

# STRONG-BAC®

## THE POSI-TURNER®

**Suspends and rotates objects  
360 degrees or more  
with controlled rotation**



# ROTATES AND POSITIONS YOUR PRODUCT EFFICIENTLY, AND DAMAGE FREE.



The industrial applications for the Posi-Turner® are nearly unlimited. With a powerful roller drum system combined with heavy-duty slings... Posi-Turner® gently rotates virtually any object.

## COMPOSITE MOLDS



The Posi-Turner® will suspend and rotate large, heavy and odd shaped objects—even those weighing more than 100 tons! Hard-to-handle materials are suspended and rotated by heavy-duty slings, gently and conveniently.

## FABRICATION AND



Designed to improve production capabilities for a variety of industries, objects are gently rotated to the desired position. And the rotation can be started or stopped instantly with the push of a button.

## MATERIALS/METAL HAN-



Convenient and efficient for workers, the Posi-Turner® provides better working conditions by positioning the work piece at a distance.

#### MACHINING



Our skilled engineers and craftsmen specialize in creating high quality, cost-effective methods to meet your specific needs. This commitment has made The Caldwell Group the leader in the development of material handling equipment in North America.

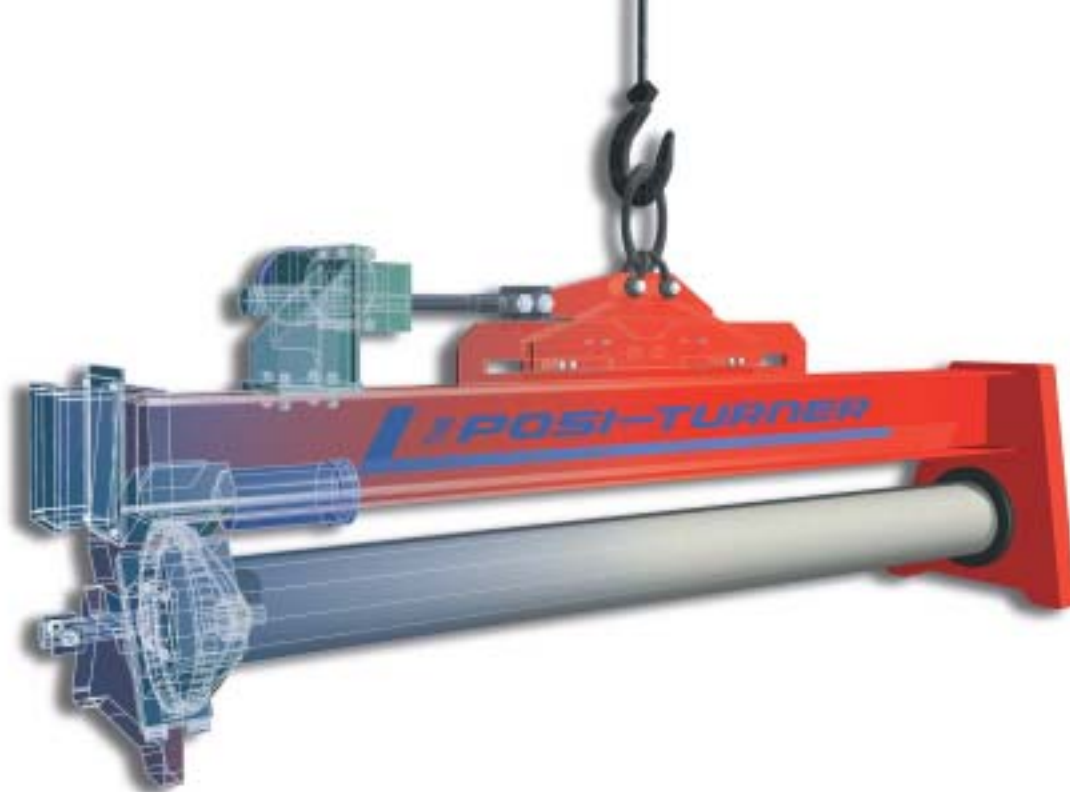
#### DIE AND MOLD MAINTENANCE



The Posi-Turner® is more cost-effective than other methods of handling as it speeds the production process and improves efficiency by keeping the assembly line moving. Plus, it rotates objects damage free, which enhances product quality.

#### ASSEMBLY LINE





**SOLUTIONS ARE DESIGNED TO MEET  
YOUR SPECIFIC REQUIREMENTS.**



Posi-Turner® positions the work piece for your convenience, giving you increased productivity with faster work performance and lower manufacturing expenses.

**MOLDED PRODUCT REMOVAL**



“Fail-Safe” automatic braking system allows you to start or stop rotation in any position to facilitate work or maintenance.

**INSPECTION AND REPAIR**



## LEVELING

An optional feature to the Posi-Turner®, the “Leveler” adjusts the center-of-gravity under the hook to balance the load with a push of a button. These photos display the benefit of leveling uneven loads in mid-air to save time and promote a safer work environment.



## ROTATING

After leveling the load, the Posi-Turner® suspends and rotates objects 360 degrees or more with controlled rotation. This series of photos shows how rotation with the Posi-Turner® is efficient and damage free.

