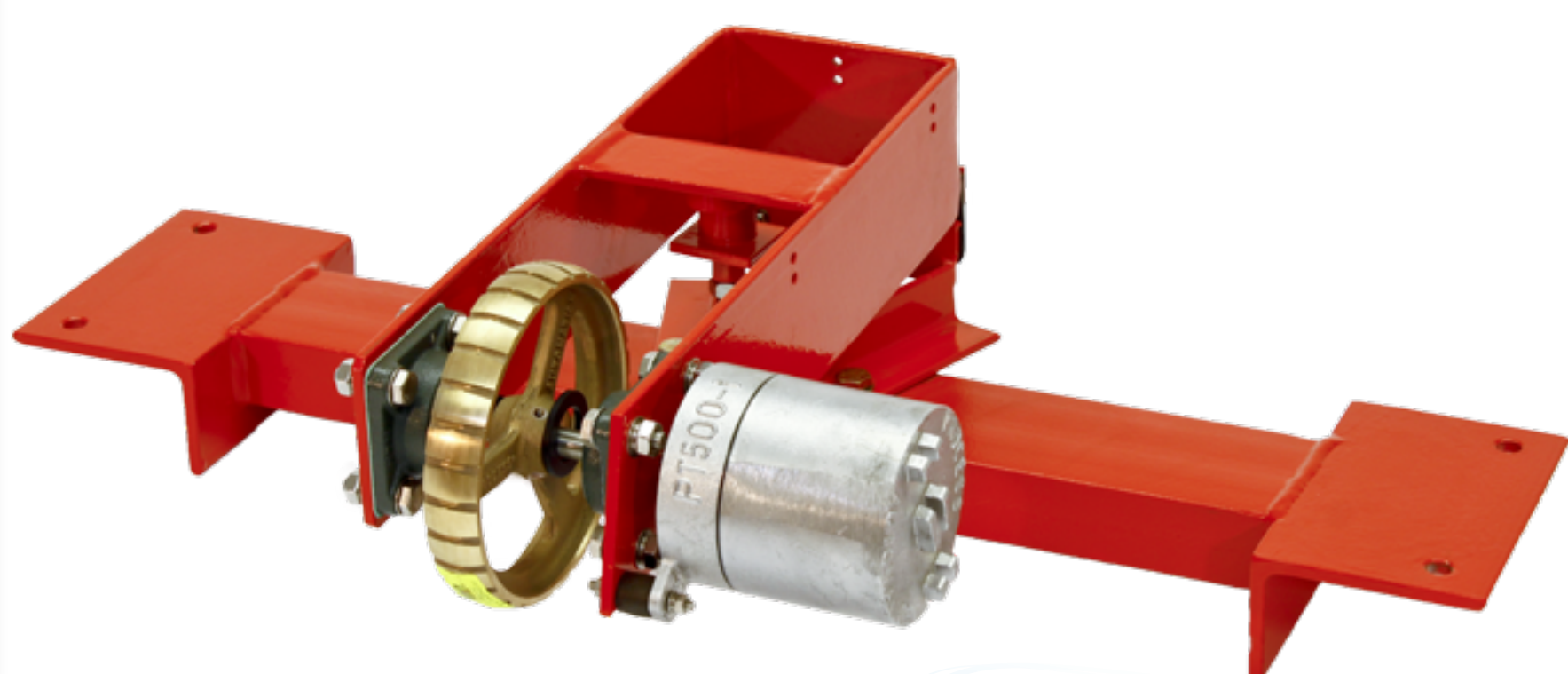


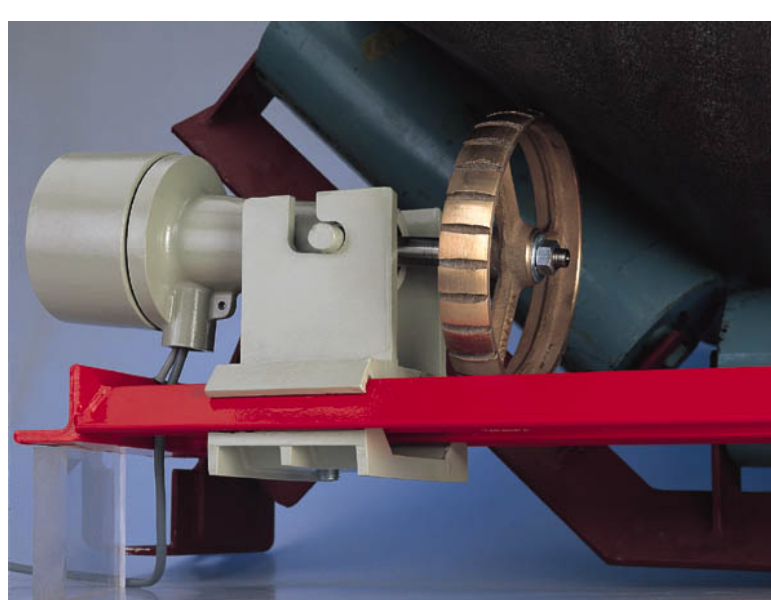
Tripping Conveyors Causing you a Headache?



Frustrated by tripping conveyors due to overload?

The Process Automation **Series 500 Speed Sensor** may solve your problems.

