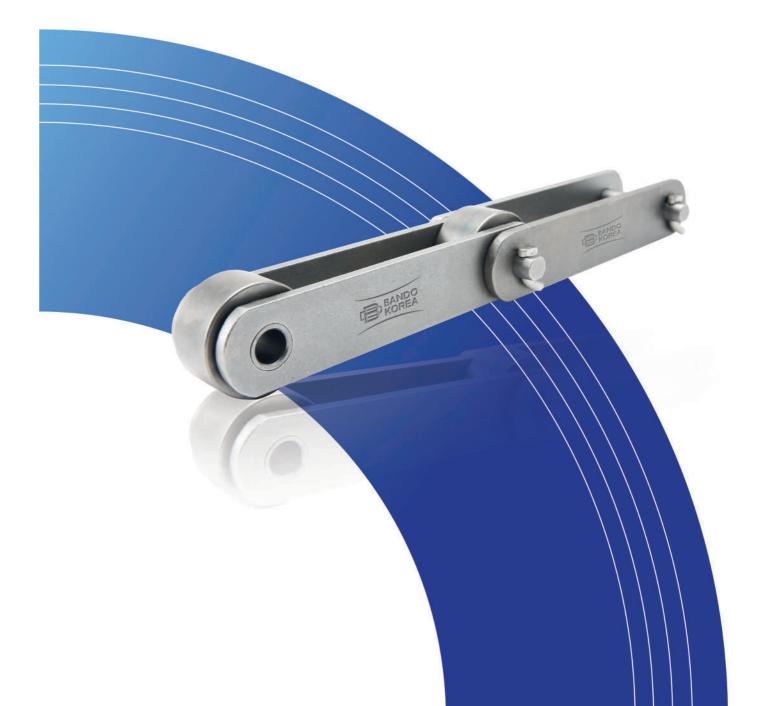


CONVEYOR CHAIN SPECIALIST Chain & Sprocket





BANDO CHAIN IND. CO.,LTD.

Our greatest power is technology.

Bando chain rewards with

"Innovative Quality"

Contents











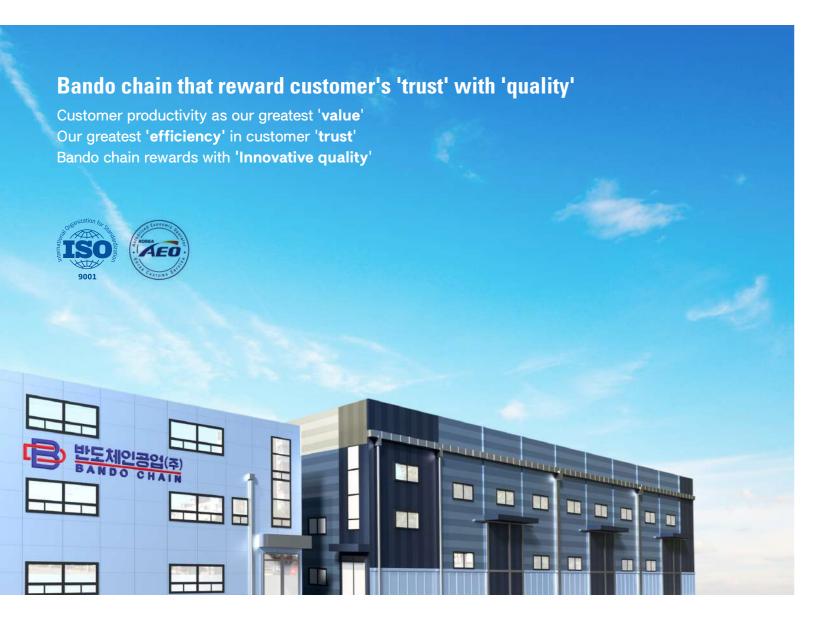






HISTORY / COMPANY PROFILE





Overview

Name BANDO CHAIN IND. CO.,LTD

Establishment 1990. July

Headquarters 176 Daegotbuk-ro, 395 Beon-gil, Daegot-myeon, Gimpo-si, Gyeonggi-do, 10028 Korea

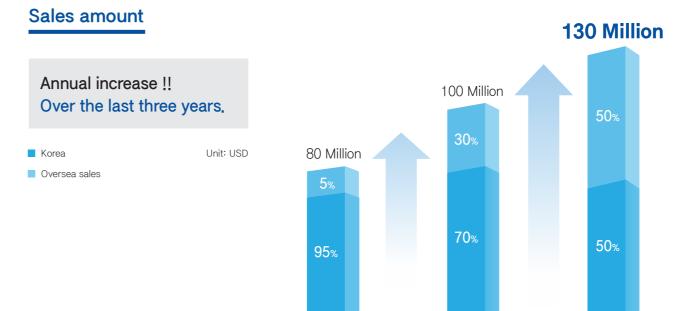
TEL +82-31-984-4435 **FAX** +82-31-984-4452

Branch Paju factory, Kobe office(Japan), Bucheon office

Capital 5 Milion USD

Line of business Conveyor chains, sprockets, related parts etc.

