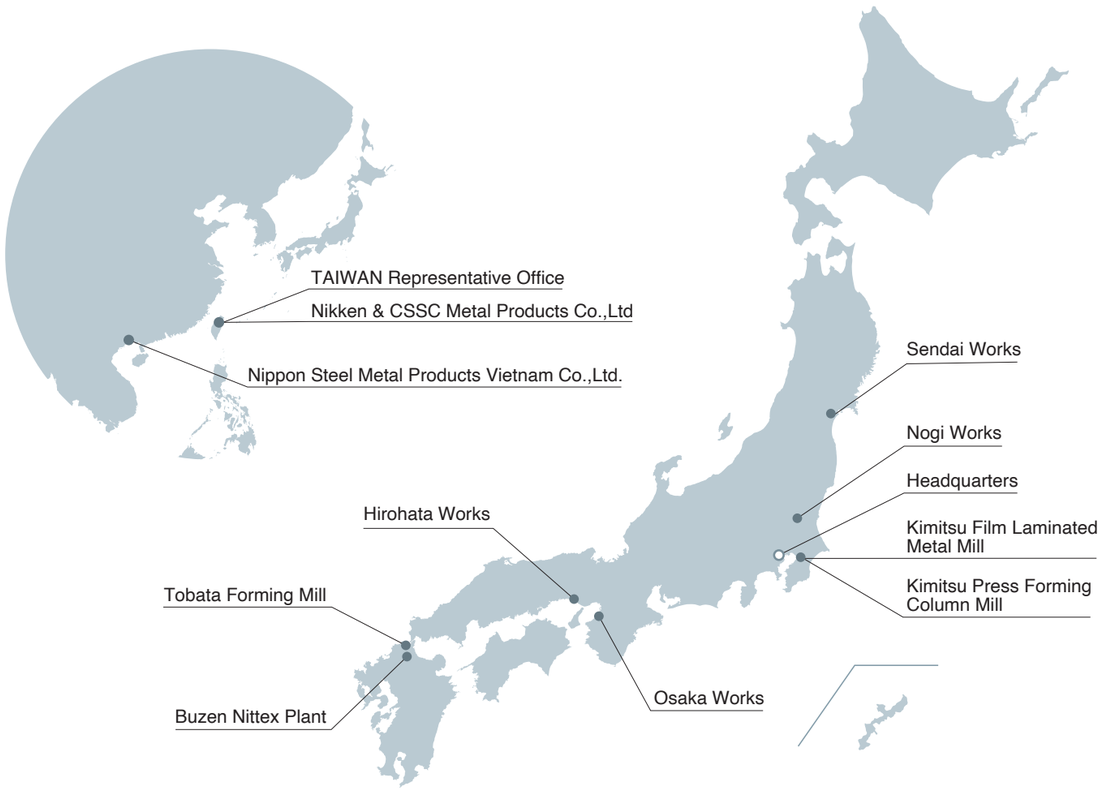
Corporate Profile

Company Name	Nippon Steel Metal Products Co., Ltd.
Date of Establishment	April 20, 1973
Headquarters	Akihabara UDX 13F, 14-1, Sotokanda 4-Chome, Chiyoda-ku, Tokyo, Japan
Capital	5,912,500,000 Japanese Yen
Representative	Shinji Minobe, Representative Director and President
Number of employees	1,822 (Consolidated, as of March 31, 2023)
Sales	Applox. 177 billion Japanese Yen (Consolidated, Fiscal Year 2022)
Stockholders	Nippon Steel Corporation 100%

