

FLOOR BASED EQUIPMENT

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

The product line includes upenders, load inverters, transfer cars, scissor lift tables, and special machines.

The company has been building industrial equipment since 1950. Many of these machines are still in use after 30+ years of service, resulting in their well-deserved reputation for ruggedness and reliability.



UPENDERS

Bushman manufactures a complete line of upenders to meet a variety of dimensional, capacity, and application requirements. Upenders tip coils, molds, dies, paper rolls, cylinders and other heavy bulky loads up to 90°. There are two types of upenders: mechanical and hydraulic.

MECHANICAL



Mechanical upenders use an electric motor and transmission drive to “rock” a structural cradle through 90°.

HYDRAULIC UPENDERS



Hydraulic upenders use hydraulic cylinders to tip the load. This design is better for tipping long loads where its center-of-gravity is lifted while it is tipped.

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 machined forgings.

BARREL TYPE



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

C-FRAME



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

CLAMP-ARM (FIXED)



A clamp-arm inverter grips the sides of the load while it is rotated. This is used in a machining facility where partially machined parts must be flipped before machining the unfinished side.

CLAMP-ARM (PORTABLE)



A portable clamp-arm inverter grips the sides of small loads while they are rotated. This is well suited for a machining operation where the inverter can serve a bank of machine tools.

TRANSFER CARS

Transfer cars move loads between bays or through a factory. Bushman designs transfer cars to your exact specifications for applications such as handling steel coils, molds and dies, radioactive waste containers, fabricated structures and machine sub-assemblies.

TOWABLE



Towable car with steering linkage to rear wheels. Replaceable wood timbers cover top of car deck

TRACK MOUNTED- ELECTRIC



Track mounted, electric powered coil car. Coil saddles lift off for easy access to drive motor and electric cable reel.

TRACK MOUNTED- BATTERY



Track mounted, electric battery powered car has on-board charger for plug-in recharging.

TRACKLESS, STEERABLE, PROPANE POWERED



This propane engine-powered coil car maneuvers around the plant floor on trackless, steerable wheels.

LIFT TABLES

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



30,000 pound capacity two-high hydraulic scissor lift.



145,000 pound capacity pit-mounted electric jack screw lift,



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

SPECIAL MACHINES



120,000 pound capacity portable electric screw arbor lifts on air bearings



150,000 pound capacity rescue vehicle hydraulic tilt-test platform



Independently adjustable dual-table pump test stand

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