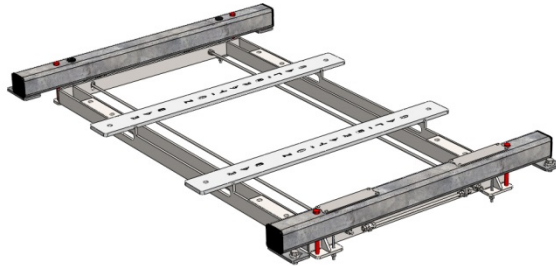# WTE2S2 Conveyor Belt Scale

The model "WTE2S2' is one of Web Tech AutoWeigh's "Inventory" type conveyor belt scales, and is suitable for applications including the measuring of material delivered to stockpiles and trucks, or monitoring plant performance. Accuracies in the order of ±0.5% are achievable.

Weigh Frame

Web Tech AutoWeigh's model "WTE2S2" dual idler, fully suspended weigh frame has been specifically designed for applications with relatively low belt loadings, and is ideal for low bulk density materials such as woodchips. The lightweight but extremely strong weigh frame is supplied with four (4) load cells, with the capacity selected to provide the best sensitivity for the application.

Available to suit belt widths from 450mm to 1200mm, the weigh frame can be supplied in either mild steel galvanised, or stainless steel construction.

Electronics

The "WTE2S2" belt scale system is normally supplied with our "MasterWeigh 6" electronics. The "MasterWeigh 6" electronics is a microprocessor based integrator and comes with the following standard features:

- Microprocessor based.
- 110/240VAC or 24VDC supply (optional).
- IP66 reinforced polyester enclosure.
- Modular in design – easily serviceable.
- Simple menu driven interface.
- Integral keypad with calibration "Hotkeys".
- 2 x 40 character backlit LCD display.
- All commands in simple English – No hieroglyphics or codes used.
- 8 digit Mass Rate display.
- 8 digit Mass Total display.

- Isolated 4-20mA Rate output.
- Remote Totaliser output.
- "Weigher Healthy" relay output.
- Programmable "Auto Zero Tracking" function with "Out of Limits" relay output.
- Service menus allow load cell and speed sensor values to be read without the need for test meters.
- Automatic Zero & Span calibrations.
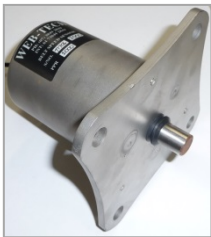- Optional "Profibus", or "Device Net"or "Ethernet/Modbus TCP"
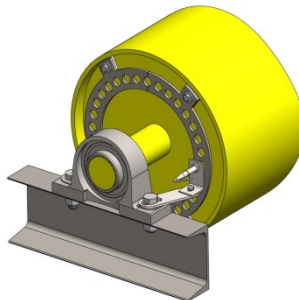
"MasterWeigh 6" in standard
IP66 RFP Enclosure

MasterWeigh 6" in optional
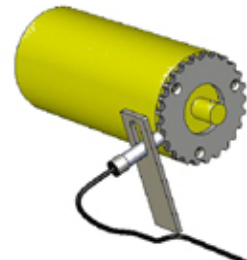Stainless Steel Enclosure

Belt Speed Sensors

This belt scale is available with a number of different standard types of belt speed sensors to suit the application.
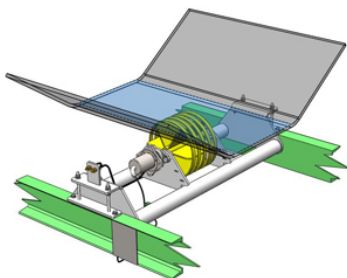

Stainless steel
digital encoder

Proximity switch and
flags on tail pulley

Magnetic Pick-up
and sprocket on roll

Options

This model Belt scale is available with a variety of options

Optional Spiral Pulley
and mounting frame

Stainless steel sunshade
for electronics

Calibration Chains

AutoWeigh

WEB TECH

Designers and Manufacturers of
Continuous Weighing and Feeding Equipment

BELT WIDTH	'A'	'B'	'C'
450mm	765.0	700.0	400.0
500mm	815.0	750.0	450.0
600mm	915.0	850.0	550.0
650mm	965.0	900.0	600.0
750mm	1065.0	1000.0	700.0
900mm	1215.0	1150.0	850.0
1050mm	1365.0	1300.0	1000.0
1200mm	1515.0	1450.0	1150.0

IDLER PITCH	'D'	'E'	'F'
1000mm	1730.0	1680.0	1480.0
1200mm	1930.0	1880.0	1680.0
1500mm	2230.0	2180.0	1980.0