WEB www.bandochain.com



History

1990 | Established BANDO CHAIN

1992 | 100% Succeeded in domestically producing complete conveyor chain

2003 | Completion of the Gimpo plant

2008 | ISO9001

2010 | Research institute

2011 | Registered 5 patents related to conveyor chains.

2014 | Exhibit at the M-TECH (Tokyo, Osaka)

2015 | Certified promising company

2016 | Certified venture company

2017 | Authorized economic operator/

Import and Export Safety Management Certificate of Excellence (AEO)

2018 | Exhibit at the METALEX (Bangkok)/ Established a KOBE office in Japan

2020 | Completion of the Paju plant

MAIN PRODUCTS



STANDARD CHAINS









BUCKET ELEVATOR CHAINS







FLOW CHAINS













BNFTYPE CHAINS







BDDTYPE DIRECT TRANSFER CHAINS







WATER TREATMENT CHAINS









LOW FRICTION HEAVY DUTY CHAINS







BROTYPE HEAVY DUTY ROLLER CHAINS





APRON CHAINS









SPROCKETS







BY INDUSTRY

STEEL MILL











CEMENT











AUTOMOTIVE













OTHERS

WATER

TREATMENT / POWER PLANT





06 BANDO CHAIN



Reduce production time with a system — that can complete the entire process in our factory.

Cost down

Cost down by "Optimal process control" and "Automation production."



Technical Support Services

 Technical support to customers who have difficulty managing due to lack of application specifications.

Customization

Realize the extension of life by selecting various forms of optimal specifications for the environment of use.

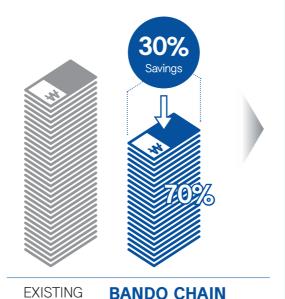
Management system







Cost savings



Develop forged mold

▶Pipe pull-out line at "N" Steel mill in Japan: 40% SAVING

Custom designed

► Dust collection line at "H" Steel mill in Korea: 10–15% SAVING

Improvement specification of needle bearing

► Thick plate transportation at "J"Steel mill in Japan: 50% SAVING

Optimization for process

► Continuous ship unloading bucket at a Steel mills, Power Plants in Korea, Japan: 50-70% SAVING

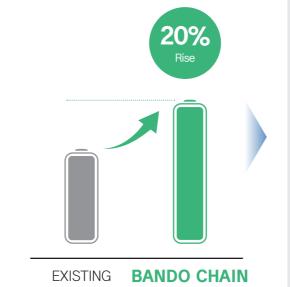
Develop automated production process

► Coal and other raw materials transportation lines: 20% SAVING

Develop automated production process

▶ Rice processing line in Korea: 20% SAVING

Extend life span



Improved needle bearing structure (heat resistant spec over 350°c)

► Hot – rolled line at "K" Steel mill in Japan: 200% IMPROVING

Improved seal structure

► CSU at "H"(Korea), "K"(Japan) Steel mills and K Power Plant: 20% IMPROVING

Applying new material technology for dust collectors

► Dust collection line at steel mill, power plants in Korea, Japan: 40% IMPROVING