# POSI-TURNER® APPLICATIONS

TYPICAL PRODUCTS ROTATED (by industry)	Assembly Line	Fabrication and Assembly	Machining/Metal Forming	Die and Mold Maintenance	Molded Product Removal	Materials Handling/Storage	Inspection, Cleaning, Painting and Repair
<b>TRANSPORTATION</b> Auto: frames, engines, dies, molds, etc. Truck: chassis, trailers, tanks, etc. Rail: undercarriages, bogeys, cars, wheels, etc. Aircraft - Aerospace: panels, tooling, etc. Shipping: container, trailer, etc.	X X  X	X X X X	X X X X	X X X X	X X X X	X X X X	X X X X
<b>INDUSTRIAL EQUIPMENT</b> machine bases, panels, enclosures, frames, engine blocks, weldments, etc.	X X	X X	X X	X X	X X	X X	X X
<b>HEAVY EQUIPMENT</b> Agricultural, Construction, Mining, Military: chassis, axles, assemblies, buckets, transmissions, frames, booms, etc.	X X	X X	X X	X X	X X	X X	X X
<b>CONCRETE</b> Precast Molds and Products: vaults, pipes, basins, barriers, construction girders, panels, decks, etc.	X X				X X	X X	X X
<b>MARINE</b> decks, hulls, panels, molds, etc.	X	X			X	X	X
<b>PLASTICS AND COMPOSITES</b> injection molds, fiberglass products, etc.			X		X	X	X
<b>METAL FORMING</b> tooling, dies, coils, castings, sheets, etc.	X	X	X		X	X	X
<b>MATERIALS PRODUCTION</b> blocks, slabs, ingots, plates, bundles, stone, steel, aluminum, stainless, ceramic, copper, graphite, refractory, paper, wood, etc.	X X X	X X X	X X X			X X X	X X X
<b>SPECIALTY PRODUCTS</b>	X	X	X		X	X	X

**Posi-Turner® Chain Sling System:** consists of two powered drive units with pocketed sheave drives and special coil-link-chain slings that rotate weldments for assembly, welding positioning and inspection.

**Posi-Drive® System:** consists of four round slings physically attached to the drum and the product to prevent any slippage of the product. This drive provides exact position in special situations

**Posi-Leveler® System:** consists of an adjustable spreader beam that enables an operator to level a work piece while it is suspended in the air. This eliminates rerigging to find the center-of-gravity to ensure safe movement of the product.

# POSI-TURNER® APPLICATION GUIDE

## PRODUCT:

Product to be handled: \_\_\_\_\_

Maximum: Weight \_\_\_\_\_ Length \_\_\_\_\_ Width \_\_\_\_\_ Height \_\_\_\_\_

Minimum: Weight \_\_\_\_\_ Length \_\_\_\_\_ Width \_\_\_\_\_ Height \_\_\_\_\_

Off-centered weight (detailed drawing mandatory) \_\_\_\_\_

Does product have: Sharp edges/corners  Protrusions  Welding application

Is temperature of product at time of handling over 150° F? No  Yes  temperature: \_\_\_\_\_

Type of slings preferred: Polyester  Steel Mesh  Chain

Decision time frame and expected delivery: \_\_\_\_\_

## WORK AREA:

Lifting device available: Crane  Gantry  Forklift  Lifting capacity: \_\_\_\_\_

If two cranes/hooks are available, can they be used for this application? Yes  No

If yes, what is the crane hook spacing: Minimum \_\_\_\_\_ Maximum \_\_\_\_\_

Do you prefer to supply power for Posi-Turner from: Crane  Floor level

Headroom clearance (hook to floor): \_\_\_\_\_

Is product lifted from: Floor  Conveyor  Worktable  Other

Height of conveyor/worktable (Inches): \_\_\_\_\_

Will Product be rotated over conveyor/worktable: Yes  No

Amount of rotation: 90° \_\_\_\_\_ 180° \_\_\_\_\_ 360° \_\_\_\_\_

Work Area Conditions: Outside  Inside  Welding area  Corrosive

Describe any hazardous conditions: \_\_\_\_\_

## POWER REQUIREMENTS:

Electrical: DC  AC  Voltage \_\_\_\_\_ Phase \_\_\_\_\_ Cycle \_\_\_\_\_

Pneumatic: Pressure \_\_\_\_\_ Flow \_\_\_\_\_ Line size \_\_\_\_\_

Hydraulic: Pressure \_\_\_\_\_ Flow \_\_\_\_\_ Line size \_\_\_\_\_

Other: \_\_\_\_\_

Posi-Turner control system preferred: Pendant  Radio  Infrared  Remote P.B.

## OTHER OPTIONS:

Pendant cord reel  Power cord reel

Sling guides  Sling link covers

Castor wheels  Other \_\_\_\_\_

Contact: \_\_\_\_\_

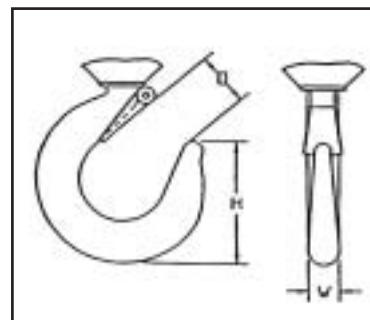
Company: \_\_\_\_\_

Address: \_\_\_\_\_

City, State, Zip: \_\_\_\_\_

Phone: \_\_\_\_\_ Fax: \_\_\_\_\_

## CRANE HOOK DIMENSIONS:



\_\_\_\_\_ (O) Opening  
(including safety latch)

\_\_\_\_\_ (H) Height

\_\_\_\_\_ (W) Width

For a price quote on your specific application, please complete the above application guide and fax this along with a photo, sketch, or drawing of the product being rotated, to **815-229-5686**





# The Caldwell Group



**Designers and Manufacturers of Fine Lifting Products**



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