

### **Recommendations for the Installation Planning of Belt Weighers**



# 10 rules to ensure proper functioning and high accuracy

Strict observation of the following rules is essential with a view to minimizing factors which might adversely affect the functioning and measuring accuracy of the belt weigher, and which originate from the weigher environment. For maximum accuracy (related to the actual value), rules 4, 5 and 9 are of particular importance. The measuring stations themselves are of rugged design, and resistant to torsion.

Detailed instructions for installation and alignment are given in our installation, calibration and commissioning instructions

# Install the belt weigher in a straight belt section

The adjacent illustrations show a number of typical locations of belt weighers for different conveyor belt arrangements.

The numbers in the circles represent a rating scale (from 1 = to be preferred to 6 = unfa-vourable), characterizing the influence of the place of installation on the accuracy of the belt weigher.



Horizontal belt conveyor







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The angle of inclination of the belt must be such that there is **no relative movement of the material** handled.

Install the belt weigher sufficiently far away from the hopper to ensure that the bulk solids flow has settled and there is no relative movement of the material.





 Before installation of belt weighers, check to see that site can easily be accessed.

In the case of legal-for-trade

cal weights and measures regulations must also be ob-

served.

belt weighers, the pertinent lo-



## The Right Belt Weigher for Every Belt Conveyor





Achievable accuracy:	±1%
Maximum feed rate:	approx. 4.000 t/h
Range of belt widths:	400 – 1.400 mm







#### Single-idler belt weigher type BED

Achievable accuracy:	$\pm0,5~\%$
Maximum feed rate:	approx. 15.000 t/h
Range of belt widths:	1.600 – 2.000 mm

#### Multi-idler belt weigher type BMP

Achievable accuracy:	$\pm0,25$ %
Maximum feed rate:	approx. 15.000 t/h
Range of belt widths:	500 – 2.000 mm

### Single-idler belt weigher type BEP

Achievable accuracy:	$\pm0,5~\%$
Maximum feed rate:	approx. 6.000 t/h
Range of belt widths:	400 – 1.400 mm



#### Multi-idler belt weigher type BMC

Achievable accuracy:	$\pm0,25~\%$
Maximum feed rate::	approx. 20.000 t/h
Range of belt widths:	500 – 2.000 mm

Higher belt widths available upon requeste