Improvement of material and heat treatment

► Cement production line at Korea, Japan: 30% IMPROVING

Developed stainless steel heat treatment technology

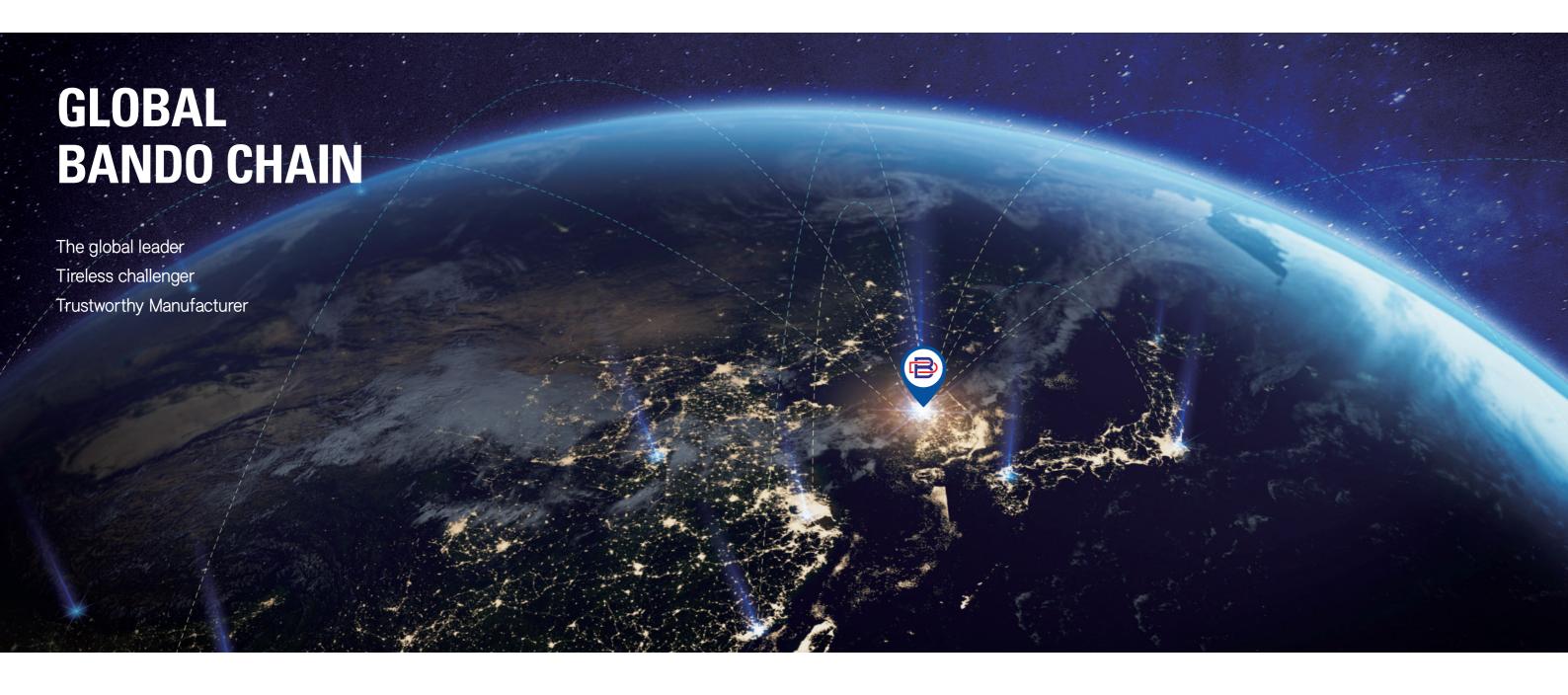
► Sewage treatment in Korea: 40% IMPROVING

Improved structure (Anti-sticking, chain bending, roller rotation)

