



PRODUCT BROCHURE | BELT WEIGHER SYSTEMS

Compact Belt Weigher (CBW) Range

CBW1-1 • CBW1-1 Multiwidth • CBW2-1



Your partner for the improved performance, purity & efficiency of material flow systems for mining & quarrying.

Australian designed & built

Belt weighers and parts made to suit your site.

NMI licensed technicians

Mine-site compliant crews for install & calibration.

Australia-wide service

Brisbane, Rockhampton, Sydney & Melbourne.

Gain Control & System Balance

Accurate Industries offer a range of Compact Belt Weighers (CBW) from $\pm 0.50\%$ accuracy, depending on belt speed, application and location. Belt Weighers allow you to monitor production output and inventory, or regulate product load-out, whilst feeding back information to the plant. These systems are commonplace in quarries, mines, process plants, ports and more.

The CBW range covers three configurations — a fully welded custom-built scale, an off-the-shelf bolt-together Multiwidth scale, and a two load cell CBW2-1 for wider belts — so there is a compact belt weigher to suit almost any application and lead time.

PRECISE

The highest possible accuracy for the equipment & conditions

ROBUST

Made for the environment — built to last

FLEXIBLE

Flexible designs to meet all requirements & conveyor types

WHICH CBW IS RIGHT FOR THE APPLICATION?

CBW1-1	Fully welded, custom-built to suit the application. Single idler, single load cell.
CBW1-1 Multiwidth	Off-the-shelf, bolt-together construction. Usually in stock, available for fast despatch. Store-in-place, lever-applied calibration weights.
CBW2-1	Two load cell variant for larger belt widths, up to 2000mm. [^] Single one-piece stainless steel drop-in module.

[^] Belt width shown is the standard range for this frame. Custom and out-of-range widths are available — consult Accurate Industries for your specific application.

INTEGRATORS & SPEED SENSORS

Whatever the application, Accurate Industries has an integrator and speed sensor to meet the requirement. The CBW range can be used with a variety of integrators — including Schenck Process Intecont Tersus and EMC ModWeigh — and a variety of speed sensor options, including spiral cage, trailing arm and drum flag marker types.

COMPLETE LIFECYCLE SUPPORT

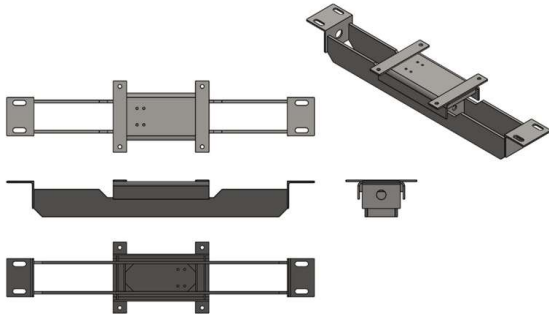
Beyond supply, our team provides consultation and design, installation and commissioning, calibration and testing, repairs and maintenance, and remote support — for CBW scales and all major belt weigher brands.



CBW installed on site

CBW1-1 FULLY WELDED, CUSTOM-BUILT

The CBW1-1 is a single load cell, single idler, fully welded belt weigher, custom designed and built to suit your specific conveyor. Each scale is manufactured to order in stainless steel for the application, giving a direct, rigid connection between the weigh frame and the conveyor structure.



KEY FEATURES

- Fully welded, custom-built construction to suit the exact application
- Single load cell, single idler carriage arrangement
- Direct belt loading measurement — no pivots, lever arms or bearings
- Designed to lower the chance of binds and material build-up
- Full stainless steel construction, bead blasted finish
- Compatible with a range of integrators and speed sensor options

SPECIFICATIONS

Belt Width	Up to 1,000mm [^]
Construction Method	Fully welded, custom-built carriage
Idler Spacing	Application-specific — any spacing available, consult AI
No. of Idlers	One (single idler)
Load Cells	One (single load cell)
Accuracy	0–2.0 m/s ($\pm 0.50\%$) 2.0–3.5 m/s ($\pm 1.00\%$)*
Construction	Stainless steel
Finish	Bead blasted stainless steel
Load Cell Rating	OIML R-60 approved, safe to 150% of load cell capacity
Calibration	Stored-in-place calibration weight (optional)
Integrator	Compatible with a range of integrators, incl. Schenck Process Intecont Tersus & EMC ModWeigh
Speed Sensor	AI Spiral Cage, Trailing Arm, or Drum Flag Marker (custom options available)

[^] Standard belt width range for this frame; custom and out-of-range widths available. * Accuracy depends on installation and conditions; see Notes on page 6.

CBW1-1 MULTIWIDTH OFF-THE-SHELF, BOLT-TOGETHER

The CBW1-1 Multiwidth is an off-the-shelf, bolt-together version of the CBW1-1, built ready to suit a range of belt widths without a custom build cycle. It is usually held in stock and available for fast despatch, and comes standard with store-in-place, lever-applied calibration weights for straightforward on-site calibration checks.



