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|  |  | BELT CONVEYOR PROTECTION |  |
| CONTINUOUS LEVEL MEASUREMENT |  |  | |
| <div>  </div> | | | |
| | POSITION TRANSMITTER |  | POWDER MEASUREMENT |
| |  |  | |
|  |  | POINT LEVEL DETECTION | |
|  | ACTUATOR |  | |

MATSUSHIMA Measure Tech Co., Ltd.

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【Oversea sale】
Seoul Liaison office (Korea) 220, 2F Hyundai Knowledge Industry Center, 70, Dusan-ro, Geumcheon-gu, Seoul, Republic of Korea Tel : +82-(0)2-852-3731 Fax : +82-(0)2-852-3734

【Affiliated company】
Shanghai Dahong Matsushima Machinery Co., Ltd. 70 Hengchang Road, Dahongcun, Maluzhen, Jiadingqu, Shanghai 201801, China Tel : +86-(0)21-5951-4138 Fax : +86-(0)21-5951-4139

【Main products】
•Bulk solid and liquid level measurement •Powder measurement •Belt conveyor protective device
•Electric Actuator •System equipment •Control device

【Establishment】 1946

【Capital】 JPY3,500,000.-

【Representative Director and chairman】 Toru Matsushima

【C.E.O.】 Noritoshi Ikeda

■Main Customers

| | | |
|---|---|---|
| <ul style="list-style-type: none"> •NIPPON STEEL CORPORATION •NIPPON STEEL NISSHIN CO., LTD. •TAIHEIYO CEMENT CORPORATION •ASO CEMENT Co., Ltd. •Sumitomo Metal Mining Co., Ltd. •TODAKA MINING CO., LTD. •Asahi Kasei Corp. •Mitsubishi Chemical Corporation •Denka Company Limited •Bridgestone Corporation •Sumitomo Rubber Industries, Ltd. •JXTG Holdings, Inc. •Showa Denko K.K. •Daido Steel Co., Ltd. •Tokyo Electric Power Company Holdings, Inc. •Kyushu Electric Power Company Incorporated •Shikoku Electric Power Company, Incorporated •The Okinawa Electric Power Company, Incorporated •TOKYO GAS Co., Ltd. •JGC CORPORATION •IHI Corporation •NIPPON STEEL ENGINEERING CO., LTD. •Sumitomo Heavy Industries, Ltd. •JPec Co.,Ltd. •Toyo Engineering Corporation •NIPPON ENGINEERING CO., LTD. •UBE MACHINERY CORPORATION, Ltd. •Kubota Corporation •MITSUI MIKE MACHINERY CO., LTD. •FURUKAWA CO.,LTD. •TOSHIBA CORPORATION •FUJI ELECTRIC CO., LTD. •AMANO Corporation •HOSOKAWA MICRON CORPORATION •Murata Manufacturing Co., Ltd. •Nippon Sheet Glass Co., Ltd •Oji Paper Co., Ltd. •Chuetsu Pulp & Paper Co., Ltd. •Kirin Brewery Company, Limited •Nippon Flour Mills Co., Ltd. •Otsuka Pharmaceutical Co., Ltd. •TOYOTA MOTOR CORPORATION | <ul style="list-style-type: none"> •JFE Steel Corporation •Sumitomo Osaka Cement Co., Ltd. •Tokuyama Corporation •MITSUI MINING & SMELTING CO., LTD. •NIPPON STEEL Chemical & Material Co., Ltd. •Toray Industries, Inc. •Tosoh Corporation •The Yokohama Rubber Co., Ltd. •Idemitsu Kosan Co.,Ltd. •Toho Zinc Co., Ltd. •Nippon Denko Co., Ltd. •The Kansai Electric Power Company,Incorporated •Hokkaido Electric Power Co., Inc. •Tohoku Electric Power Co.,Inc. •Electric Power Development Co.,Ltd. •Chiyoda Corporation •Kawasaki Heavy Industries, Ltd. •JFE Engineering Corporation •Hitachi Zosen Corporation •MATSUI MFG. CO., LTD. •Yaskawa Automation & Drives Corp. •Mitsui E&S Machinery Co., Ltd. •Kurimoto, Ltd. •SHINWA CORPORATION •Nippon Conveyor Co.,Ltd. •Hitachi, Ltd. •MEIDENSHA CORPORATION •SINTOKOGIO, LTD. •AGC Inc. •Nippon Paper Industries Co., Ltd. •Marusumi Paper Co., Ltd. •ASAHI BREWERIES, LTD. •Showa Sangyo Co., Ltd. •NISSAN MOTOR CO.,LTD. | <ul style="list-style-type: none"> •Kobe Steel, Ltd. •Mitsubishi Materials Corporation •Ube Industries, Ltd. •Nittetsu Mining Co., Ltd. •Mitsui Chemicals, Inc. •Kuraray Co., Ltd. •JFE Chemical Corporation •Toyo Tire Corporation •TOA OIL CO., LTD. •Nippon Light Metal Company, Ltd. •Chubu Electric Power Co., Inc. •The Chugoku Electric Power Co.,Inc. •Hokuriku Electric Power Company •Osaka Gas Co., Ltd. •Mitsubishi Heavy Industries, Ltd. •Mitsubishi Hitachi Power Systems, Ltd. •YONDEN ENGINEERING COMPANY, INCORPORATED •Diamond Engineering Co., Ltd. •Kurita Water Industries Ltd. •NISSHIN ENGINEERING INC. •Ebara Fan & Blower Co., Ltd. •NGK INSULATORS, LTD. •TAKUMA CO., LTD. •Mitsubishi Electric Corporation •YASKAWA Electric Corporation •Nihon Spindle Manufacturing Co., Ltd. •Central Glass Co., Ltd. •Daio Paper Corporation •Nisshin Flour Milling Inc. •Ajinomoto Co., Inc. •Mazda Motor Corporation |
| <ul style="list-style-type: none"> •POSCO •NATIONAL POWER CORPORAION •THE TAIWAN POWER COMPANY | <ul style="list-style-type: none"> •BAOSHAN IRON &STEEL CO., LTD •THE SIAM CEMENT PUBLIC CO., LTD •FORMOSA PLASTIC CORPRATION | <ul style="list-style-type: none"> •CHINA STEEL CORPORATION •TAIWAN CEMENT CO., LTD |