► Sintering line in Korea: 20% SAVING

08 BANDO CHAIN

















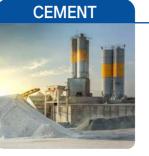










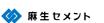




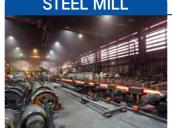












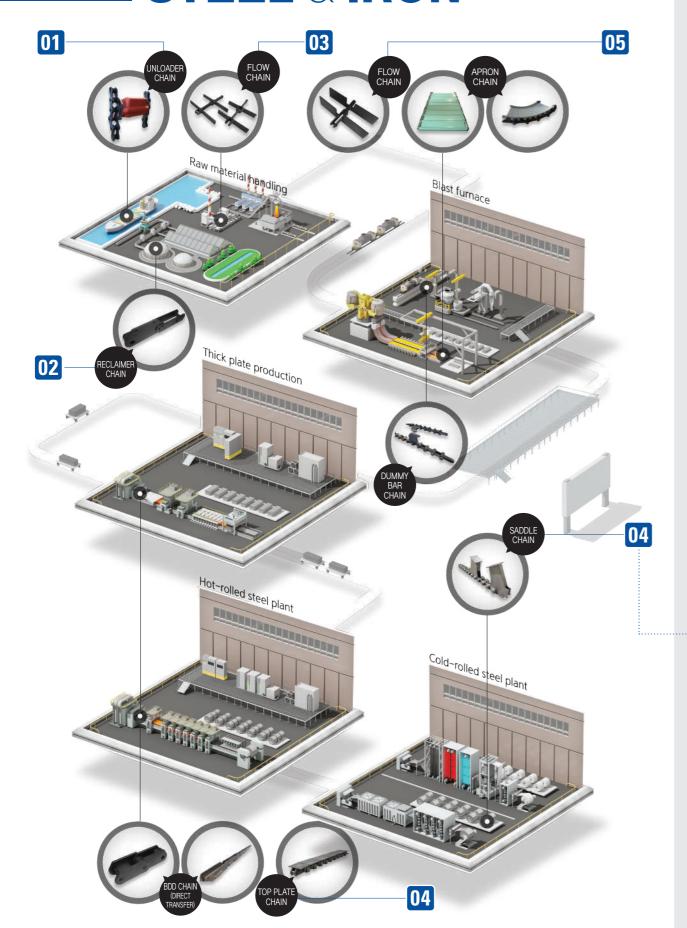








BANDO CHAIN STEEL & IRON



STEEL MILL

Conveyor chain used in all processes of the steel mills from raw material handling to the final process.

01 CONTINUOUS SHIP UNLOADER (CSU)

PURPOSE | Continuous unloading of raw materials such as coal and iron ore,

FEATURE | Strong wear resistance and corrosion resistance.

Bando Chain's unique 'SEAL' technology maximizes wear resistance and provides excellent corrosion resistance.



02 RECLAIMER CHAIN

PURPOSE | Supply of raw materials from the storage yard to each process.

FEATURE | Strong wear resistance and impact resistance.



03 BUCKET CHAIN, FLOW CHAIN

PURPOSE | Supply of raw materials to the blast furnaces and transport after process dust.

FEATURE | Wear resistance and heat resistance.



04 SADDLE CHAIN, TOP PLATE CHAIN

PURPOSE | Carry large, heavy objects such as slabs, thick plates, coils, etc.

FEATURE | Abrasion resistance and heat resistance.

Bando chain's exceptional bearing helps to minimize friction.



05 FLOW CHAIN, APRON CHAIN

PURPOSE | Transport the generated dust, scraps, etc.

FEATURE | Corrosion resistance and abrasion resistance.

Bando chain's skillful technic helps to minimize loss of the carried material.



CEMENT



CEMENT

Conveyor chain used in all processes from raw material crushing to the final process.

CRUSHER CHAIN

PURPOSE | Crush rocks used as raw materials for cement,

FEATURE | Abrasion resistance and maximum wear resistance
between pins and bushings,



01 RECLAIMER CHAIN

PURPOSE | Supply of raw materials from the storage yard to each process. **FEATURE** | Strong wear resistance.



02 APROVATOR CHAIN

PURPOSE | Transport the primary processed cement raw materials.

FEATURE | Wear resistance and heat resistance.

Bando's skillfully designed chains work energetically with two rows of chains and an apron or bucket as a set.



03 BUCKET ELEVATOR CHAIN

PURPOSE | Transports raw material and dust from horizontal to vertical.

FEATURE | Wear resistance, heat resistance, and corrosion resistance are optimally specified according to the conditions of use.