List of Branch & Sales Offices, Works & Mills

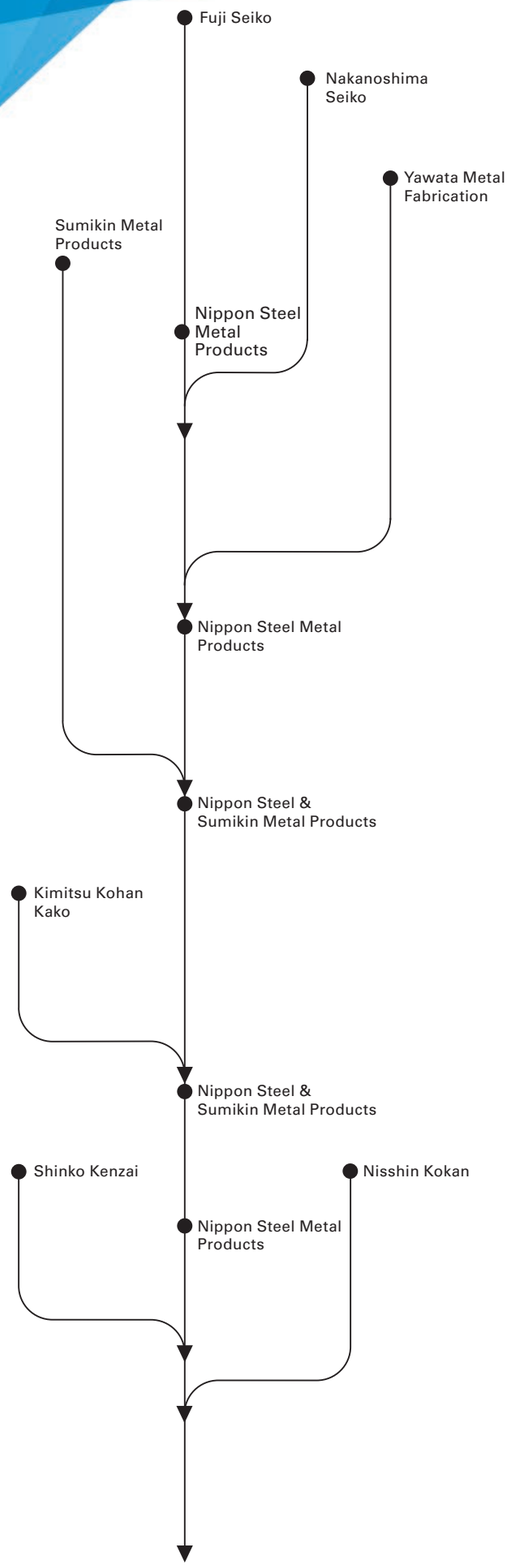
Hokkaido Branch　Tohoku Branch　Niigata Branch　Shizuoka Branch　Nagoya Branch
Hokuriku Branch　Osaka Branch　Shikoku Branch　Chugoku Branch　Kyusyu Branch
Nagano Sales Office　Kita-Tohoku Sales Office　Kamaishi Sales Office　Sanin Sales Office
Minami-Kyusyu Sales Office　Okinawa Sales Office



NIPPON STEEL

NIPPON STEEL METAL PRODUCTS
CORPORATE PROFILE

NIPPON STEEL METAL PRODUCTS CO.,LTD.



Front gate of the Fuji Seiko factory when it was founded

100 years of history passed down from five sources

The origin of NIPPON STEEL METAL PRODUCTS began with the establishment of “FUJI SEIKO” about 100 years ago, and in 1973, NIPPON STEEL METAL PRODUCTS was formed by the spin-off and separation of NIPPON STEEL CORPORATION's Kawasaki Works and Division of Processed Products Business. Later, it was merged with NITTETSU ECON (formerly NAKANOSHIMA SEIKO), and then in 1980 with NITTETSU METAL FABRICATION (formerly YAWATA METAL FABRICATION).

The year 2006 saw a business integration with the road and civil engineering-related business of “SUMITOMO METAL STEEL PRODUCTS (formerly: SUMIKIN METAL PRODUCTS)” and in 2016, following a business integration with “NIPPON STEEL & SUMIKIN COLUMN (formerly: KIMITSU KOHAN KAKO)”, the present day NIPPON STEEL METAL PRODUCTS was formed.

