

NIPPON STEEL CORPORATION	JFE Steel Corporation	· Kobe Steel, Ltd.
TOKYO STEEL MANUFACTURING CO., LTD.	of E didd dolparation	Nobe Steel, Etc.
TAIHEIYO CEMENT CORPORATION	· Sumitomo Osaka Cement Co., Ltd.	Mitsubishi Materials Corporation
ASO CEMENT Co., Ltd.	Tokuyama Corporation	Ube Industries, Ltd.
Sumitomo Metal Mining Co., Ltd.	MITSUI MINING & SMELTING CO., LTD.	Nittetsu Mining Co., Ltd.
· TODAKA MINING CO., LTD.	WITCOTWINTING & OMEETING CO., ETD.	Titletou Tilling Oo., Etc.
Asahi Kasei Corp.	NIPPON STEEL Chemical & Material Co., Ltd.	Mitsui Chemicals, Inc.
Mitsubishi Chemical Corporation	• Toray Industries, Inc.	• Kuraray Co., Ltd.
Denka Company Limited	Tosoh Corporation	JFE Chemical Corporation
· TOKAI CARBON CO., LTD.	103011 Corporation	of E Offernical Corporation
Bridgestone Corporation	•The Yokohama Rubber Co., Ltd.	Toyo Tire Corporation
Sumitomo Rubber Industries. Ltd.	The Tokonama Hubber Go., Etc.	Toyo The Corporation
• ENEOS Corporation	· Idemitsu Kosan Co.,Ltd.	•TOA OIL CO., LTD.
Resonac Corporation	• Toho Zinc Co., Ltd.	Nippon Light Metal Company, Ltd.
• Daido Steel Co., Ltd.	•KYOEI STEEL LTD.	• AISIN TAKAOKA LTD.
Tokyo Electric Power Company Holdings, Inc.	• The Kansai Electric Power Company, Incorporated	Chubu Electric Power Co., Inc.
Kyushu Electric Power Company Incorporated	Hokkaido Electric Power Co., Inc.	The Chugoku Electric Power Co., Inc.
Shikoku Electric Power Company, Incorporated	Tohoku Electric Power Co., Inc. Tohoku Electric Power Co., Inc.	Hokuriku Electric Power Company
The Okinawa Electric Power Company, Incorporated	Electric Power Development Co.,Ltd.	Osaka Gas Co., Ltd.
• TOKYO GAS Co., Ltd.	Electric Fower Bevelopment Go., Etc.	Osaka das Oo., Etc.
JGC CORPORATION	· Chiyoda Corporation	Toyo Engineering Corporation
Mitsubishi Heavy Industries, Ltd.	• IHI Corporation	Kawasaki Heavy Industries, Ltd.
• JP Steel Plantech Co.	• NIPPON STEEL ENGINEERING CO., LTD.	JFE Engineering Corporation
YONDEN ENGINEERING COMPANY, INCORPORATED	Sumitomo Heavy Industries, Ltd.	Hitachi Zosen Corporation
Diamond Engineering Co., Ltd.	• IHI Transport Machinery Co.,Ltd.	Kurita Water Industries Ltd.
Yaskawa Automation & Drives Corp.	This transport washinery oo.,Eta.	Numa Water moustries Etc.
NISSHIN ENGINEERING INC.	· NIPPN ENGINEERING CO., LTD.	
· UBE MACHINERY CORPORATION, Ltd.	Mitsui E&S Machinery Co., Ltd.	· Ebara Fan & Blower Co., Ltd.
· Kubota Corporation	Kurimoto, Ltd.	• METAWATER Co., Ltd.
MITSUI MIIKE MACHINERY CO., LTD.	• SHINWA CORPORATION	• TAKUMA CO., LTD.
Nippon Conveyor Co.,Ltd.	• FURUKAWA INDUSTRIAL MACHINERY SYSTEM COLTD.	TAROWA GO., LTD.
· TOSHIBA CORPORATION	Hitachi, Ltd.	Mitsubishi Electric Corporation
FUJI ELECTRIC CO., LTD.	• MEIDENSHA CORPORATION	YASKAWA Electric Corporation
• AMANO Corporation	·SINTOKOGIO, LTD.	Nihon Spindle Manufacturing Co., Ltd.
HOSOKAWA MICRON CORPORATION	OINTONOGIO, ETD.	Million opiniale Manaracturing oo., Eta.
• Murata Manufacturing Co., Ltd.	•NGK INSULATORS, LTD.	• AGC Inc.
• Central Glass Co., Ltd.	Nippon Sheet Glass Co., Ltd	7,55 110.
Oji Paper Co., Ltd.	Nippon Paper Industries Co., Ltd.	Daio Paper Corporation
· Chuetsu Pulp & Paper Co., Ltd.	impositi apor madomos ou, Eta.	Date i aper corporation
· Kirin Brewery Company, Limited	· ASAHI BREWERIES, LTD.	Nisshin Flour Milling Inc.
Nippon Flour Mills Co., Ltd.	• Showa Sangyo Co., Ltd.	Ajinomoto Co., Inc.
Otsuka Pharmaceutical Co., Ltd.	Onowa Gangyo Go., Ltd.	Ajinomoto oo., inc.
· TOYOTA MOTOR CORPORATION	Mazda Motor Corporation	Suzuki Motor Corp.