04 FLOW CHAIN

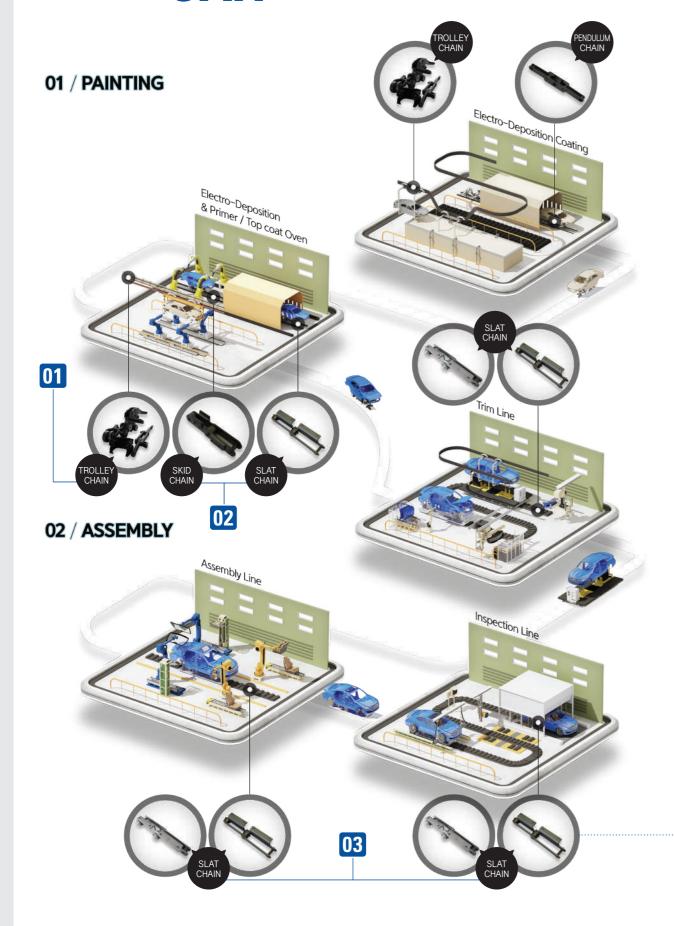
PURPOSE | Transport raw material and dust horizontally.

FEATURE | Strong wear resistance.

Bando's expertise provides the best operating specification in a sealed casing condition.



BANDO CHAIN CAR



AUTOMOBILE

Conveyor chain used in all processes from the parts (forges) production and processing lines, engine assembly lines, body painting, final inspection, to the final lines of automobile manufacturing.

CHIP CONVEYOR CHAIN

PURPOSE | Transports material and machining chips, etc. in the pre- and post-processing of the product (forging).

FEATURE | Heat resistance.



01 TROLLEY CHAIN

PURPOSE | Transport to the individual processes via overhead to make efficient use of the factory layout.

FEATURE | Bando provides the thrown abrasion resistance and excellent accuracy for each part.



02 SKID CHAIN, SLAT CHAIN | COATING LINE

PURPOSE | Carry the vehicles with chains used in the pre-and post-treatment processes of the paint line.

FEATURE | Excellent heat resistance and durability.



03 SKID CHAIN, SLAT CHAIN | ASSEMBLY LINE

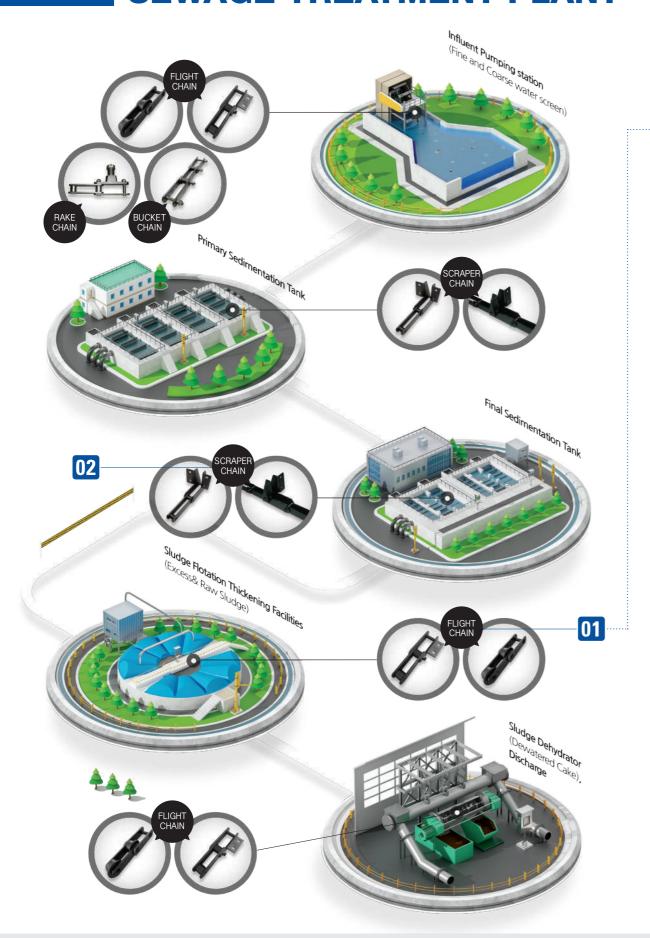
PURPOSE | Use on the line for assembling and inspecting the finished parts of each process, assembly line, watertight inspection line, etc.

FEATURE | 100% custom made depending on the environment of use.

