

# Schlumpf Ergonomic Handling Systems



Shown with 3" Mandrel and Core Stop

**LIFT · TURN · TRANSPORT · LOAD · UNLOAD  
· STACK · STORE · PACKAGE · PALLETIZE**

- **Low Cost**
- **Modular Design**
- **Simple Function**
- **Made In U.S.A.**
- **Safe, Easy and Economical**

Schlumpf's **MRT-330** is a hoist based manual roll turner is engineered to assist operators in efficiently lifting and turning products with weights to 330 lbs (150 kg). The unit features our quick change tooling design that accepts both standard and custom tooling accessories for grabbing a variety of products.

Most often used with standard roll handling mandrels the **MRT-330's** amazing turning function enables operators to turn even heavy loads with minimal effort and no external power source. Supplied with a movable hoist point mechanism the **MRT-330** can quickly be adjusted for varying roll widths to ensure exact horizontal and vertical positioning. Rolls can be turned as quickly as the operator can move making for safe, rapid handling of your valuable product. By removing the need to "Manhandle" heavy loads the **MRT-330** reduces the risk of operator injury and fatigue making your work place safer and saving you money.

Among the many accessories offered are Integral pneumatic roll pushers, anti-telescoping attachments, and auto-leveling systems.

\*See our Mandrel information for gripping options and mandrel sizes.

"Back Injuries - Nations Number One Workplace Safety Problem." The U.S. Department of Labor reports that more than one million workers suffer back injuries in the U.S. each year, costing industry billions of dollars on top of the pain and suffering borne by employees. Schlumpf Ergonomic Handling Systems will minimize or eliminate the risk of operator injury and maximize productivity and profits.

**MRT-330 Manual Roll Turner**

## Standard Features:

User friendly design.  
Fast and easy to use for all operators and skill levels.  
Simple center-of-gravity adjustment.  
Ergonomic design with comfortable handles.  
Two-hand safety lock prevents unintentional rotation.  
Quick-change expanding mandrel holder.  
Change mandrel sizes in seconds without tools.  
Rugged steel construction with powder coated finish.  
Simple, low maintenance design.  
Low ongoing operating costs.  
Modular design.  
Made in U.S.A.

## Specifications:

Maximum load capacity: 330 lbs (150 kg)  
Roll width for minimum turning resistance  
14" (356 mm)  
Maximum roll width 30" (750 mm)  
Maximum roll diameter 44" (1118 mm)  
Center-of-gravity adjustment +/- 6" (152 mm)  
Machine weight: 36 lbs (16.4 kg)  
Shipping weight: 45 lbs (20.4 kg)  
Shipping dimensions: 24" (610 mm) W x  
24"(610 mm) D x 18" (460 mm) H

## Options & Accessories:

Expanding mandrels 3" (76 mm) to 12" (304.8 mm).  
Anti-telescoping attachment with manual clamp.  
Anti-telescoping attachment with pneumatic clamp.  
Extended turner for greater roll widths.  
Integrated hoist controls.  
Mounting brackets for hoist pendants & controls.  
Custom configurations available.

**Minimize Risk. Maximize Profits!**

Distributed By:

Specifications and dimensions subject to changes without notice.  
Consult Schlumpf for current drawings! Published 04-2005.



innovation. performance. quality.