· POSCO

· NATIONAL POWER CORPORATION

•THE TAIWAN POWER COMPANY

· LG Chem Ltd.

· BAOSHAN IRON & STEEL CO., LTD.

•THE SIAM CEMENT PUBLIC CO., LTD. · FORMOSA PLASTIC CORPORATION

· CHINA STEEL CORPORATION ·TAIWAN CEMENT CO., LTD.

ISO9001 ISO14001

本社 (HEAD OFFICE)

· GNPower Ltd.

Company

Matsushima Measure Tech Co.,Ltd.

[Main products] •Bulk solid and liquid level measurement •Powder measurement •Belt conveyor protective device

> · Electric Actuator Control device

[Establishment]

JPY 3,500,000.-[Capital] [Representative Director and chairman] Toru Matsushima [C.E.O.] Noritoshi Ikeda

[Domestic sales]

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[Oversea sale]

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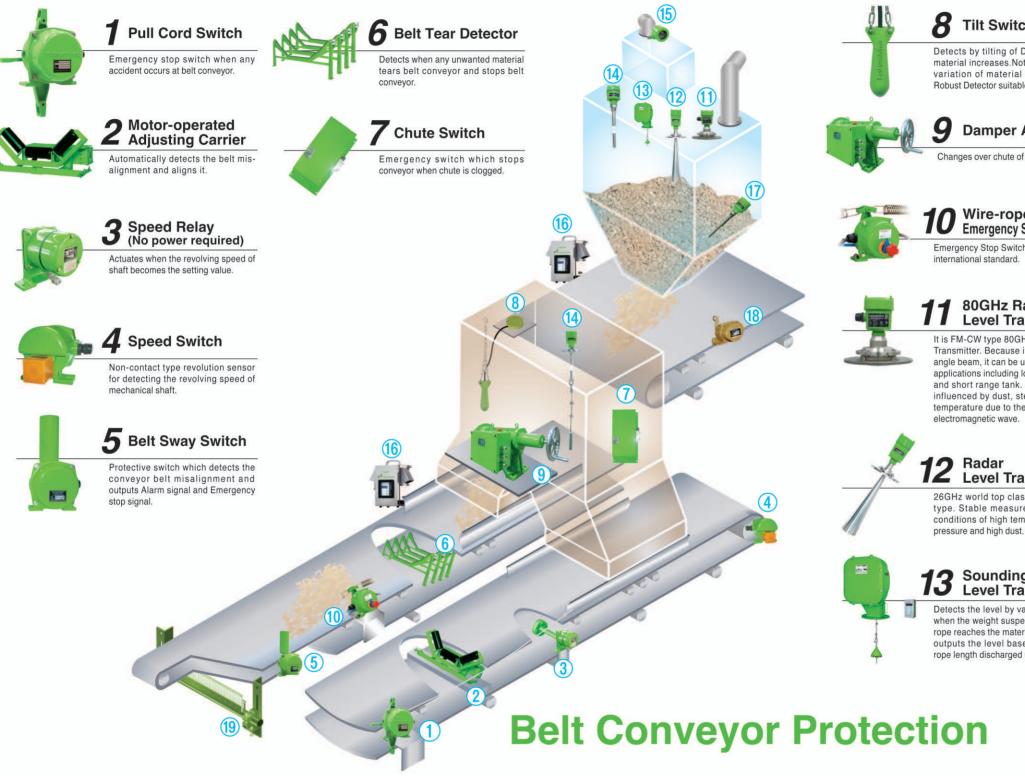
Seoul, Republic of Korea (Korea)

[Affiliated company]

70 Hengcang Road, Dahongcun, Maluzhen, Jiadingqu, Shanghai 201801, China Tel: +86-(0)21-5951-4138 Fax: +86-(0)21-5951-4139 Shanghai Dahong







8 Tilt Switch

Detects by tilting of Detector when material increases. Not influenced by variation of material environment. Robust Detector suitable for bulk solid.

Damper Actuator

Changes over chute of belt conveyor.

10 Wire-rope type Emergency Stop Switch

Emergency Stop Switch complied with

80GHz Radar **Level Transmitter**

It is FM-CW type 80GHz Radar Level Transmitter Because it has narrower angle beam, it can be used for various applications including long narrow silo and short range tank. Also, it is less influenced by dust, steam, and high temperature due to the feature of the electromagnetic wave.