Bando offers watertight, durable, vibration–free, noise–free, depending on the environment of use.



BANDO CHAIN SEWAGE TREATMENT PLANT



WATER TREATMENT

Conveyor chain used for overall processing from sludge, grit trap, 1/2nd sedimentation basin, etc., during water purification and sewage treatment process.

01 FLIGHT CHAIN | SLUDGE COLLECTOR

PURPOSE | Rake up the sewage sludge.

FEATURE | Bando chain provides corrosion resistance and wear resistance optimized for sewage treatment environments with long





02 SCRAPER CHAIN | SEDIMENTATION BASIN

PURPOSE | Rake up dust, sand accumulated in a sedimentation basin. FEATURE | Bando helps to resist wastewater at slow speed for a long time with optimal corrosion resistance. (Use stainless steel)



RAKE CHAIN | DUST COLLECTOR

PURPOSE | Rake up dust, sand accumulated in a sedimentation basin. FEATURE | Bando offers excellent corrosion resistance to withstand in the waste water treatment.



DUST REMOVING CHAIN

PURPOSE | Remove dust, sand accumulated in a sedimentation basin. FEATURE | Bando applies corrosion resistance and excellent durability of pins, bushes, and rollers.



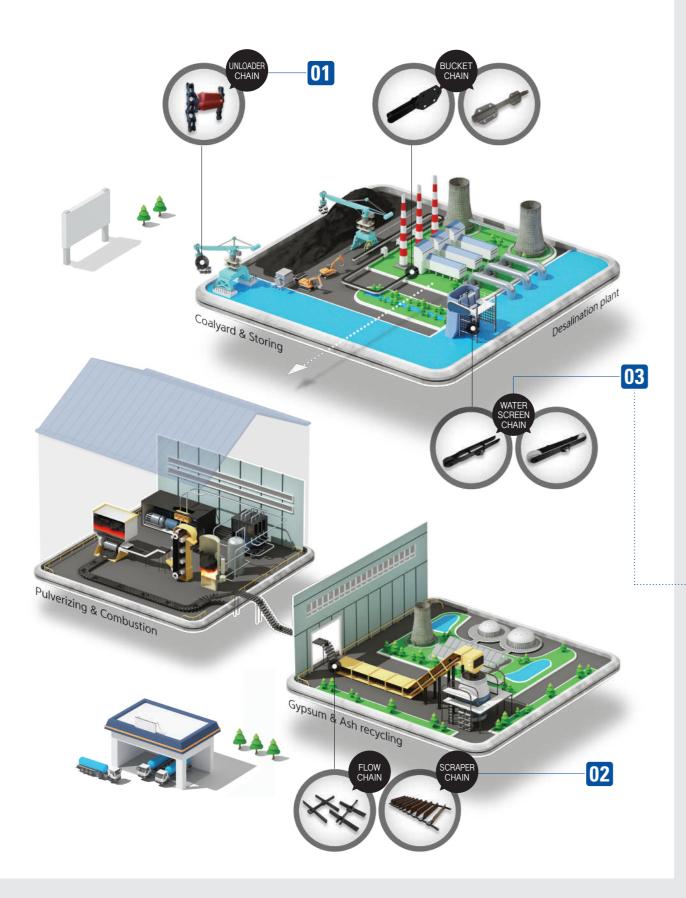
DRIVE CHAIN | PROCESSING UNIT

PURPOSE | Driving chain for a water treatment plant.

FEATURE | Bando chain provides corrosion resistance and high strength due to high operating speed and exposure to corrosive environments.



BANDO CHAIN THERMAL POWER PLANT



POWER PLANT

Conveyor chain for raw material transport, dust transport, desalination plants such as thermal power plants and nuclear power plants.

RECLAIMER CHAIN

PURPOSE | Supply of raw materials to each process from the stockyard.

FEATURE | Strong wear resistance.



[01] CONTINUOUS SHIP UNLOADER (CSU)

PURPOSE | Unload raw materials from ships.

FEATURE | Strong wear resistance and corrosion resistance.



02 FLOW CHAIN, SCRAPER CHAIN

PURPOSE | Collect dust during the process.

FEATURE | Bando offers the designed products to be corrosion resistant, abrasion resistant, and to facilitate the unloading of inter-part conveyances.