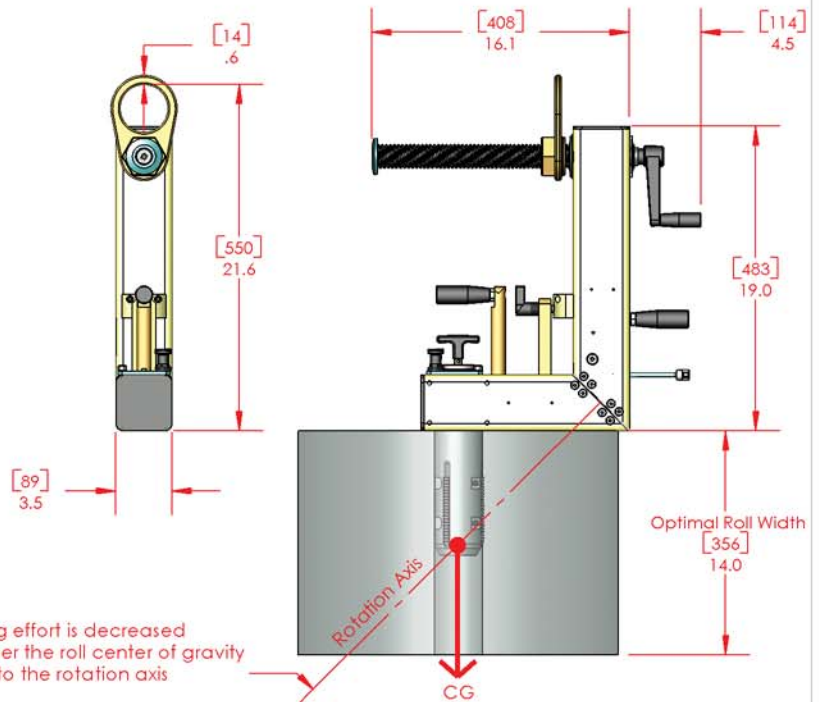
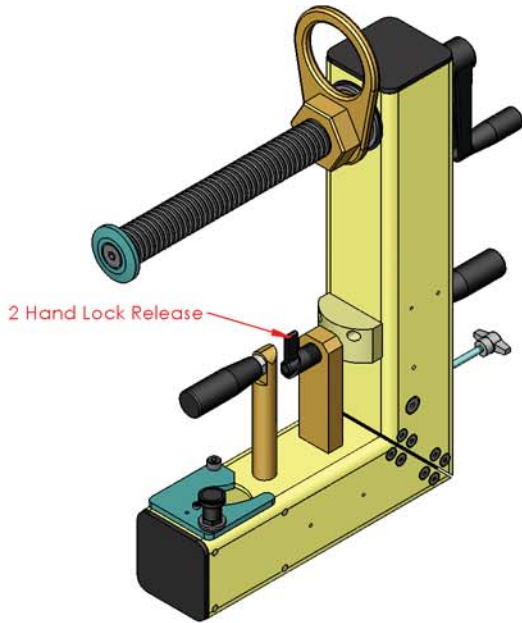
\*Upon Request

-Dimensions subject to change  
 -Custom configurations available

The MRT-330 accepts interchangeable lifting  
 accessories to handle a variety of products.  
 See Mandrel and tooling options page for details

