

LOAD WEIGHING SOLUTIONS

Today's metal service centers and similar facilities require accurate weight data on the products they receive and ship. They also want to move their products faster and less expensively. How can you meet these requirements, which appear mutually exclusive?

By combining two process steps, Bushman has solved the time consuming problem of load weighing. We have taken our rugged material handling equipment and combined it with the most advanced electronic load weighing equipment to provide immediate, accurate and dependable weight information. By incorporating the load weighing equipment directly into the material handling gear, you can:

- Increase usable floor space by eliminating the need for floor scales.
- Significantly reduce product damage by reducing the number of times the product is handled.
- Increase throughput by reducing material handling time by up to 50%.

Features

- Accuracy from plus or minus 0.1% to 0.5% of applied load within the display resolution.
- All electronic components are commercially available.
- Calibration settings saved in memory that is maintained even during loss of power.

COIL LIFTERS

Bushman manufactures a complete line of coil lifters that have been engineered to meet a variety of dimensional, capacity and special application needs.

Coils can now be weighed on the coil grab while being loaded or unloaded from the truck. The load cells are incorporated into the bail assembly. The weight can be sent by radio link to a remote scoreboard or printer, eliminating the need to run more network cabling throughout the facility.



A major steel company is using coil grabs with built-in weigh systems to reduce product handling. They found these lifts save time and reduce product damage compared to their old procedure that used a floor scale for weighing.

C-HOOKS

Bushman C-hooks can also be equipped with integral load weighing systems. The accuracy of the load cells is from plus or minus 0.2% to 0.5% of full load.

The calibration settings are saved in memory even during loss of power.

All Bushman C-hooks are designed and manufactured in accordance with ASME Spec. B30.20 and BTH-1: Design of Below-the-Hook Lifting Devices.



UPENDERS



While moving through the process bay, coils are often placed on a floor scale and then on the upender. By including a load weighing system in your upender, you can upend and/or rotate coils and weigh them simultaneously. This reduces handling time and minimizes damage to the product. Using multiple load cells in the base of the upender, the signals are summed and a stabilized weight is displayed, unaffected by the motion of the upender.

BOTTOM BLOCKS



Bushman bottom blocks incorporate 360 degree, manual or powered rotating crane hooks that permit the crane operator to position heavy or awkward loads in less accessible work areas. Our unique design does not increase the overall height of the bottom block, an important feature for buildings with low headroom. The load weighing equipment is mounted directly on the bottom block to reduce EMI/RFI (electromagnetic or radio frequency interference).



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