

Belt Conveyor Protection & Automation

1 Microwave Barrier Switch

Non-contact type point level detection



2 Tilt Switch

Upper limit detection for bulk material in chute



3 Conductive Level Switch

Upper limit detection switch for chute



4 Chute Switch

Upper limit detection switch for chute



5 Belt Tear Detector

Immediately detect belt tear and stop conveyor



6 Damper Actuator

For changing over chute for belt conveyor



7 Ultrasonic Level Meter

Detect load/non-load condition by measuring height on conveyor



8 Belt Sway Switch

Belt misalignment/sway motion detection.



9 Motor-operated Adjusting carrier

Belt misalignment automatic adjusting carrier



10 Conveyor Starting Indicator

Indicate conveyor driving No power required



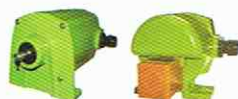
11 Speed Relay

Belt slip detection switch No power required



12 Speed Switch

Belt slip detection switch Setting adjustable at site



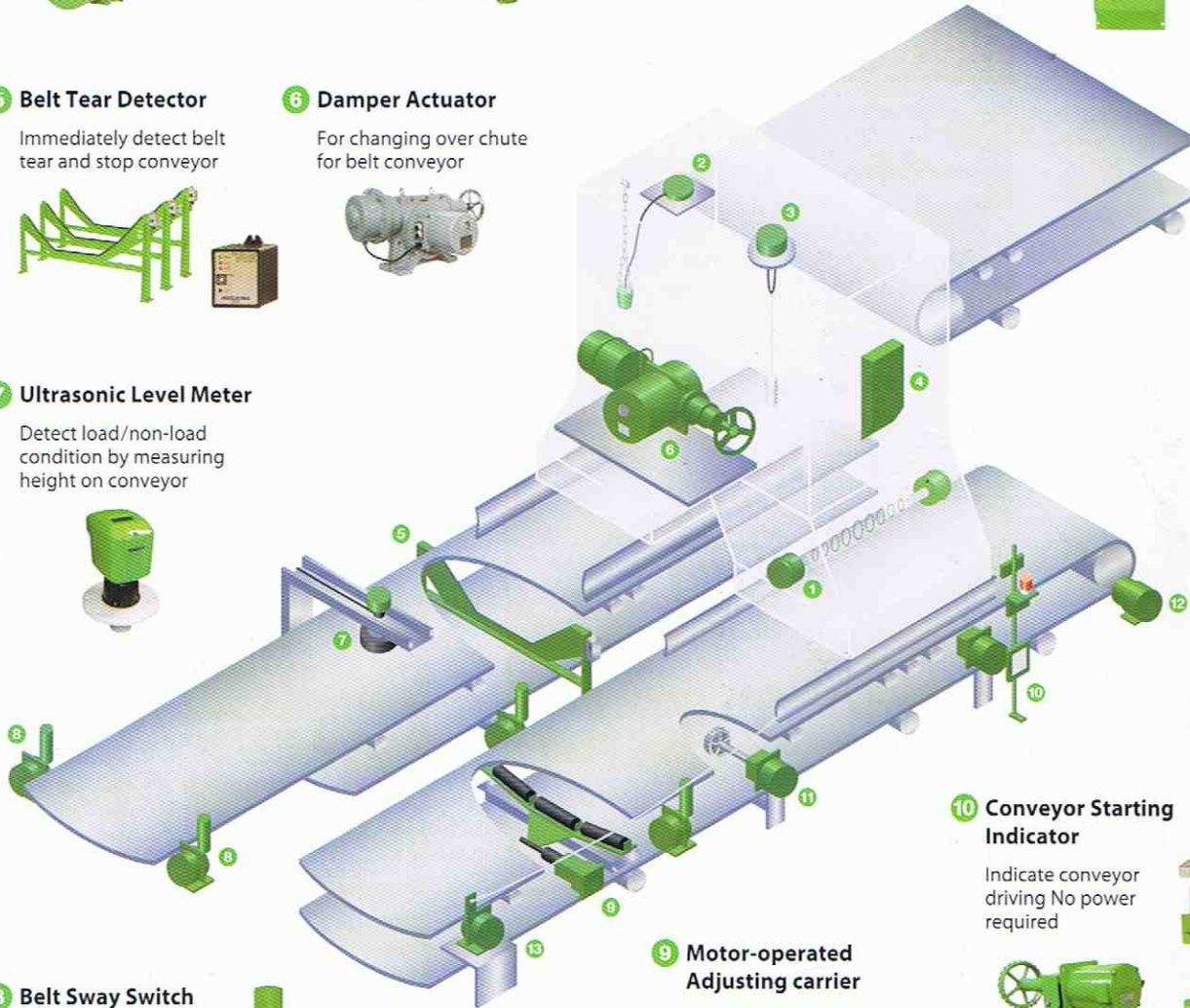
13 Pull Cord Switch

Emergency conveyor stop pull wire switch



13 Pullstop

Emergency conveyor stop pull wire switch



MATSUSHIMA Bulk Handling Solutions

Level, Flow and Automation

Bulk Material Level Measurement

**Sounding V
at storage silo**



**Ultrasonic transmitter
for stacker-reclaimer**



**Pulse radar level meter
at chemical powder silo**



Measurement on Powder Handling Process

**Dust Monitor (compact type)
at bag filter outlet**



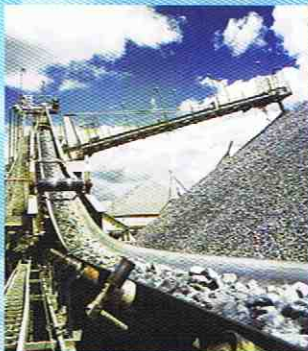
**Microwave Barrier Switch
for lower limit detection at dust hopper**



**Microwave Flow Switch
for screw feeder**



Belt Conveyor Protection & Automation



Pull Cord Switch



Speed Relay



Belt Sway Switch



Conveyor Starting Indicator



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