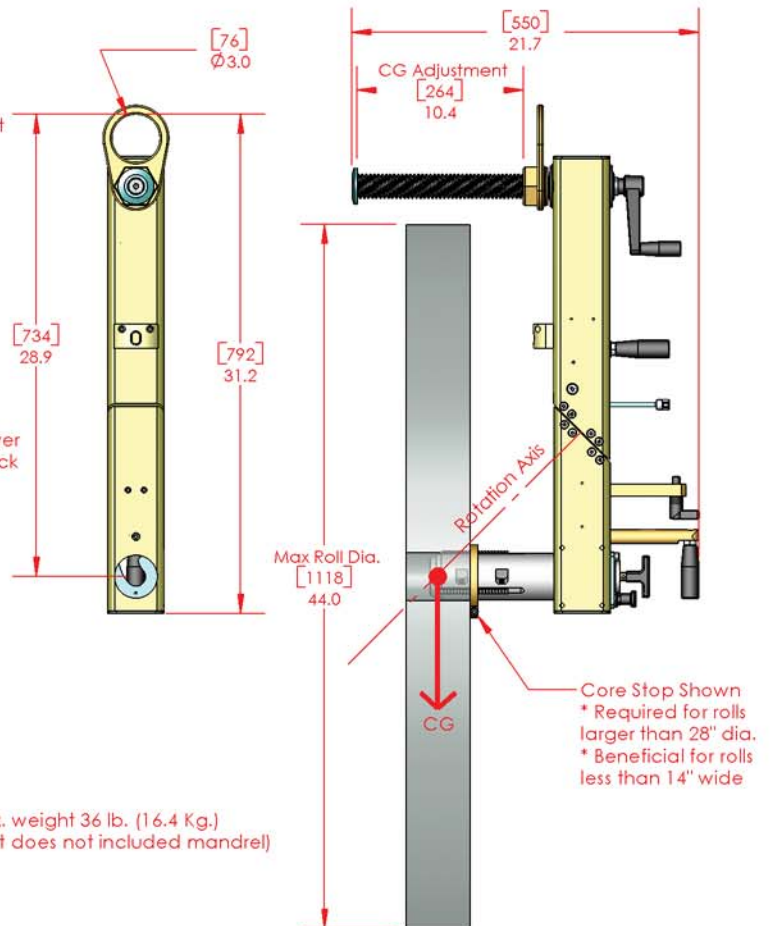
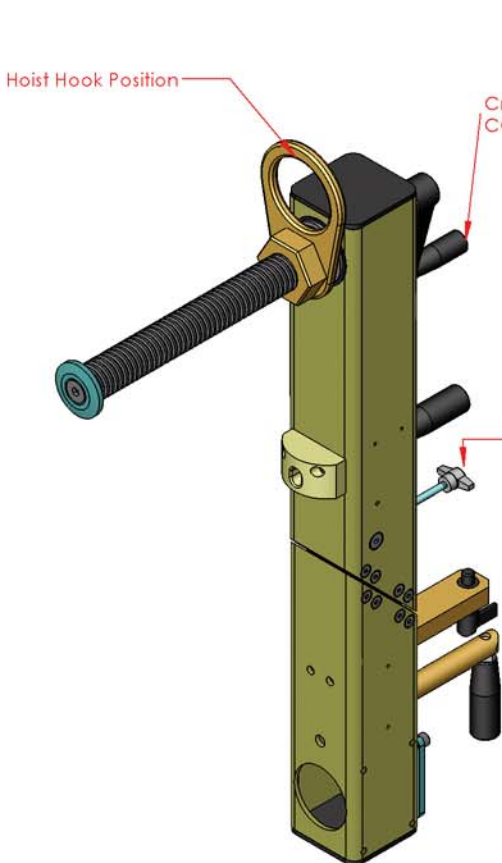
The MRT-330 is a manual roll turner and has a maximum  
 load rating of 330lb (150kg). Specific machine capacity  
 is determined using the roll weight and dimensions for  
 each application and may limit capacity to less than  
 maximum load rating.

Roll Vertical Position



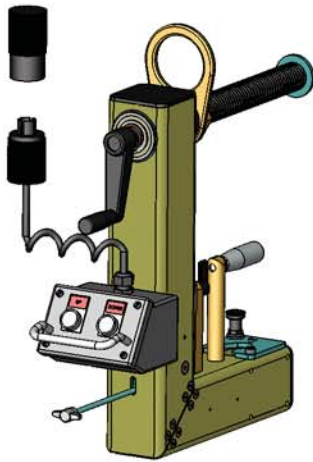
MRT shown with 3" T-Handle Mandrel and Sample Roll

Roll Horizontal Position



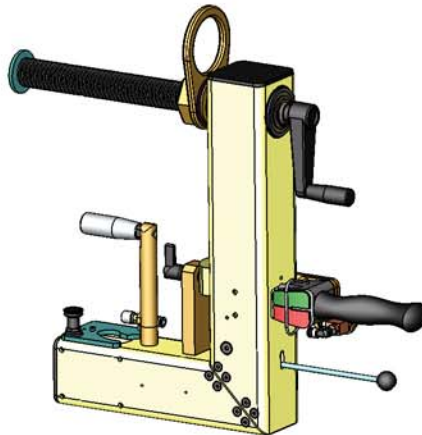
Approx. weight 36 lb. (16.4 Kg.)  
 (Weight does not included mandrel)