Radar Level Transmitter

26GHz world top class non-contact type. Stable measurement in hard conditions of high temperature, high

13 Sounding Level Transmitter

Detects the level by variation of load when the weight suspended with wire rope reaches the material surface and outputs the level based on the wire rope length discharged until then.



4 Admittance Level Switch

Detects by capacitance variation due to material between probe and tank sidewall. Applicable for wide variety of



15 Dust Monitor

When dust hits or passes near the probe, the triboelectric charge generates in proportion to the dust concentration level. Dust Monitor outputs it as dust concentraton level. Detects the breakage of bag filter and continuously monitors the dust level of Dust collector.



6 Air Dust Monitor

Dust Monitor is built into the suction device. By automatic suction, dust particles taken from atmosphere contact with the internal probe, which continuously monitors the electrical charge cause by passing particles. Since the amount of this transferred charges is correlated with the amount of dust, it is converted to dust concentration and



Vibration Level Switch

Detects when the vibrating probe comes in contact with powder, then vibration frequency changes. Suitable for fine and lightweight powder.



18 Limit Switch (Heavy-duty type)

Emergency stop switch when any accident occurs at belt conveyor.



19 Belt Cleaner

Cleans the conveyor belt transporting

Application



Motor-operated Adjusting Carrier r adjusting belt misalignmen



Pull Cord Swith for emergency conveyor stop



Speed Relay for conveyor slip detection



Belt Sway Switch for belt misalignment



◀ 80GHz Radar **Level Transmitter**

It is FM-CW type 80GHz Radar Level Transmitter. Because it has narrower angle beam, it can be used for various applications including long narrow silo and short range tank. Also, it is less influenced by dust, steam, and high temperature due to the feature of the electromagnetic wave.



Radar Level Transmitter

26GHz world top class non-contact type. Stable measurement in hard conditions of high temperature, high pressure and high dust.



3 Sounding Level Meter

Detects the level by variation of load when the weight suspended with wire rope reaches the material surface and outputs the level based on the wire rope length discharged until then.



4 Vibration Level Switch

Detects when the vibrating fork-shaped probe comes in contact with powder, then vibration frequency changes. Applicable for low specific gravity powder. (toner etc.)



5 Admittance Level Switch

Detects by capacitance variation due to material between probe and tank sidewall. Applicable for wide variety of



6 Tilt Switch

Detects by tilting of Detector when material increases. Not influenced by variation of material environment Robust Detector suitable for bulk



Signal Conditioner

Can be paired & used for 2 line transmitting devices or output devices. Outputs instrumentation signal 4-20mA or DC1-5V and contact signal for an input current signal. LCD digital display is included, so level indication can also be monitored at the local control panel.



Dust Monitor

When dust hits or passes near the probe, the triboelectric charge generates in proportion to the dust concentration level. Dust Monitor outputs it as dust concentraton level. Detects the breakage of bag filter and continuously monitors the dust level of Dust



Air Dust Monitor

Dust Monitor is built into the suction device. By automatic suction, dust particles taken from atmosphere contact with the internal probe, which continuously monitors the electrical charge cause by passing particles. Since the amount of this transferred charges is correlated with the amount of dust, it is converted to dust concentration and displayed.



Air Particle Monitor

It monitors the mass concentration of dust and aerosol in the atmosphere. It can monitor the concentration of dust and PM2.5, which can be used for the improvement of working environment and safety. It also can detect the breakage of fan filters by monitoring the suspended particles inside the control panel.





Float Type Level Switch

Detects the liquid level in a tank or container by the buoyancy of the liquid. Widely applied because of its simple structure & easy handling.

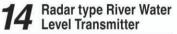
Matsushima



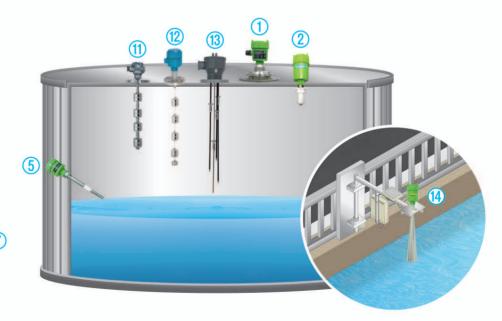
Detects the liquid level in a tank by using the buoyancy of the liquid. Float is suspended by a wire, and it can be applied for up to 9m range tank.

3 Electrode Type Level Switch

When a conductive liquid contacts with the electrode rod, the circuit is closed between the common and detection electrode and detects the liquid level Max. 6 contact outputs are available.



This liquid level transmitter continuously measures the water levels of rivers, sluice gates, dams, sea levels, reservoirs, drainage pit at water treatment facilities, etc. This radar type liquid level transmitter is registered in NETIS (New Technology Information System) by Japanese government.



Application



Radar Level Transmitter for Cement silo



Admittance Level Switch for Upper Limit Detection for Coke hopper



1

Dust Monitor for Bag filter outlet



Sounding V Level Meter for Storage silo