CBW1-1 Multiwidth



CBW1-1 in the field



Lever-applied calibration weight

KEY FEATURES

- Bolt-together construction — off-the-shelf, no custom build lead time
- Usually in stock and available for fast despatch
- Store-in-place, lever-applied calibration weights as standard
- Single load cell, single idler carriage arrangement
- Direct belt loading measurement — no pivots, lever arms or bearings
- Full stainless steel construction

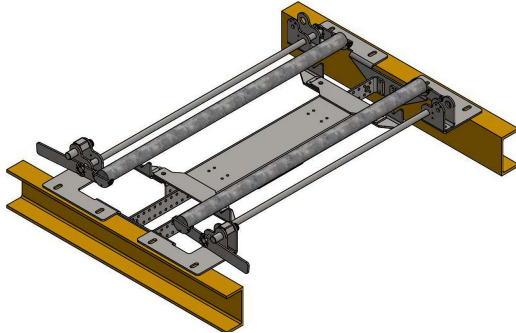
SPECIFICATIONS

Belt Width	Up to 1,000mm [^]
Construction Method	Bolt-together, off-the-shelf carriage
Availability	Usually in stock, available for fast despatch
Idler Spacing	Application-specific — any spacing available, consult AI
No. of Idlers	One (single idler)
Load Cells	One (single load cell)
Accuracy	0–2.0 m/s ($\pm 0.50\%$) 2.0–3.5 m/s ($\pm 1.00\%$)*
Construction	Stainless steel
Load Cell Rating	OIML R-60 approved, safe to 150% of load cell capacity
Calibration	Store-in-place, lever-applied calibration weights (standard)
Integrator	Compatible with a range of integrators, incl. Schenck Process Intecont Tersus & EMC ModWeigh
Speed Sensor	AI Spiral Cage, Trailing Arm, or Drum Flag Marker (custom options available)

[^] Standard belt width range for this frame; custom and out-of-range widths available. * Accuracy depends on installation and conditions; see Notes on page 6.

CBW2-1 TWO LOAD CELL VARIANT

The CBW2-1 is a two load cell variant of the CBW range, built for larger belt widths up to 2000mm.[^] It is constructed as a single, one-piece stainless steel drop-in module with two independent stored-in-place calibration weights, giving a straightforward retrofit into an existing idler set for wider conveyors.



KEY FEATURES

- Two load cells for larger belt widths, up to 2000mm[^]
- Single one-piece stainless steel drop-in module
- Two independent stored-in-place calibration weights
- Single idler compact belt weigher arrangement
- Full stainless steel construction
- Compatible with a range of integrators and speed sensor options

SPECIFICATIONS

Belt Width	Up to 2,000mm [^]
Construction Method	Single one-piece drop-in module
Idler Spacing	Application-specific — any spacing available, consult AI
No. of Idlers	One (single idler)
Load Cells	Two (dual load cells)
Accuracy	0–2.0 m/s ($\pm 0.50\%$) 2.0–3.5 m/s ($\pm 1.00\%$)*
Construction	Stainless steel
Load Cell Rating	OIML R-60 approved, safe to 150% of load cell capacity
Calibration	Two independent stored-in-place calibration weights
Integrator	Compatible with a range of integrators, incl. Schenck Process Intecont Tersus & EMC ModWeigh
Speed Sensor	AI Spiral Cage, Trailing Arm, or Drum Flag Marker (custom options available)

[^] Standard belt width range for this frame; custom and out-of-range widths available. * Accuracy depends on installation and conditions; see Notes on page 6.

CBW Range Comparison

	CBW1-1	CBW1-1 Multiwidth	CBW2-1
Belt Width	Up to 1,000mm [^]	Up to 1,000mm [^]	Up to 2,000mm [^]
Construction Method	Fully welded, custom-built	Bolt-together, off-the-shelf	Single one-piece drop-in module
Availability	Custom build to order	Usually in stock, fast despatch	Custom build to order
No. of Idlers	One	One	One
Load Cells	One	One	Two
Accuracy*	±0.50% – ±1.00%	±0.50% – ±1.00%	±0.50% – ±1.00%
Calibration	Stored-in-place (optional)	Lever-applied, stored-in-place	Two independent, stored-in-place
Construction	Stainless steel	Stainless steel	Stainless steel

WHY ACCURATE INDUSTRIES

- 100% Australian owned and operated
- Field technicians NMI registered & licensed
- Mine/quarry-compliant vehicles and crews
- Directors with 45+ years hands-on experience
- Service & calibration for all major brands
- Brisbane, Rockhampton, Sydney, Melbourne + Perth partner

NOTES

[^] Belt width shown is the standard range for this frame. Custom and out-of-range widths are available — consult Accurate Industries for your specific application.

* Stated accuracies are ± of actual weight and are based on correct installation and commissioning in accordance with Accurate Industries' Installation, Operation, and Maintenance (IOM) manual. Actual performance may vary depending on belt speed, material characteristics, conveyor design, environmental conditions and installation location. For application-specific guidance, contact Accurate Industries.

TALK TO OUR TEAM

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