The flow (of history) from several large sources has been merged and handed down from generation to generation, and during this period, NIPPON STEEL METAL PRODUCTS has grown as a company with new vitality and diversity by combining each of its superior products, technologies, human resources, and culture.

Life Protected by Steel
Future Created by Steel

Greetings

NIPPON STEEL METAL PRODUCTS is a construction material manufacturer that supplies steel products in the construction and civil engineering fields. Through steel and metal products, we have created a living space that is truly comfortable, and have contributed to safe and secure living of people as well as the growth of the human society.

The creation of new products is essential for the growth of society. Steel, which has strength and flexibility, has been the most widely used among a plethora of materials, and has always been in demand as a material for a variety of products.

“Steel is indispensable for creating the future”. Based on the strong spirit and pride that “Steel creates the future”, we have responded to the needs in fields such as architecture, transportation, civil engineering infrastructure, and disaster prevention by researching and developing products that take advantage of the performance of steel. However, we believe that we have only realized a portion of the potential of steel.

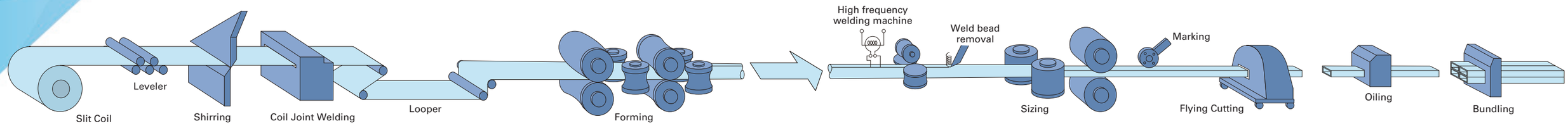
Steel is a material with hidden possibilities that are still unknown, and we will continue to take on the challenge of reaching those possibilities that no one knows about yet.

When we say “What if we could create a product like this”, we want to try and make a product out of steel, which someone somewhere is dreaming of. We believe that this is our history, and that it is our mission to continue moving forward along with steel.

Representative Director and President

Shinji Minobe

Reliable Manufacturing Technologies of NIPPON STEEL METAL PRODUCTS

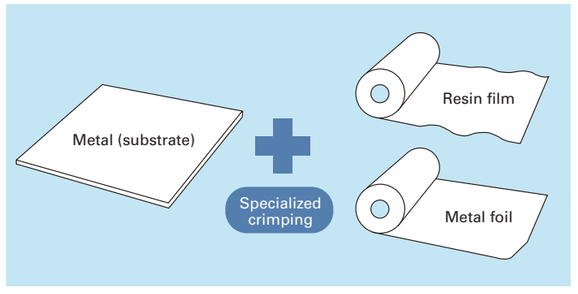


Cold Rolled Forming
Pioneers in Roll Forming Technology

Cold rolled forming is a technology of plastic working of metals at ambient temperature. Steel plates are fed at a constant speed while rewinding hot coils on a production line lined with dozens of grooved rolls, and then formed by bending in the width direction in a progressive and continuous manner. In addition to simple shapes like that of a round pipe, it is possible to mold products with complex and asymmetric cross-sectional shapes such as deck plates and steel sheet piles by changing the shape of the roll and the number of steps. In addition to efficiently producing high-quality, long-length products, we have been operating a cold roll forming factory since the 1960s as a pioneer in roll forming because of the many advantages of being able to produce at anbient temperature, which include reducing energy costs and reducing the environmental load.

Cold Press Forming
High Precision Press Processing

A steel plate that has undergone the groove preparation process on both ends of the width is bent in two places by press forming to create a groove shape. After collating and assembling the two pieces together, carbon dioxide gas arc welding is performed on the inside and submerged arc welding is performed on the outside to create a rectangular steel pipe. With a maximum outer diameter of 1000 mm and a maximum thickness of 40 mm, this is a highly functional rectangular steel pipe that can be used as columns in high-rise buildings.

