

## FLOOR BASED EQUIPMENT

Bushman custom designs and manufactures a line of floor-based, heavy-duty material handling equipment.

The product line includes die and mold handling equipment, scissor lift tables, load inverters, transfer cars, and upenders.

The company has been building industrial equipment since the 1950's. Many of these machines are still in use, resulting in their well-deserved reputation for ruggedness and reliability.



### LOAD INVERTERS

Load inverters rotate loads through 180 degrees while protecting the integrity of the product. They have a wide variety of applications with products as diverse as molds and dies, stacks of steel blanks, compressor housings and sheets of Corian.



C-frame inverters have a C-shaped cradle that can handle long loads that may extend beyond the end of the frame.



Hydraulic barrel inverters, named for their circular shape, are suited to high capacity or high volume operations.

## UPENDERS

Bushman manufactures a complete line of upenders to meet a variety of dimensional, capacity, and application requirements. Upenders upend coils, molds, dies, paper rolls, cylinders and other heavy bulky loads and tilt them up to 90°. There are two types of upenders, mechanical upenders and hydraulic upenders. The differences between them relate to how they operate, since both are designed to accomplish the same function.

### Hydraulic Upenders



Hydraulic upenders are used when the load is longer than its height, meaning that the load's center of gravity must be lifted as it is tilted.

### Mechanical Upenders



Mechanical upenders tilt the load by rocking it about its center of gravity. Symmetrical loads such as coils, molds and dies, and large castings are well suited for these upenders.

## DIE AND MOLD CARTS

Die and mold carts substantially reduce the time needed to change out tools. This results in higher plant productivity. It also improves personnel safety and reduces the chance for tool damage during handling.

### Model MDC Mast Die Carts



These mast die carts are available in capacities up to 3,400 pound, with single or dual deck, end or side payoff, manual or power tool transfer.

### Tow Carts



Tow carts are built to your specifications depending on the tools you need to move and floor conditions.

### Model LDC-Lite



The LDC-Lite can carry up to 1,000 pounds. Storage racks are built to suit your space requirements.

### Model LDC



Model LDC carts are made to order for your tool sizes and weights. They can be track mounted, free ranging or towable.

### Special Applications



Fully automated systems



Tool storage racks



Mold transfer tables

## LIFT TABLES

Bushman specializes in building high capacity, high duty lift tables for many different applications.



12,000 pound capacity jet engine test cell lift platform. The platform is 22 by 44 feet and vertical travel is 13 feet.



7,000 pound capacity triple high scissors lift platform.



3,000 pound capacity electric screw powered mobile lift table.

## TRANSFER CARS

Bushman builds many types of transfer cars for moving loads between crane bays.



Fully automated electric powered coil car.



60,000 pound capacity towable tube bundle cart. This cart has a hydraulic braking system.



50 ton capacity propane engine powered transfer car.

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