

SIEMENS



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Milltronics MSI, Milltronics BW500, SITRANS WS300 belt scale system

Continuous weighing.
No light matter

MSI belt scale

Accuracy on the move

The Milltronics MSI is a world class industry leading belt scale with field proven features and benefits for continuous weighing applications. Its unique triple beam parallelogram platform load cells have been specially developed for use in belt conveyor weighing solutions.



Belt Scale Portfolio

Meeting the applications needs head on

Light duty



Medium to heavy duty



Niche



The MSI is the most versatile product in the belt scale portfolio

Milltronics MSI/MMI	Standard, hazardous, trade, applications in any industry
Milltronics MCS	Standard, Hazardous, compact, applications in heavy industry
Milltronics MUS	Standard applications in non critical heavy industry
Milltronics WD600	Specialized applications in food, chemical and tobacco
Milltronics MLC	Specialized applications in food, chemical and tobacco
SITRANS WB300	Niche applications on pan/apron conveyors
SITRANS WB310	Niche applications in the recycling industry

Top highlights at a glance

Award winning solution

MSI, WS300, BW500

Unique triple beam load cells do not react against horizontal forces from the conveyor belt +



No moving or rotating parts minimizes maintenance requirements +

More approvals than any other belt scale +

General purpose
Hazardous
Food processing
Trade (MSI/MMI)