**Integrated Hoist Control Examples**



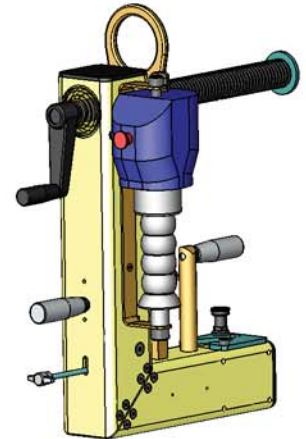
Electric Hoist Controls

- \*Single or 2 speed electric pushbuttons
- \*Quick disconnect control cord



Air Balancer Controls

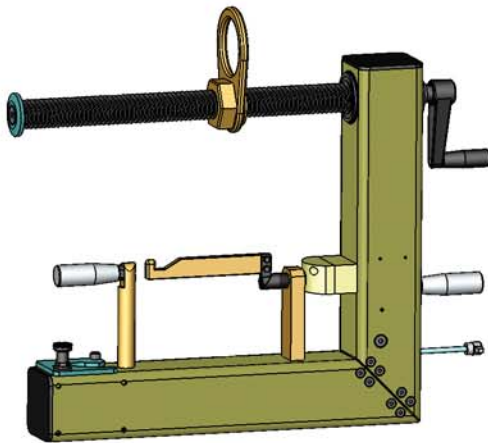
- \*Direct air supply and control integration
- \*Optional pneumatic retract integration



G-Force Remote Mount

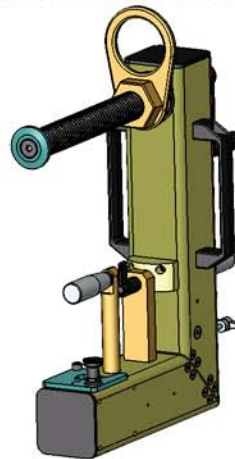
- \*Utilize remote mount feature on G-Force
- \*\*"Float Mode" allows 2 hand operator control

**Special Modification Examples**



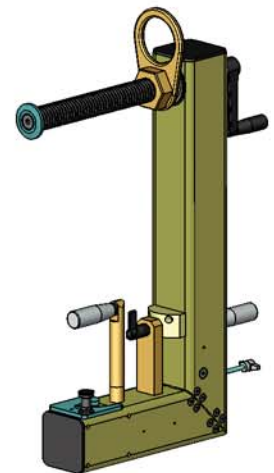
Optimized Roll Width

- \*Custom mandrel arm & screw lengths
- \*Required to handle increased roll widths



Pull Handles

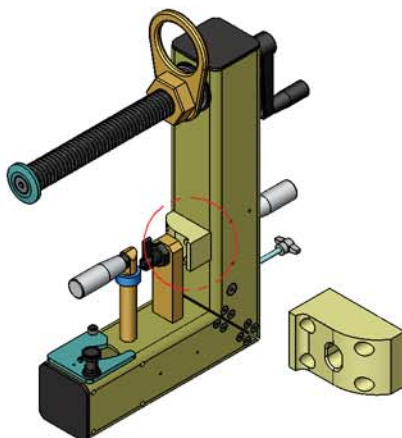
- \*Side pull handles for increased control



Optimized Roll Diameters

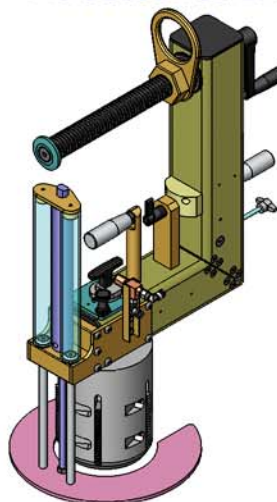
- \*Custom crane arm lengths (shorter or longer)
- \*Required to handle increased roll diameters

**Accessories Examples**



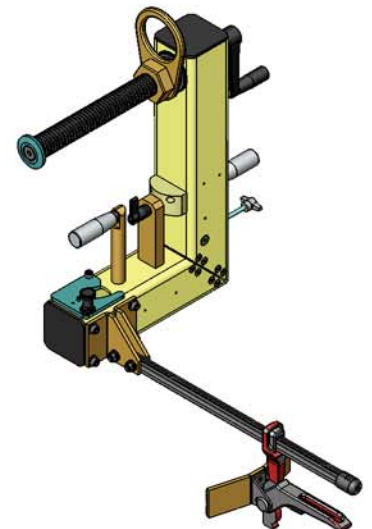
Uni-directional Cup

- \*Allows rotation in only one direction
- \*Drop in replacement, reversible mount



Pneumatic Roll Pusher

- \*Pushes roll off mandrel when grippers are retracted
- \*Best results if mandrel is coupled to horizontal shaft



Anti-telescoping Device

- \*Clamps outside of roll to prevent telescoping

### RWM-330 Specification Chart