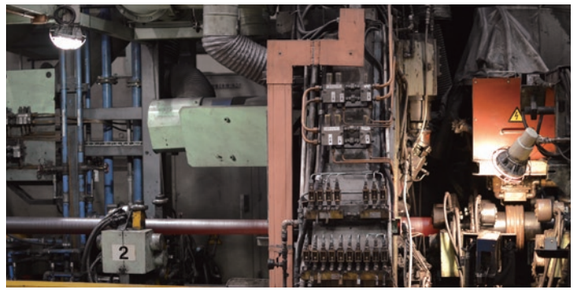


Laminate
Adhesion Technology

Using adhesive technology that we have cultivated over many years, we can strongly bond a variety of resin films and metal foils to various metal plates, such as hot-dip galvanized steel sheets, stainless steel, and aluminum, so that they do not come off during press processing or bending.

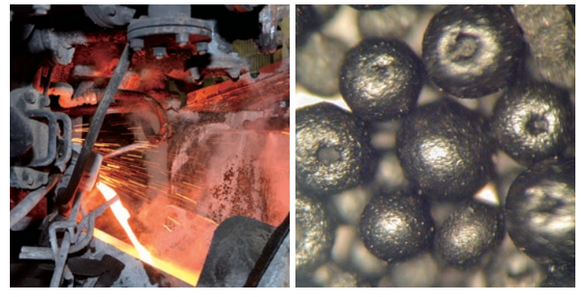
Robot Welding Processing
Sophisticated Programming Technology

Controlling robots with a wide range of motion requires advanced technology. Customization for each product other than the basic operation program, and the position and timing of transportation with peripheral equipment such as transportation conveyors are carefully adjusted by the technology and know-how of our engineers, thus achieving labor saving and high-quality stable production.



Spinning
Achieving High Quality through Accurate Processing

Spinning (rotary rolling) is a type of rotary plastic processing technology in which steel pipes are heated, rotated, and pressed against squeeze rollers, and thus formed. To be able to propose products that meet the needs of clients, we have accumulated technical know-how such as tension control, expansion of aperture diameter, and development of squeeze roller shapes.