Internal speed signal processing ensures reliable speed sensing +

Seamless connectivity options +

Modbus ASCII & RTU
Modbus TCP/IP
Ethernet/IP
Profibus DP
Profinet
Devicenet



Three components

Belt scale



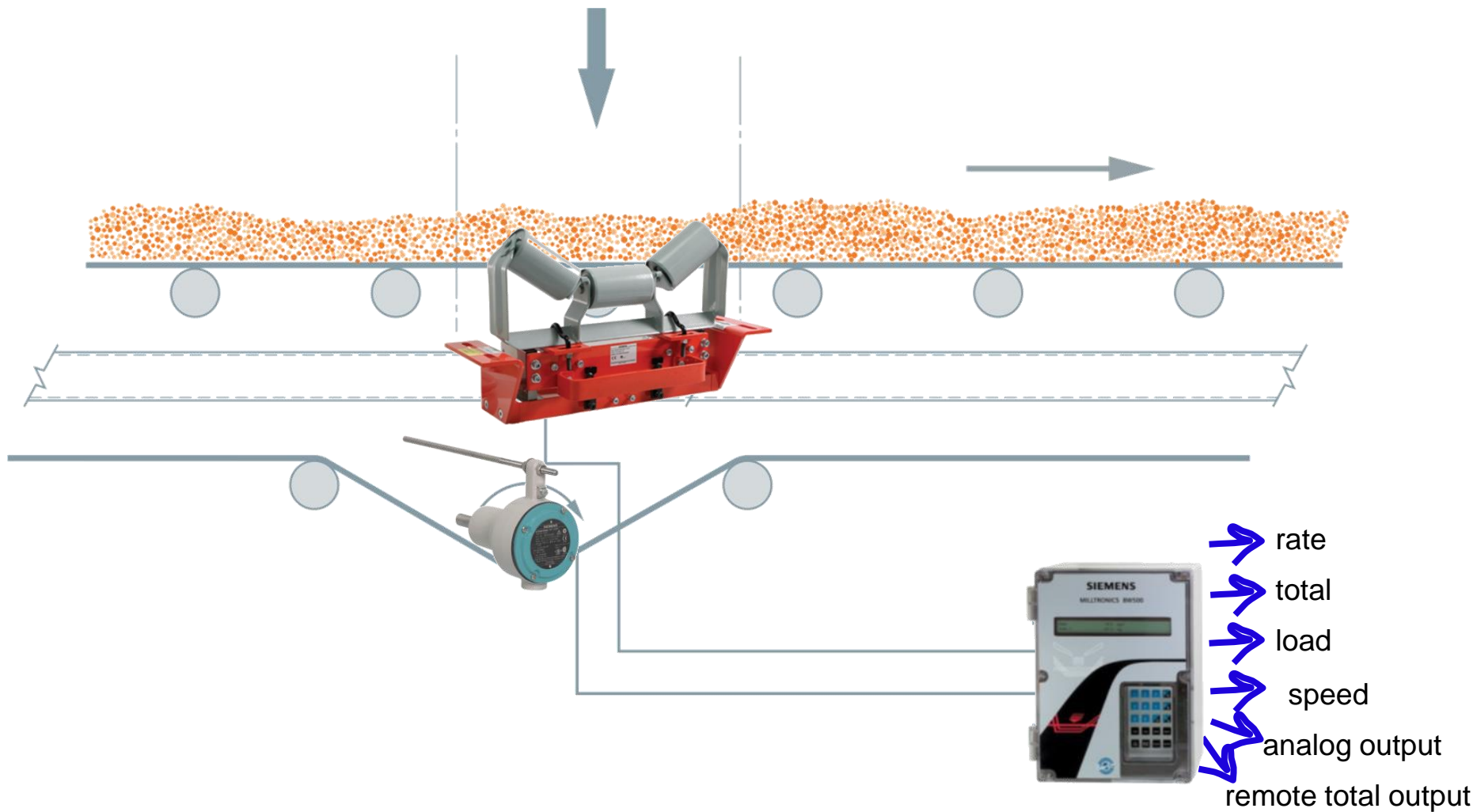
Speed sensor



Integrator



Belt scale basics



Target industries / applications

Any industry, anywhere

Target industries / applications



Mining / Aggregates / Cement / Power Gen / Steel

- Material transport monitoring
- Load out
- Production quality control



Food & Bev / Chemical

- Recipe control
- Material delivery monitoring
- Load out



Pulp & Paper / Environmental

- Material transport monitoring
- Load out
- Production quality control

Product data overview

Essential ammunition

Milltronics MSI belt scale

	Specification
Accuracy	MSI: $\pm 0.5\%$ over a 20-100% flow rate range MMI-2: $\pm 0.25\%$ over a 20-100% flow rate range MMI-3: $\pm 0.125\%$ over a 25-100% flow rate range
Capacity	Up to 12,000 tph [13,200 STPH]
Sizes	18-96" belt widths in 1" increments 450-2400 mm in 25.4 mm increments
Construction options	Polyester powder painted mild steel 304 [1.4301] stainless steel 316 [1.4401] stainless steel Electro galvanized mild steel

MSI – Milltronics Single Idler



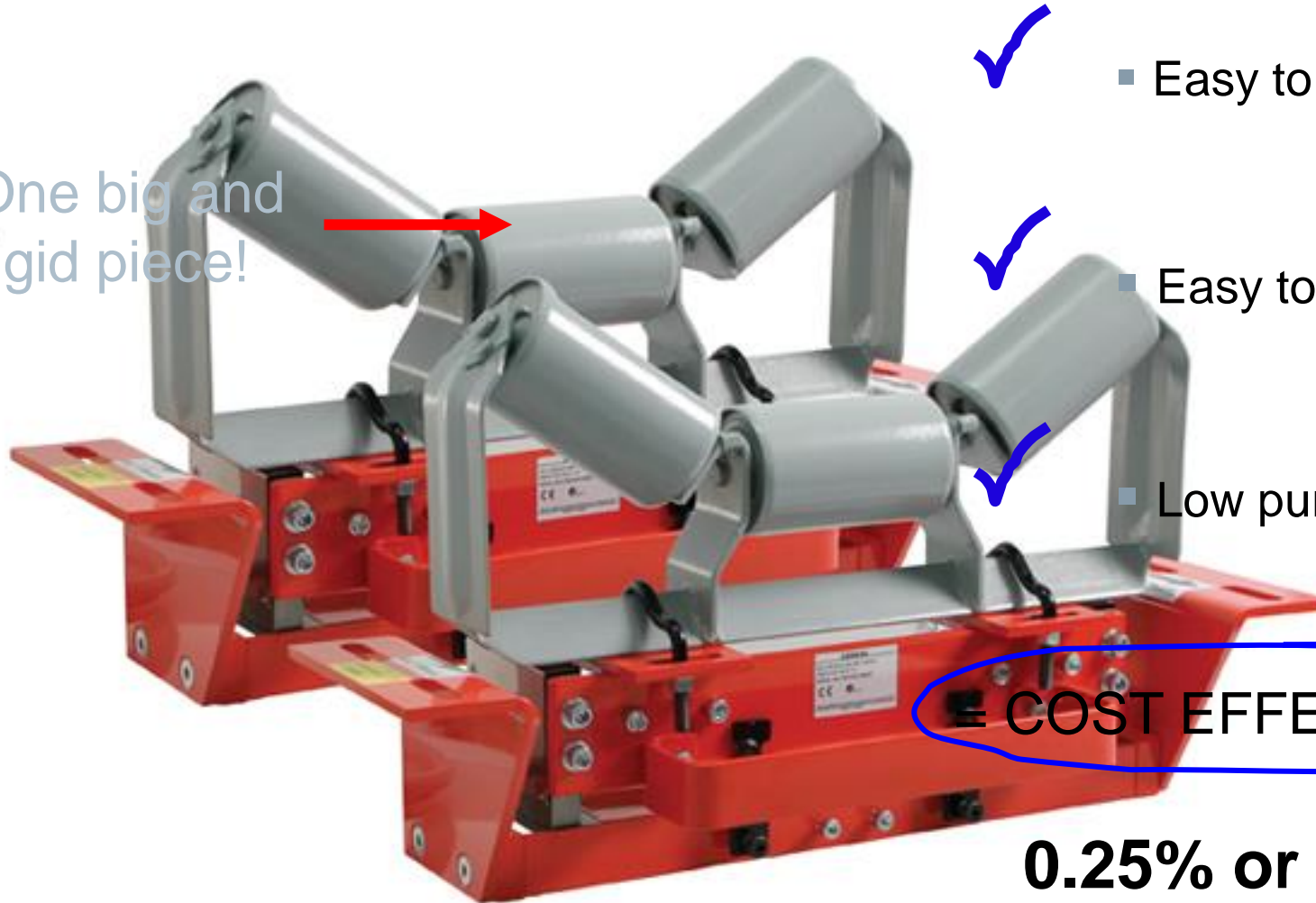
0.5% or better

MSI in the field



MMI – Milltronics Multi Idler

One big and rigid piece!