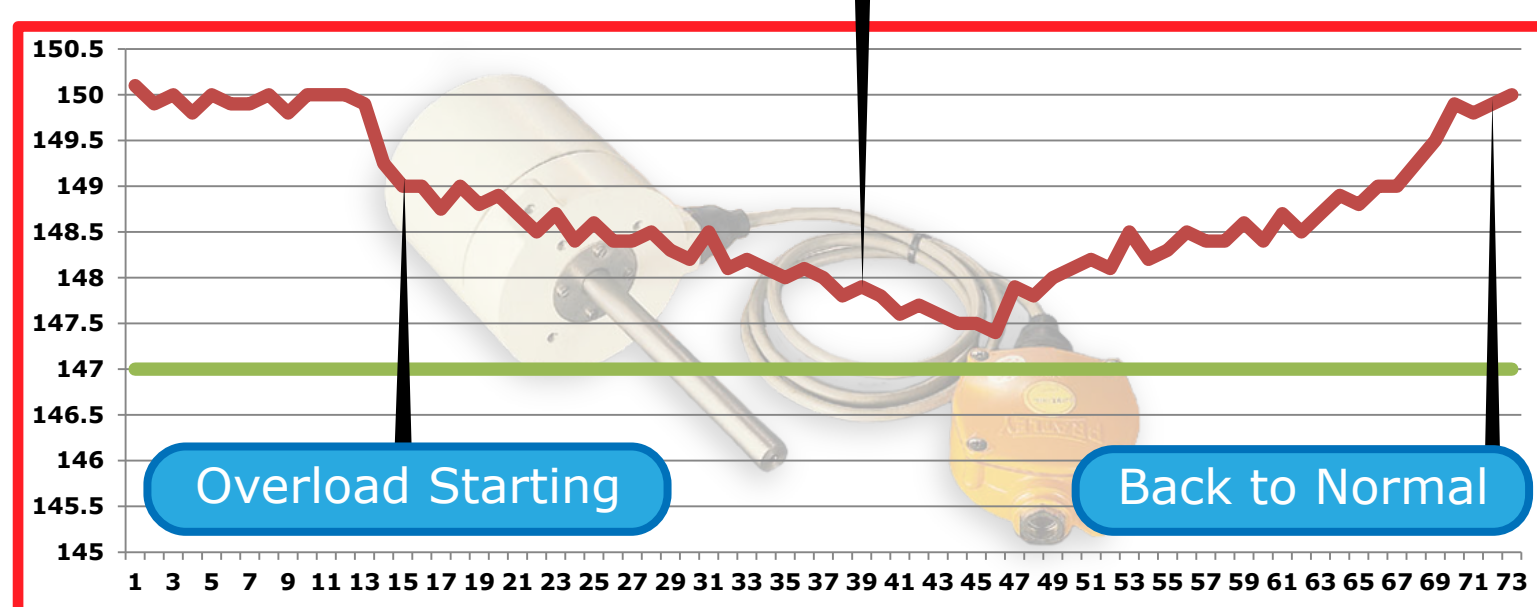
With its continuous output of conveyor speed, it is possible to detect a gradual decrease in conveyor speed. This 'look-ahead' ability allows time for warning / alarm to take action prior to the conveyor reaching its trip point.



