

UPENDER QUOTE REQUEST

Please fax to: 262-790-4202

Your name: _____ Date: _____
 Company: _____ Phone #: _____
 Address: _____ Fax #: _____
 _____ Email address: _____

Upenders

Maximum capacity _____ pounds

Horizontal base rotation, 180° Yes No

Conveyors required? Yes No
 Type of conveyor needed _____

Power supply AC DC
 _____ Voltage
 _____ Frequency
 _____ Phase

Is a slot required in the table?
 For lifting a C-hook? Yes No
 For lifting a coil grab? Yes No

Is a V-block required? Yes No
 Does the V-block need protective coating with urethane? Yes No

How will the object be loaded and unloaded?

Other Requirements

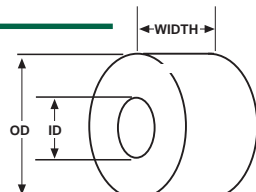
West Bend Equipment products are designed and built to customer specifications. If you would like to receive a written proposal, please contact the factory or your authorized representative.



Coil

Largest coil to be handled

Outside diameter (OD) _____ inches
 Inside diameter (ID) _____ inches
 Width _____ inches
 Pallet height (if used) _____ inches



Loads Other Than Coils

The relationship of the center of gravity (CG) of the load to the center of rotation of the upender is critical. Please provide the following information.

Shape of the load _____

Length _____ inches
 Width _____ inches
 Height _____ inches
 Outside diameter (OD) _____ inches

Location of the center of gravity (CG) _____

Pallet height (if used) _____ inches

WEST BEND



INVERTERS & UPENDERS

Inverters and Upenders

West Bend Equipment custom designs upenders and inverters to meet a variety of dimensional and application requirements. They are built to provide many years of rugged and dependable service. These units can also be furnished with numerous options to suit your specific application.

Upenders are designed to turn or rotate products through 90 degrees. Inverters rotate loads through 180 degrees. This literature gives an overview of some of the features offered by West Bend upenders and inverters.

BARREL INVERTERS

Barrel inverters are often fitted with roller conveyors and are ideally suited to production line or high volume operations. These inverters can be loaded and unloaded from the same point by either a forklift or a conveyor.

Options include:

- Long-reach hydraulic scissors clamping
- Multi-direction clamping
- Programmable logic controllers that automatically sequence loading and unloading
- Selectable pressure settings
- Gravity or powered conveyor platforms
- Other innovative features that increase the efficiency and productivity of your processes



C-FRAME INVERTERS

These inverters are designed with a C-shaped cradle. These machines are usually loaded and unloaded with a forklift or other material handling truck. Proper clamping pressure is determined by a pressure transducer to ensure that the load is secure. With optional base rotation, inverters can be loaded and unloaded from the same side, eliminating extra forklift movements.



LOAD INVERTER QUOTE REQUEST

Please fax to: 262-790-4202

Your name: _____ Date: _____

Company: _____ Phone #: _____

Address: _____ Fax #: _____

_____ Email address: _____

Description of materials to be handled _____

Type of inverter C-frame inverter _____
 Barrel inverter _____
 Pallet inverter _____

Load width Maximum _____ inches Load height Maximum _____ inches
 Minimum _____ inches Minimum _____ inches

Load depth Maximum _____ inches Load weight Maximum _____ pounds
 Minimum _____ inches

Do loads have flat tops and bottoms? Yes No

Desired loading/unloading method Crane Forklift
 Conveyor Other

Desired side to load/unload _____

Platform height above floor Maximum _____ inches
 Minimum _____ inches

Maximum throughput _____ Loads per hour

Desired cycle time _____ Minutes/cycle

Power supply AC _____ DC _____
 Voltage _____ Frequency _____ Phase _____

Specialized environment High temperature _____
 Explosive _____
 Other _____

Are there pallets on The bottom of the load? Yes No The top of the load? Yes No

What is the co-efficient of friction between each material interface? _____

Do you need light curtains? Yes No

Other requirements _____

All dimensions should be in inches and pounds, unless otherwise noted.

MECHANICAL UPENDERS

Upenders are used to rotate coils and other cubic loads through 90 degrees. West Bend Equipment mechanical upenders are custom engineered for your particular application to up-end or down-end any coil or heavy product. Mechanical upenders are built with a cylindrical shaped cradle that is placed on four bogey wheels, and is rotated by means of a gear motor. They usually have two platforms that are square and of equal size on either side of the machine.

Available design features:

- Standard design from 1,000 to 100,000 pounds capacity
- Flat platforms or V-saddles to support coils in a horizontal orientation
- Special platform sizes and shapes available
- Pallet centering
- Gravity or powered conveyors
- Tilt or shift platforms
- 180° base rotation



HYDRAULIC UPENDERS



West Bend hydraulic upenders can handle heavy jobs smoothly and efficiently.

Hydraulic upenders employ one or more double-acting cylinders to rotate the platforms. On a hydraulic upender, one platform may be significantly smaller or larger than the other. This makes these upenders suitable for loads that are larger in one dimension than the other. They can also handle more than one coil. The hydraulic power unit provides an ideal power source for secondary functions such as shifting saddles and pallet centering.

A variety of models with fully integrated, heavy-duty hydraulics and precise positioning is available.

Optional platform sizes can be designed to customize an upender. Other options include tilting capability, various types of conveyor decks, and wheels for rail travel or mobile capability.

West Bend upenders can be modified to work in most systems with totally automatic operation. Each West Bend machine is built for demanding duty cycles and is thoroughly load tested.

West Bend Equipment
A Division of Bushman Equipment, Inc.

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