▪ Easy to install



▪ Easy to commission



▪ Low purchase price

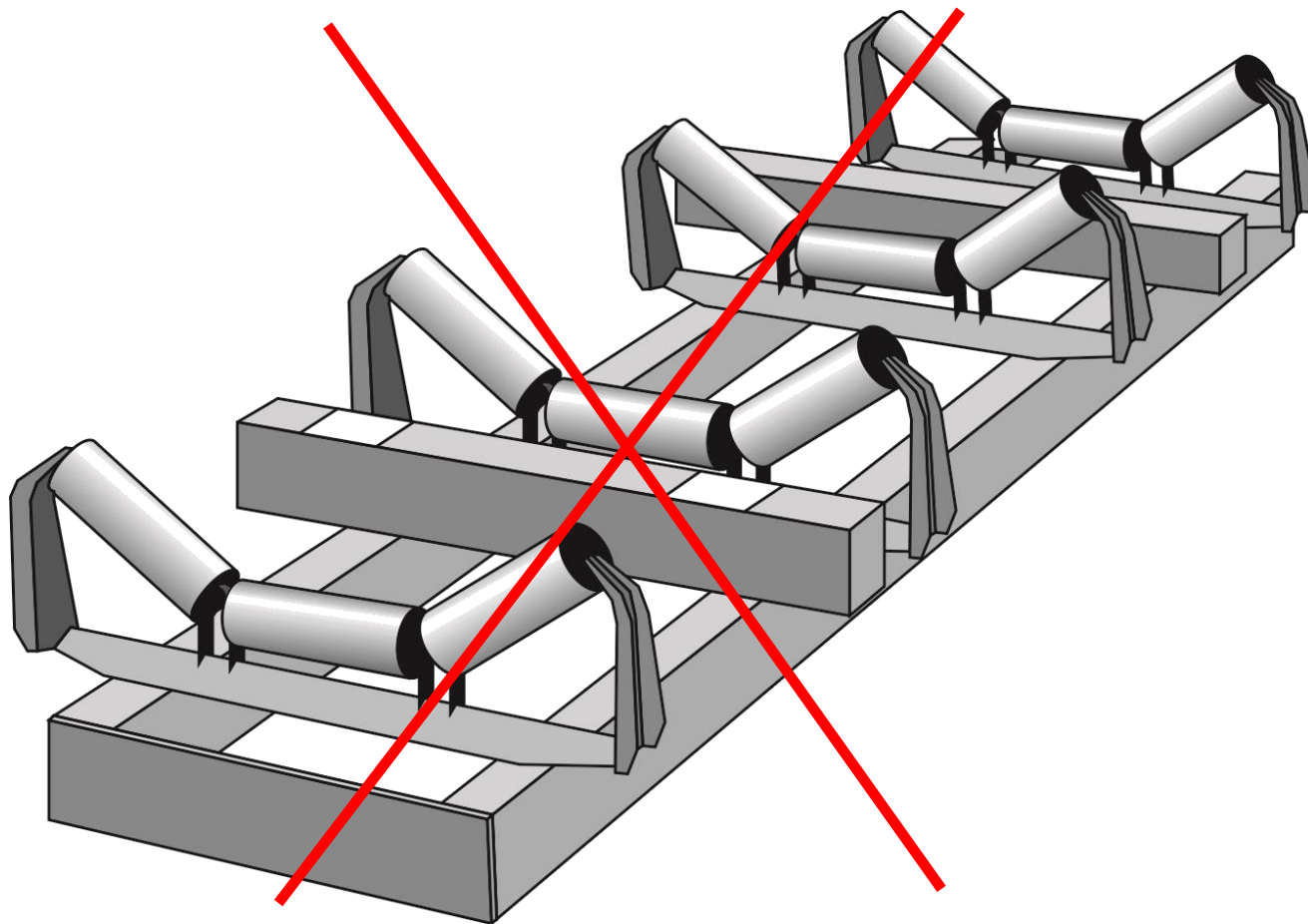
COST EFFECTIVE!

0.25% or better

MMI in the field



MMI – Milltronics Multi Idler



A belt scale worth its weight in gold

Mining precious metals in Russia



Milltronics MSI, BW500 and SITRANS WS300 belt scale monitoring transportation of un-processed gold ore

Customer: **Polymetal International** (Pevek / Russia)
Industry: **Mining**

Benefits for the customer:

- Fast and headache free installation
- Replaced a 4 idler competitor model producing 1% accuracy with 0.15% accuracy

For more information please visit our website
www.siemens.com/weighing