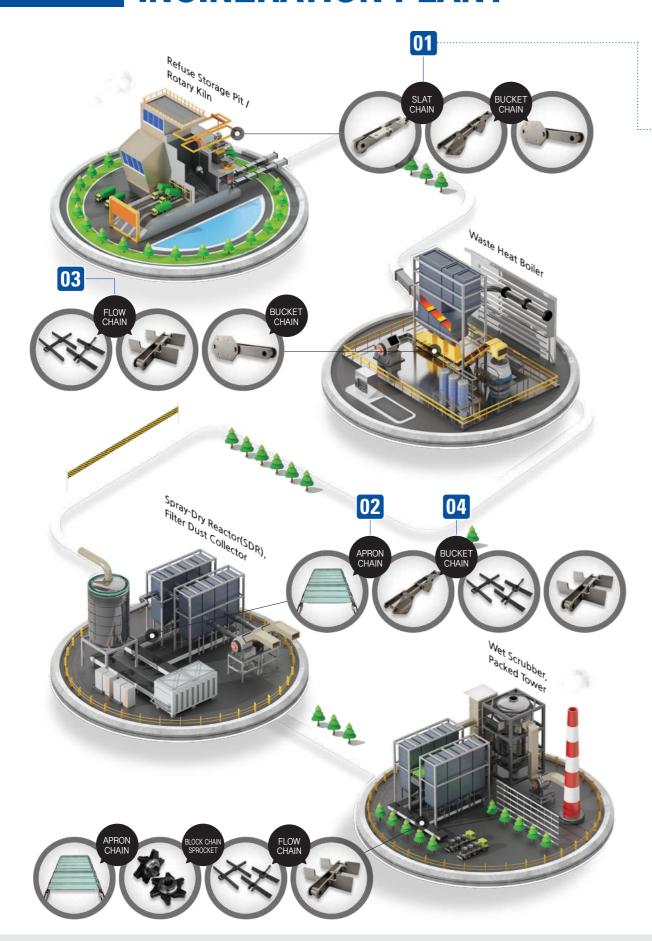
03 SCREEN CHAIN, RBS, TWS

PURPOSE | Filter various wastes that flow, while using seawater to cool the heat generated by the power plant.

FEATURE | Bando chain helps with the optimal specification for use in seawater.



BANDO CHAIN INCINERATION PLANT



RECYCLING & INCINERATION

Conveyor chains for recycling centers and incinerator treatment processes

01 SLAT CHAIN

PURPOSE | Convey collected waste.

FEATURE | Operate with slat or apron. Bando chain provides corrosion resistance and wear resistance optimized for collected waste environments with long experienced technology.



02 APRON CHAIN | RECYCLING & INCINERATOR

PURPOSE | Convey industrial waste, waste sorting, incineration ash.

FEATURE | Excellent heat resistance and abrasion resistance. Bando provides chain, apron, scraper, bucket, shaft, sprocket, bearing, coupling, ect as a total solution. Save construction time with Bando's total solution.



03 FLOW CHAIN, SCRAPER CHAIN | DUST COLLECTOR

PURPOSE | Convey powder, flying ash after incineration.(Boiler)

FEATURE | Bando offers the designed with clearance to prevent a curving or rotation defect problems.



04 BUCKET CHAIN

PURPOSE | Convey industrial waste of recycling centers.

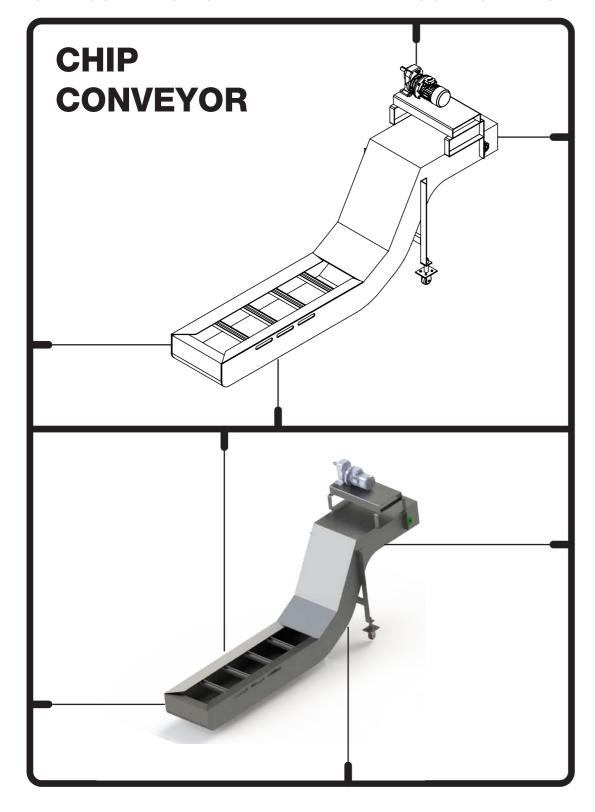
FEATURE | Bando's expertise provides the best operating specification with abrasion resistance and corrosion resistance.