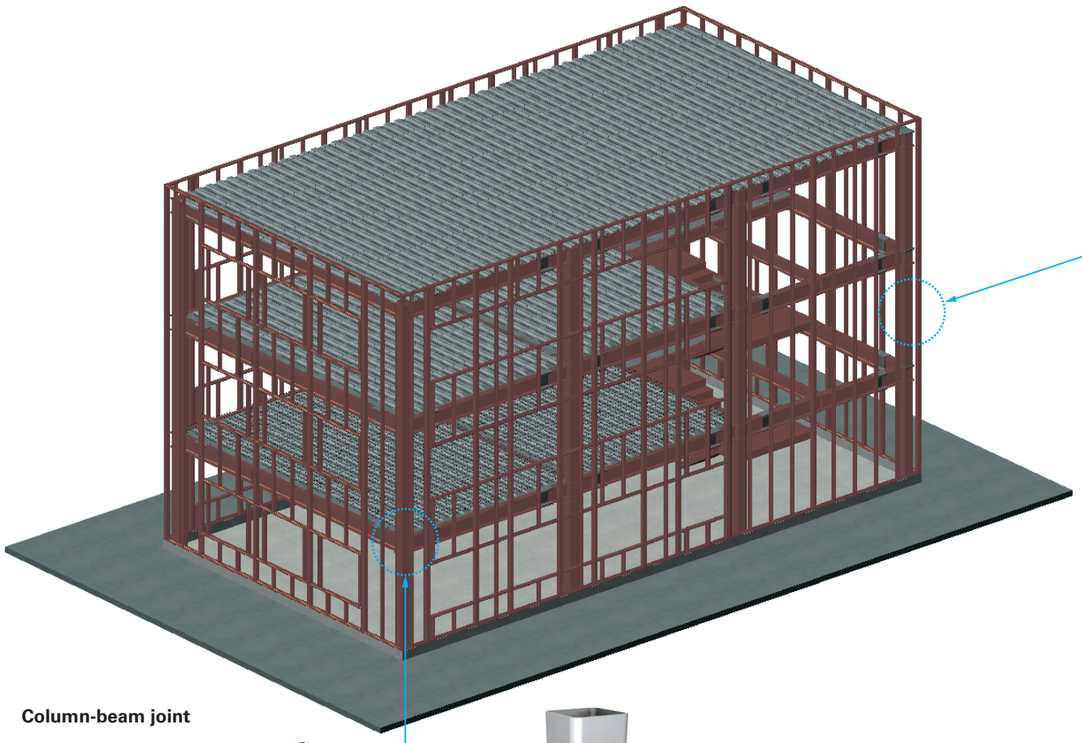


Powder Production for Continuous Casting
Highest Global Standard Quality and Functionality

The powder for continuous steel casting is required for products that comply with the rapid advancement in steelmaking technologies and that are best suited for each customer's operating conditions and casting steel type. Our group quickly and accurately designs and develops optimal products based on our extensive experience and data accumulated over many years.

Construction
Columns

For half a century, we have always stayed ahead of the curve, focusing on the development of cold roll-formed rectangular steel pipes and press-formed rectangular steel pipes. Architectural components that are made using this technology are used in a wide variety of steel structures, including mansions, homes, office buildings, factories, and warehouses. In recent years, we have been offering new products such as ND CORE™, which is a column-beam joint material, and ECO-KAKU™, which is a rectangular steel pipe.



“ND CORE™ ” is a thick-walled rectangular steel pipe, and when used in a joint between a rectangular steel pipe column and an H-shaped steel beam, it is possible to create a non-diaphragm type joint that does not require a diaphragm.

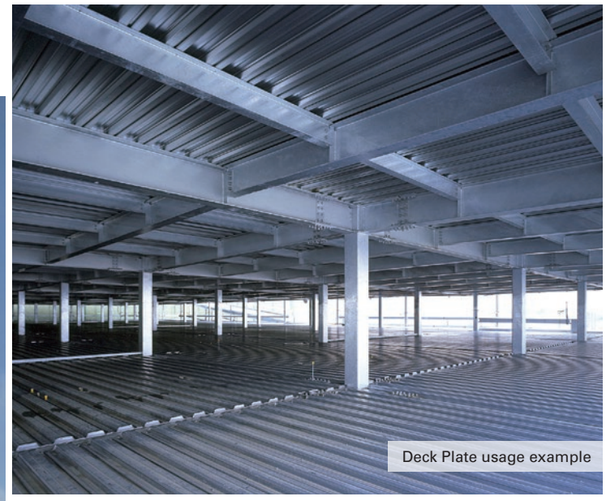
“U column BCR and rectangular pipe BCR” are cold roll-formed rectangular steel pipes for architectural structures (type code: BCR295) that have been certified by the Minister of Land, Infrastructure, Transport and Tourism in compliance with Article 37, Item 2 of the Building Standards Act.


SSJ Shinagawa Building

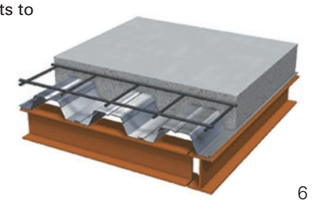
The “U column W-BCP series” is a high-quality, high-performance cold press-formed rectangular steel pipe that has been regulated for use in architectural structures and has been certified by the Minister of Land, Infrastructure, Transport and Tourism. We also offer the "U column W-BCHT™ series” with even higher performance.