1 Pull Cord Switch
Emergency stop switch when any accident occurs at belt conveyor.

2 Motor-operated Adjusting Carrier
Automatically detects the belt misalignment and aligns it.

3 Speed Relay (No power required)
Actuates when the revolving speed of shaft becomes the setting value.

4 Speed Switch
Non-contact type revolution sensor for detecting the revolving speed of mechanical shaft.

5 Belt Sway Switch
Protective switch which detects the conveyor belt misalignment and outputs Alarm signal and Emergency stop signal.

6 Belt Tear Detector
Detects when any unwanted material tears belt conveyor and stops belt conveyor.

7 Chute Switch
Emergency switch which stops conveyor when chute is clogged.

8 Conductive Level Switch
Detects by weak current making circuit when probe comes in contact with material. Widely used from adhesive powder to dry powder.

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

10 Damper Actuator
Changes over chute of belt conveyor.

11 Wire-rope type Emergency Stop Switch
Emergency Stop Switch complied with international standard.

12 Microwave Flow Switch
Detects flow or no flow of powder / particle. Used for detection of clogging inside pipe.

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

14 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.

15 Admittance Level Switch
Detects by capacitance variation due to material between probe and tank sidewall. Applicable for wide variety of materials

16 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 concentration level. Detects the breakage of bag filter and continuously monitors the dust level of Dust collector.

17 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.