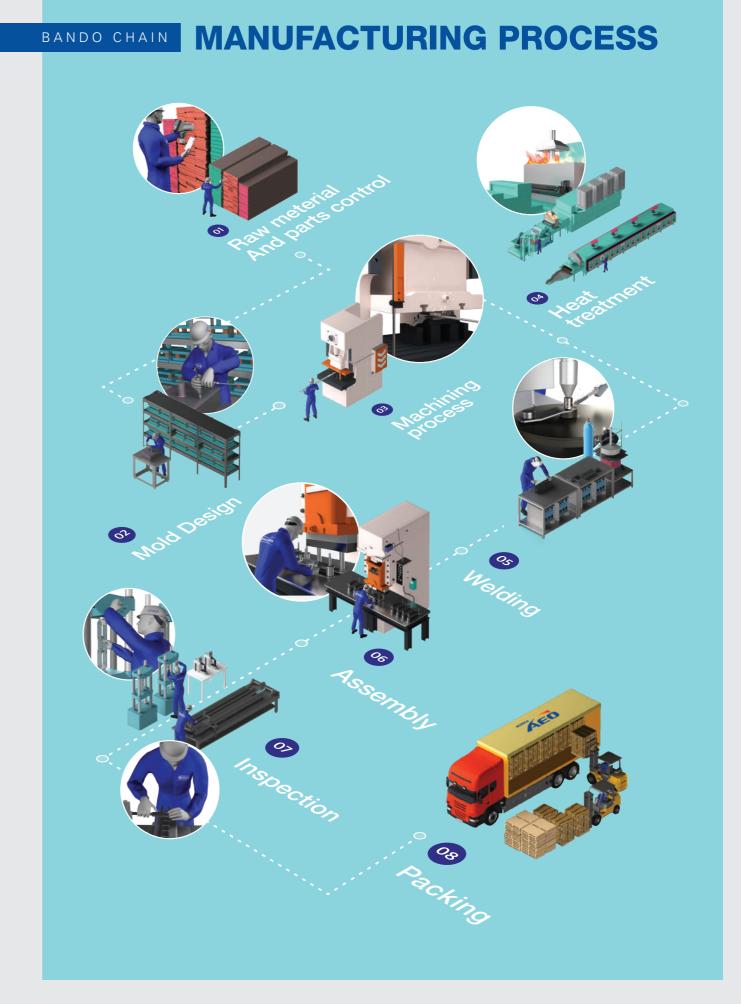


BANDO CHAIN

CHIP CONVEYOR

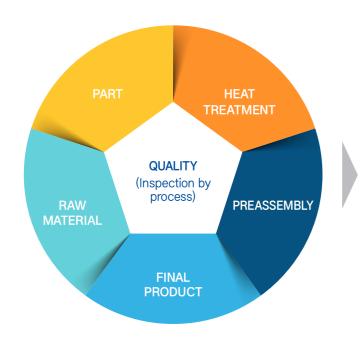
CHIP CONVEYOR CHAIN AND RELATED COMPONENTS





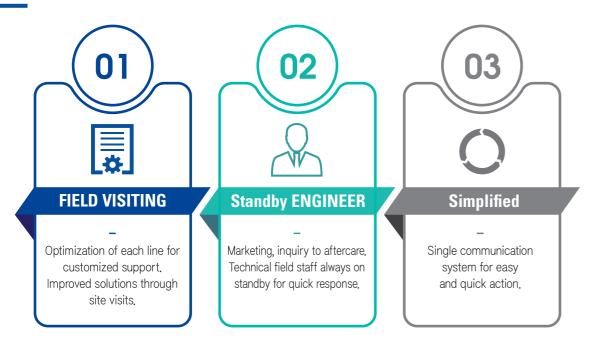
BUSINESS NETWORK

QUALITY Management



- Control by MES, POP system.
 - Control real-time processing and quality from raw materials to finished products
- 02 Operation of Quality control Dept.
- 03 Cross-check system by each process
- Top priority of quality management is customer satisfaction.

Support





26 BANDO CHAIN