BCP usage example

Construction
Flooring Material and Roof Components


Deck Plate usage example

By actively listening to the user needs, and performing continuous improvements, modifications, and new developments to meet various demands, we have put together the optimal lineup of Deck Plates for each application.



Transportation and Civil Engineering Infrastructure

Road Guardrail

Approximately 60 years have passed since the first road guardrails were installed in Japan, and our products have continued to evolve along with the development of Japan's transportation infrastructure. The nationwide network of roads, railways, ports, and airports has entered an era of mass transportation and faster speeds, creating a need for more highly functional and safe products. We will contribute to the creation of safe and comfortable roads through products that take into consideration the surrounding environment and landscape.

"Guardrails" are a typical product used as protective fences for vehicles, and are widely used from high-standard highways to general roads. The wave-shaped beam cross section offers excellent line-of-sight guidance.

As per the needs of the times, a protective fence for vehicles that also looks scenic is required, and thus, the "TMS™ type guard pipe" was developed. The clean design of the upper beam line enhances the scenery behind it and creates a good road environment.

"Guard Cables" use the elasticity of wire ropes to absorb energy during a vehicle collision. They have the highest transparency and can make the road appear wider.

PLN™ (P2LN™)

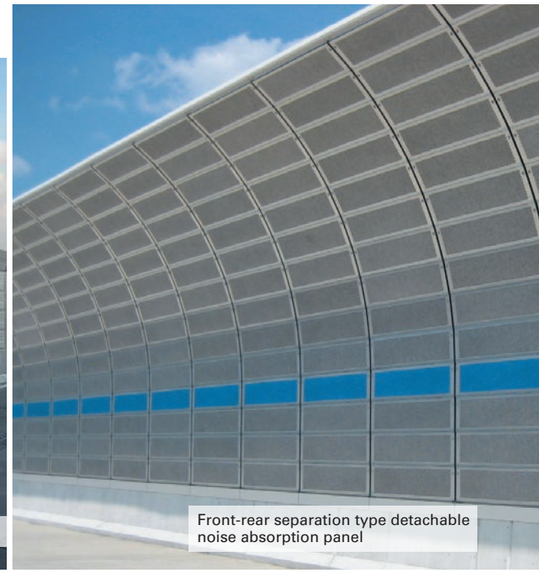
PLN™ (P2LN™) is a vertical lattice with adjustable slope that acts as a crossing/fall prevention fence that can freely comply with slope changes of up to 45 degrees in terms of a vertical slope and 90 degrees in terms of a flat angle. The weight has reduced by approximately 20% compared to our conventional products, which has significantly improved the workability too.

Transportation and Civil Engineering Infrastructure

Noise Barrier

In recent years, as concerns over environmental problems have increased, requests from residents against noise problems have also been increasing year by year. Accordingly, there is a growing desire to not only improve noise prevention technologies and take proper measures, but also to develop products with excellent designs in view of the landscape and environment. Our group provides a variety of sound absorbing and sound insulating products having a high level of design and easy maintainability, based on our many years of experience and track record.

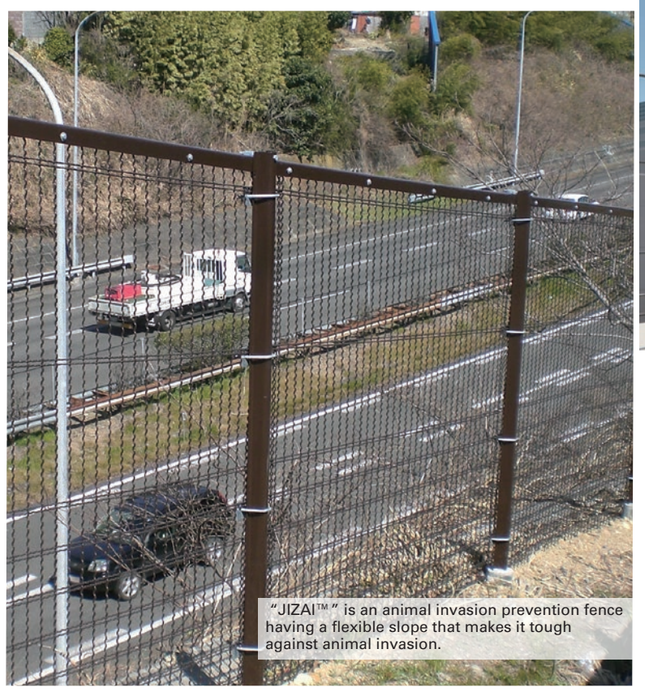
ECO KYUON™ (Aluminum Soundproof Panel)