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

19 Limit Switch (Heavy-duty type)
Emergency stop switch when any accident occurs at belt conveyor.

20 Belt Cleaner
Cleans the conveyor belt transporting material.

Belt Conveyor Protection

Application



Motor-operated
Adjusting Carrier
for adjusting belt misalignment



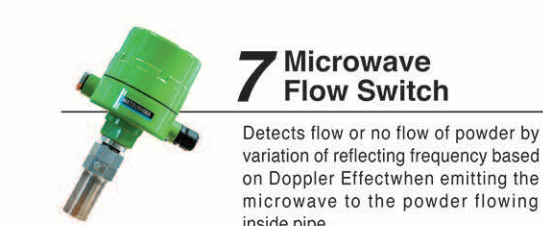
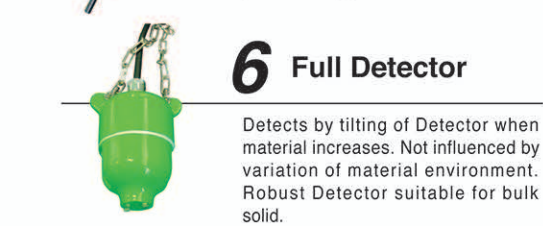
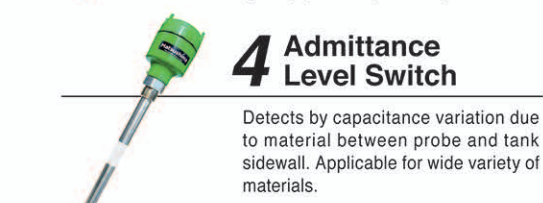
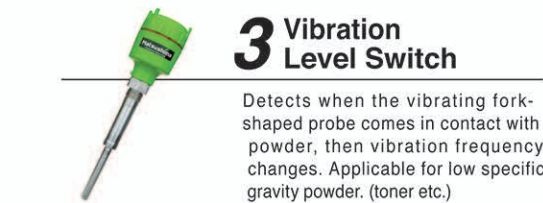
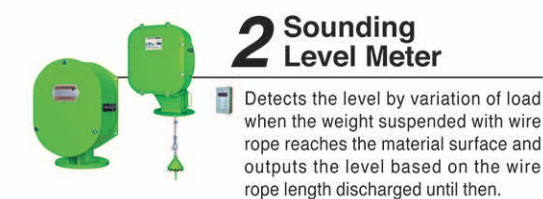
Pull Cord Switch
for emergency conveyor stop