— Allowed Slip

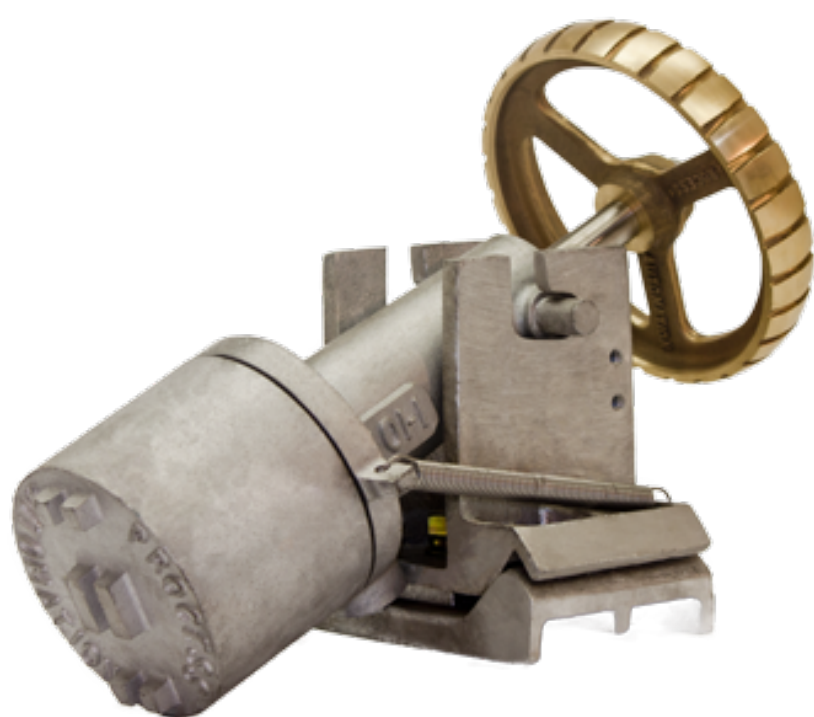
— Speed (m/minute)

Corrective Action Taken



The output of conveyor speed is in the form of 4-20mA (standard – others optional). This signal may be connected to the Plant control system (DCS etc). The DCS will monitor the instantaneous conveyor speed from the high resolution Series 500 speed sensor. Small (but measureable) changes in conveyor speed are passed to the DCS. The DCS is able to provide warning (adjust feed to the conveyor etc) prior to the conveyor reaching a condition where the conveyor is tripped.

The **series 500 Speed Sensor** may also be equipped with a relay output. This output may be programmed to trip after the configured "% slip" (or reduction) from normal speed.



The **Series 500 Speed sensors** are micro-processor controlled and the sensor resolution is 500 pulses per revolution. This ultra-high resolution allows for extremely accurate speed computation resolution.

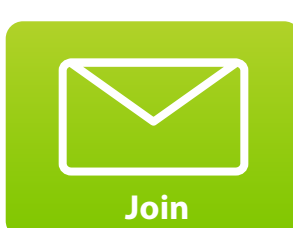
Installation is simple with the optional conveyor cross brace, and calibration may be performed prior to installation. Output is directly proportional to conveyor speed (m/min or m/sec).

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