Front-rear separation type detachable noise absorption panel

Transportation and Civil Engineering

Infrastructure Fence



"JIZAI™" is an animal invasion prevention fence having a flexible slope that makes it tough against animal invasion.

STERA FENCE™

Through a product lineup suitable for various uses, we can make proposals according to your needs. In addition to general fences, we also design and manufacture special fences with functions suitable for installation purposes, such as super security fences for anti-terrorism purposes and multi-functional fall prevention fences with fall prevention and windproof functions on highways.

Transportation and Civil Engineering Infrastructure

Civil Engineering Field

Our civil engineering products meet the diversifying needs of civil engineering construction sites and have contributed to infrastructure development in a variety of fields. We have a rich track record and high reliability, and through our reliable technical capabilities with which we have mastered the characteristics of soil and steel, we will support the next generation of national land development.

Liner plates are lightweight, high-strength structural members made of corrugated thin-walled steel plates with flanges on all four sides. They are used in a wide range of applications, including temporary earth retaining when constructing shafts, water collecting wells to prevent landslides, temporary cofferdams around bridge piers, and adits (horizontal passages).

Temporary cofferdam around a bridge pier: Liner plates

Roll-formed sheet piles are steel plates for earth retaining that are lightweight and have high cross-sectional performance, and are mainly used for temporary earth retaining. They are a stable civil engineering material with an established reputation in terms of their workability.

The U-flume, which is lightweight and has excellent construction properties, is an open channel waterway used for collecting and draining canals in farmland and hilly areas, and for cutting around construction sites.

Roll-formed sheet piles

U-Flume

Corrugated pipes are pipe made of a thin steel plate with corrugations perpendicular to the pipe direction. They are lightweight, have high strength, and are easy to construct, and are used in a variety of civil engineering fields, such as drainage and irrigation canals, small tunnels and guide shafts, passages under railroad tracks, etc., and culverts.

Temporary waterway tunneling

Temporary drainage

Construction,Transportation and Civil Engineering Infrastructure

Piles

Narrow site, height restrictions

NS ECO PILE™

“NS Eco Pile method” is a piling method involving a steel pipe pile with a single spiral blade welded to the edge of the steel pipe. In this construction method, a rotational force is applied to the piles that penetrates into the ground, allowing for low noise, low vibration, and construction without soil removal. In addition, since the construction is carried out using small, self-propelled heavy equipment, this method can be applied to sites with construction restrictions such as narrow spaces, height restrictions, and close ranges.

Adjacent construction

NS ECO PILE™ (medium-to-small diameter)

Disaster Prevention / Mitigation Products

In order to remain committed to people's safe and secure life and to live in coexistence with nature, we have established disaster prevention and mitigation technologies for natural disasters. We will continue to contribute to building Japan's national resilience with disaster prevention and mitigation products that only we, a company that has accumulated knowledge and experience and developed many ingenuity, can produce.

"SB WALL™ Construction Method"- An impermeable check dam constructed by using displaced soils at the construction site

STEEL SLIT DAM B-Type™-Captures the debris flow and driftwood, thus preventing a disaster due to flow out to downstream

NONFRAME™ Method

Gabion Boxes

The "NONFRAME™ Method", which makes a clear distinction from the conventional slope disaster prevention methods in which the slopes are covered and hardened with concrete, enables construction on the existing ground and does not require deforestation or slope cutting. This is an innovative technology that makes it possible to preserve the environment and landscape and stabilize slopes.