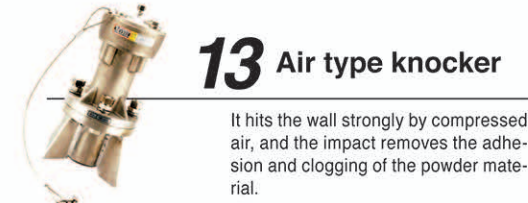
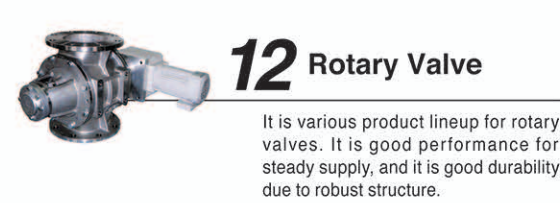
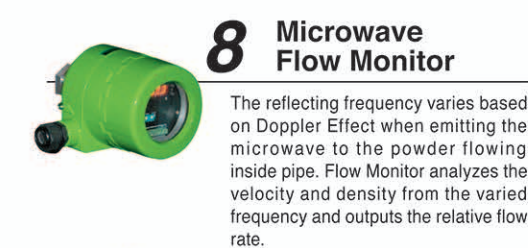
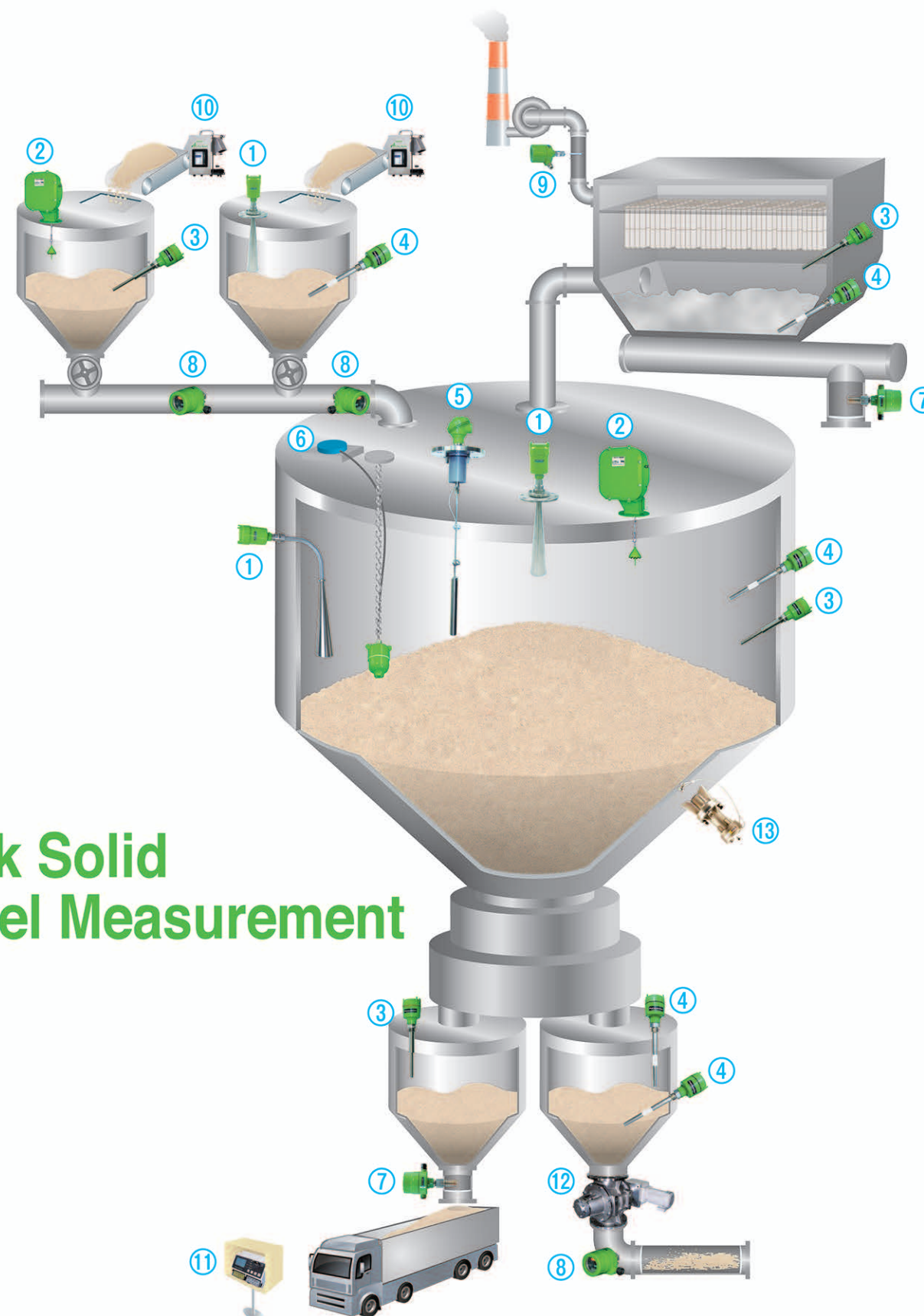
Speed Relay
for conveyor slip detection



Belt Sway Switch
for belt misalignment
detection



Bulk Solid Level Measurement



Application

