

BELOW-THE-HOOK SOLUTIONS

At Bushman, creative engineering leads to innovative products. We move industry in all the right directions for increased productivity and extended performance.

We custom-design and build below-the-hook lifting equipment for both mill duty and industrial applications. Equipment capacity can range from 50 pounds to hundreds of tons.

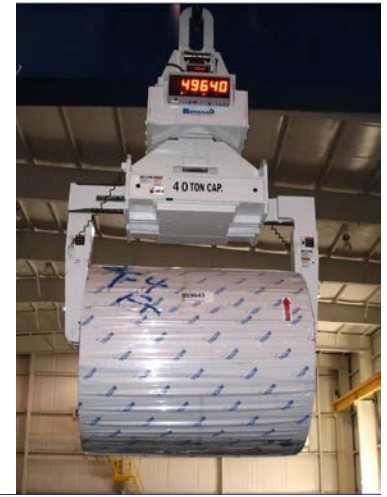
COIL GRABS



Motorized coil grabs are a fast, efficient way to handle coils. Features include low headroom designs, replaceable wear bars for high duty cycle operation, optical sensors, full length coil sensing flapper assemblies on drop legs, protective padding and rollers, special bail configurations, motorized rotation and built-in weigh scales.

LOAD WEIGHING SOLUTIONS

Electronic load cells that provide immediate, accurate and repeatable weight data are available on Bushman bottom blocks, coil lifters, C-hooks, sheet lifters and upenders. With load weighing capability on the lifter, you can reduce material handling time and increase throughput.



C-HOOKS

C-hooks are available in capacities from 50 pounds to 75 tons. Features include:

- Coil edge protection.
- Padded or coated surfaces.
- Special bail designs.
- Low head room and high temperature designs.
- Motorized rotation.
- Integrated weigh systems.
- Storage stands.



SHEET LIFTERS



Sheet lifters handle single or multiple bundles of metal sheets or plates. They are operated by a hand wheel, chain wheel, electric motor or hydraulic cylinders. They can be equipped with low headroom designs; end hooks; telescoping carrying arms, adjustable load forks and much more. All lifters are engineered to order to exactly meet your requirements

VERTICAL RIM COIL GRABS



Vertical rim coil lifters lift coils in the eye-vertical position to permit stacking for heat treating processes. Vertical rim coil grabs are available for single rim and double rim applications.

MAGNET BEAMS



Magnet beams feature twin bail lift-up, fixed length or our motorized telescopic Tri-Beam™, and hardened steel bushings at magnet attachment points. Beams are available with built-in storage stands.

ROTATING SPREADER BEAMS



Manual or motorized rotating spreader beams allow the load to be rotated 90° or more from its pick-up position. Available options include position sensing, limit stops, weigh systems and motor controls that suit your application.

SLIT COIL I.D. LIFTERS



I.D. coil lifters are used to handle slit, banded coils from a packaging line and load onto pallets. Lifting pads are lowered through the I.D. and then opened to lift from under the coil. These lifters are operated by either a hand wheel or through an electric motor.

SPREADER BEAMS



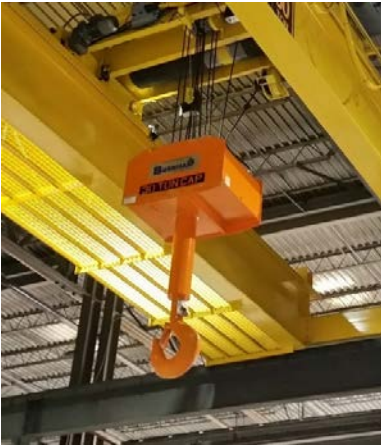
Whether lifting 30 pounds or 300 tons, Bushman designs spreader beams with optimum strength-to-weight ratios so that your crane can lift the maximum live load.

ROTATING AXIS GRABS



Rotating horizontal axis grabs grip the outside of a load and rotate it up to 360° to the proper position. They can be operated manually or powered by an electric or air motor.

HOOK BLOCKS



Hook blocks are designed for any application, from stand-by to mill duty service and especially those for which material positioning is critical or dangerous. Available options include: custom sheave arrangements; varying rotation speeds; hook position

sensing or limit stops; special hooks, weigh systems and controls for AC single speed, variable frequency or DC drives.

LIFTING TONGS



Bushman designs and manufactures a complete line of lifting tongs for handling loads weighing 50 pounds to 100 tons. Tongs are custom designed to suit your applications including work rolls, billets, slabs, pipes, paper rolls, concrete, etc. at high or low temperatures.

DRUM TILTERS



Bushman makes drum tilters up to 3,000 lb capacity that hold drums securely during pick up, movement, and discharge operations. Each ergonomically designed lifter permits precise rotation, from the vertical to the horizontal plane and beyond, for controlled pouring and dumping.

FLIP-RITE®



The FLIP-RITE® material handling system allows safe raising, lowering, rotating and leveling of large, bulky or oddly shaped objects up to 100 tons. The FLIP-RITE® gently rotates your load within the envelope of conventional lifting straps without the shock loading and wear & tear to your crane when attempting to flip over heavy loads.

PALLET LIFTERS



Bushman pallet lifters are available in capacities from 500 pounds to 20 tons. Pallet lifter features include:

- Low headroom designs.
- Fixed or adjustable forks.
- Motorized adjustable forks.
- Multiple fork configurations for long loads.

JIB AND GANTRY CRANES



Bushman builds both custom and standard jib and gantry cranes. Available features include:

- Heavy and light duty designs.
- Floor, column or floor to ceiling mountings.
- Motorized and hand-gear rotation.
- Outdoor service.

CUSTOM LIFTERS



Motorized Roll Lifters

This 6 ton motorized paper roll lifter allows the roll to be rotated and trimmed while suspended above the unwinder.



Reel Lifter

A steel tube producer needed a faster way to handle the wide variety of reels. This 75 ton motorized grab can lift reels by their center axle or through the side walls. Chain slings were eliminated.



Tank Section Lifter

This motorized lifter lifts and rotates rolled plate sections of railroad tank cars.



Palletized Coil Handling

Motorized telescoping pallet lifter handles eye-to-the-sky coils on pallets. User increased his coil storage density.



Machined Part Lifter

2,000 pound manual lifter handles cylindrical machined parts with varying length and width.



Ring Lifter

This custom designed lifter loads forged rings into and out of a bank of vertical turret lathes. After using chain slings, the crane operator now handles the rings in a fraction of the time with improved safety.

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