



WEB TECH AUTOWEIGH

Manufacturers and designers of bulk solids weighing & proportioning systems

Model "WTS2" Conveyor Belt Scale

Web Tech AutoWeigh's model "WTS2" Conveyor Belt Scale is a heavy duty system, suitable for belt widths from 450 mm to 2400 mm. The weighframe is a dual idler, dual load cell precision weigh scale, with typical accuracies of $\pm 0.5\%$ achievable. The "WTS2" is ideal for inventory, ship loading or truck/train load out applications.

The "WTS2" system is provided with a choice of Web Tech AutoWeigh's "Masterweigh" or "Optimus" range of electronics, with various options to suit your application.

The "WTS2" weighframe is supplied fully assembled for easy installation into the conveyor structure. The "WTS2" weighframe is fabricated from heavy wall RHS to minimise deflection and twisting, even under heavy loadings. Standard models are available for 1000, 1200 and 1500 mm idler spacings. Other idler spacings are optionally available.

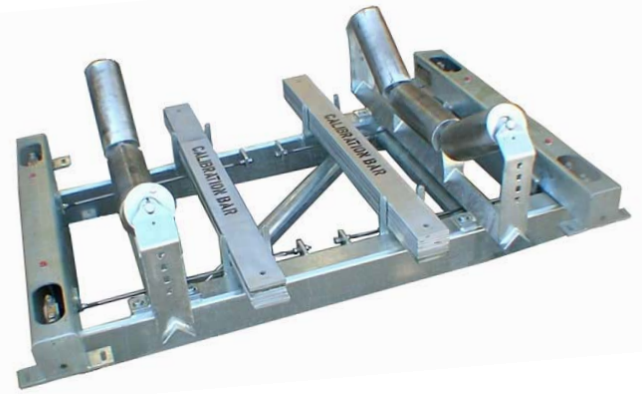
Proprietary weigh idlers can be supplied from the idler manufacturers, or designed and manufactured to suit your application. To allow for easy on-site alignment, idler rolls are supplied with adjustment screws or cams.

Web Tech AutoWeigh's "Masterweigh" range of microprocessor based electronics provide Rate and Total indication, as well as output signals for remote equipment. Features such as Automatic Calibration, Auto Zero Tracking, Service Diagnostics, Digital Filtering, and simple Menu Set-up are standard. All programmed information is protected from unauthorised access by means of field selectable codes. Options such as stainless steel enclosures and sunshades are also available.

A choice of belt speed sensors convert the belt speed into a digital signal, which ensures minute changes in belt speed are accurately measured.

Precision shearbeam load cells are contained within the weighframe structure, ensuring minimal chance of mechanical damage. The load cells are sized to suit the application, and can be upgraded at any time if a change in capacity is required.

For calibration purposes, the conveyor belt scales can be supplied with standard calibration bars, "In-Situ" weights, or calibration chains. "In-Situ" weights are installed on the conveyor structure above the weighframe, and can be easily wound down when required. This reduces the time and personnel required when calibrations are carried out.



(Load cell covers removed for clarity)



Web Tech AutoWeigh has a wide range of Conveyor Belt Scales covering nearly all applications. Please contact us for further information regarding a system for your application.

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WEIGHFRAME SPECIFICATIONS

Materials of construction: Mild steel, galvanised. Stainless steel optionally available.

Belt Widths: 450 mm to 2400 mm standard. Other belt widths by request.

Mounting centres: Designed to suit existing conveyor idler standards. Non standard conveyor Structures with different centres can also be supplied.

Idler spacing: 1000/1200/1500 mm standard. Other spacings optionally available.

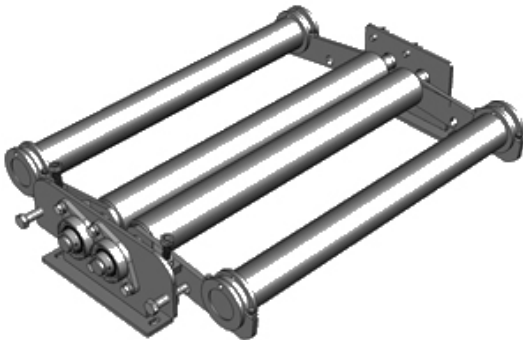
Load Cells: Precision shearbeam c/w junction box.

ELECTRONICS

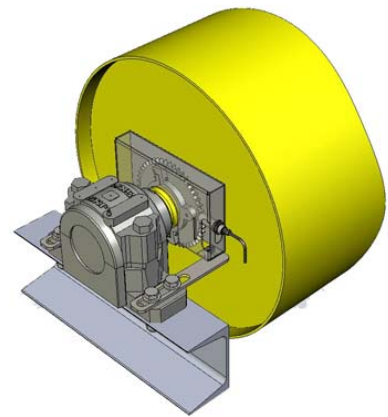
Web Tech AutoWeigh's range of electronics including "Masterweigh 6", "Masterweigh 7" and "Optimus" can be used with the model "WTS2" system, depending on the requirements of the application. Most applications typically use the "Masterweigh 6" electronics which provides all of the information required. All of the various model electronics provide local rate and total displays as well as outputs for remote indication. Options such as Devicenet, Profibus and Ethernet serial communication ports are also available. Please refer to the individual brochures for more details

SPEED SENSOR

Types available: Incremental Encoder/Proximity Switch & Flags/Magnetic Pick-up. Encoder and proximity switch types are mounted to a non-driven pulley (usually the tail pulley). For applications where this is not suitable we offer the Magnetic Pick-up option, or can supply a spiral pulley which can be installed near the weighframe.



Dual lift "In-Situ" Calibration Weights



Pulley mounted proximity switch & flags

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