Gabion boxes are lightweight and simple structures that can be easily constructed on the site, and can be used as retaining walls and revetments. Excavated stones and sand can be used for retaining walls (infill), and both straight or curved arrangements are possible. If a vegetative sheet is used, planned forestation can also be achieved.

Construction, Transportation and Civil Engineering Infrastructure

Designed Steel Sheet

Designed steel sheet products include “Film Laminated Steel Sheets”, which are formed by roll-bonding resin films to steel sheets, and “Painted Steel Sheets”, which are formed by coating with paint. They have many features such as durability, workability, design, and aesthetic appeal, and are widely used in various fields such as interior and exterior of houses, exterior of buildings, factories, and station buildings, road noise barriers, and pedestrian bridges. Based on the motto of “Developing products that meet customer’s needs”, we take on the challenge of developing environmental-friendly products by leveraging the laminating and painting technologies that we have accumulated over several years.


Used as bathroom material


Used as building exterior material

Construction

Temporary Scaffolding / Stand

As a pioneer manufacturer of frame scaffolding, we have been providing many “BEATTY™” (scaffolding) products that are safe, easy to use, durable, and highly functional. In addition, temporary stands have a proven track record at many event venues, including sports and festivals, which help create a vibrant and healthy society.


Temporary stands used at a golf tour seating


Temporary stands used at Suzuka Circuit seating


Frame scaffolding used at architectura construction site

Transportation and Civil Engineering Infrastructure

Steel Pillar and Steel Assembling Pillar

Steel pillars and PANZER MAST™ that can be used for a variety of purposes, from telephone poles to antenna poles and disaster prevention administrative radio poles, have excellent quality and are easy to transport and construct, and the ease of use is particularly evident in narrow spaces and mountainous areas.


Steel pillar


PANZER MAST™

Business Divisions Our company consists of 8 business divisions.

Building Products Division

This division handles high-quality and highly functional construction components such as rectangular steel pipes, deck plates, and light gauge steel processed by cold-rolled forming and cold-pressed forming.

Coated Steel Pipe Division

This division provides various structural steel pipes, mainly galvanized coated steel pipes, for use in housing, roads, and agricultural materials, and special steel pipes for automotive applications.

Film Laminated & Pre-Coated Metal Division

Film laminated steel sheets and painted steel sheets, which have high durability, designability, and workability, are widely used in various fields such as housing, architecture, and civil engineering.

Road Products, Noise Barrier Products & Fences Division

This division provides not only protective fences and soundproof walls for improving the traffic environment but also road environment products suitable for a variety of uses, including fences for residences and public facilities as well as special fences for security measures.

Civil Engineering Products Division

This division handles materials that serve as the basis for civil engineering works, foundation piles for structures, and even disaster prevention products for landslides in mountains and urban slopes.

Temporary Construction Products Division

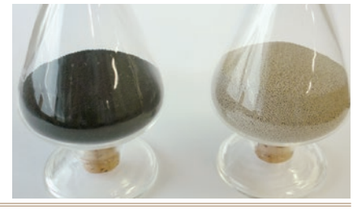
This division offers a wide range of products that are safe, easy to use, durable, and functional, including BEATTY™ style frame scaffolding, system shoring, and lifting-type movable scaffolding.

Pole Products Division

Steel pillars and PANZER MAST™ can be used for a variety of purposes, including power poles, communication poles, antenna poles, and disaster prevention radio poles.

Nittex Division

For more than half a century, this division has been manufacturing and selling various steelmaking auxiliary materials. Based on our extensive experience, this division quickly and accurately designs and provides products that meet the requirements of our customers.



Construction　Transportation / Civil Engineering Infrastructure　Disaster Prevention