SAAT TECHNOLOGE

Science of Seed Processing

General

Brand	Saat Technologe
Designation	Weigh Belt Conveyor Scale.
Model	WBCS Series
Application	Weighing a flow of products into continuously.

Saat Technologe Weigh-Belt Conveyors find applications in processing mainly grain, food, cement, mine, and chemical industries to supply materials with the necessary flow rates accurately and continuously.

The indicators used in the system possess Wheatstone bridge-based load cells for weight measurement and encoders coupled to the shaft for speed measurement. By utilizing the PID (Proportional-Integral-Derivative) closed-loop control method, the speed of the belt reaches the desired flow rate. At the same time, the realized flow rate is transferred to the main control room either analog or digitally. This enables the raw materials to be fed to the mill according to the recipe selected.

The operating state of the indicator, target and realized flow rates, total material passed, and error and warning messages can be viewed and set on the operator display of the indicator or remotely on the operator display of the main control unit PLC.
It is certified according to the 2014/32 AB Directive

Model	WBCS -100	WBCS -150
Capacity	0,1 - 9 t/h	0,5 - 20 t/h
Belt Width	70 cm	85 cm
Filling Edge	20 x 25 cm	25 x 35 cm
Motor Output	0.37 kW	0.75 kW
Belt Range	0.01 - 0.2 m/s	0.01 - 0.2 m/s
Roller Diameter	160 mm	160 mm
Load Cell	2	2
Constriction	Stainless Steel, Steel	Stainless Steel, Steel
Usage of Sector	Food, Chemistry	Food, Chemistry, Cereal
Accuracy	± %0.5 - ± %0.25	± %0.5
Operating temperature interval	30	30
Belt Material	PVC	PVC

Options;

EtherNet / IP Communication Card

Modbus TCP Communication Card

Profibus Communication Card (DP slave)

Profinet IO Communication Card

RS232 & RS485/RS422 Serial