

SHEET & PLATE LIFTERS

Bushman manufactures a complete line of sheet and plate lifters engineered to meet a variety of dimensional, capacity and application requirements.

Bushman sheet lifters have many production applications and numerous optional features to customize the equipment to your individual needs.

Our engineering staff will work with your design requirements to improve the efficiency, safety and quality of your material handling functions. All sheet lifters are designed according to the latest revisions of ASME Specifications B30.20 and BTH-1, Design of Below-the-Hook Lifting Devices.



SHEET LIFTER MODEL 5500

The Model 5500 sheet lifter is designed for easy one-person operation. A large diameter hand wheel drives a self-locking gear assembly that adjusts the load supporting angles. This is an important safety feature that prevents the unit from accidentally opening under load.



Standard Safety and Design Features

- Self-locking gear design.
- Large diameter hand wheel permits easy width adjustment.
- Compact, low-profile design that permits higher stacking.
- Lightweight design and narrow leg profile which permits use in confined aisle space.

Optional Features

- Chain wheel operating mechanism facilitates material stacking at greater heights.
- Ergonomically designed side-mounted hand wheels and chain wheels.
- Design modifications to accommodate wider loads, higher capacities and longer loads.
- End hooks for additional load stability.
- Extra-low headroom bail.
- Motorized leg operation to provide greater safety and improved efficiency in high volume and difficult-access storage areas.
- Available in a variety of voltage and control configurations including radio control.

SHEET LIFTER MODEL 5600

Bushman's Model 5600 sheet lifter is for heavy to severe duty. The standard four-corner drive facilitates handling a greater variety of load widths, even in narrow aisles.

All optional features listed for Model 5500 are available for Model 5600, plus:

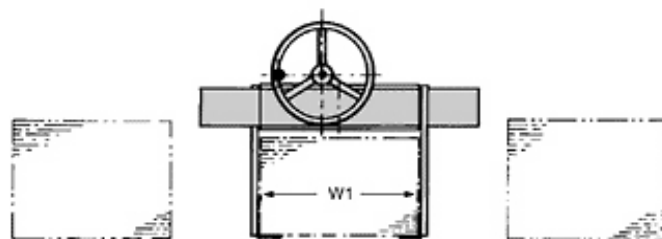
- Motorized double acting drives that permit both side and end support of load
- Capacities up to 50 tons available
- Work-rated slip clutch and motorized drive systems designed specifically for straightening multiple sheet stacks. (See below.)



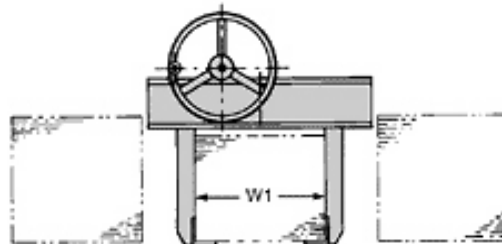
This 15,000 pound capacity sheet lifter is rated for heavy service. It has adjustable lifting feet for lifting palletized or non-palletized sheet stacks.

Comparison of Models 5500 & 5600

The Model 5600 sheet lifter can handle a greater variety of load widths than Model 5500. More significantly, the two models have different drive and drop leg designs. With its legs in the minimum load position, W1, the model 5500's leg assemblies cross and telescope out beyond the width of the sheet lifter frame. This design requires more aisle space to stack materials.



Model 5500



Model 5600

When model 5600's legs are in the W1, or minimum width position, the legs are contained totally within the sheet lifter frame. The Model 5600 permits more efficient use of storage space since it minimizes aisle space requirements.

SPECIAL APPLICATION SHEET LIFTRS



25,000 pound capacity sheet lifter with telescoping carrying arms. Four leg extensions can be manually extended to 40 feet overall length.



Sheet lifter with pin-on angle extensions.



This lifter has two sets of motorized legs to secure the sheet stacks on all four sides.



This telescopic plate lifter has rack and pinion design. This 40,000 pound capacity, mill duty lifter has a two-point crane suspension. It can handle plates up to 146 inches wide and 40 feet long.



This sheet lifter with adjustable position lifting feet operates somewhat like a fork truck. The feet can be adjusted to fit various loaded pallets.



This fully automated sheet lifter is permanently attached to the crane. It also features motorized end supports to reduce the effect of bellying on thin gauge materials.

Sheet Lifter in Aluminum Blanking Process



Bushman recently designed this sheet lifter and crane system for a steel and aluminum blanking company. This customer was adding plastic wrapping as a new value-added service. Bushman's heavy duty, motorized sheet lifter picks up 30,000 pound plastic wrapped stacks from a conveyor and puts them on a shipping pallet. This single lifter can safely pick up a wide range of sheet lengths and widths. The lifter has 14 lifting forks on each side, spaced to clear the conveyor rollers, helping to reduce the potential for product damage.

SPECIAL PURPOSE SHEET LIFTERS



This lifter is motorized but is powered by a self-contained marine battery system. The control panel and pushbutton station are mounted on the lifter. No cable reel is required from the crane.



This 10-ton sheet lifter includes on-board motor controls and a radio remote control system.



This lifter is designed to lift 1,200 pound stacks of foam buns. The operator's pendant station is attached to the lifter.



A sheet lifter can be adapted for handling round shapes. This is a 2,800 pound capacity paper roll lifter.

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