

**PROUD AMERICAN MANUFACTURER**

**ACAT**

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[www.acatmexicana.com](http://www.acatmexicana.com)

# Scotchman™

Metal Fabricating Solutions

*Ironworkers | Cold Saws | Automatic Sawing Systems | Hydraulic Press | Pipe Notchers | Measuring Devices*

# Cold Saws *CPO 350 Series*

Steel & Ferrous metal cutting

COLD SAWS

## CPO 350

### MANUAL SAW

- Manual clamp for material vise
- Operator controlled trigger switch



## CPO 350 PK

### MANUAL SAW W/POWER CLAMP

- Air-operated clamp for material vise
- Operator controlled trigger switch



## CPO 350 PKPD

### SEMI-AUTOMATIC SAW

- Air-operated clamp for material vise
- Pneumatic power down feed with electric controls
- Emergency stop button



### STANDARD FEATURES

- Double self-centering vise assures burr-free cuts
- Miter capabilities 45° left to 45° right
- Miter locking device: quick, accurate setting-stops at 45° left, 90° & 45° right
- Capable of slotting
- Two cutting speeds
- Double reduction, hardened bronze gears
- Chip drawer
- Seven-gallon flood coolant tank with pump
- One HSS blade
- One gallon coolant
- Complies with ANSI B 11.10 safety standards
- Three-year warranty on parts
- Made in USA

### MAXIMUM CAPACITIES

(with a 350 mm blade)

tubing	90 Degree	45 Degree
Round	4-1/2" (114 mm)	4" (102 mm)
Square	4-1/4" x 4-1/4" (108 x 108 mm)	3-3/4" x 3-3/4" (95 x 95 mm)
Rectangle	5-1/2" x 4" (140 x 102 mm)	3-3/4" x 3-3/4" (95 x 95 mm)
Solid	90 Degree	45 Degree
Round	1-3/4" (44 mm)	1-1/2" (38 mm)
Square	1-3/4" x 1-3/4" (44 x 44 mm)	1-1/2" x 1-1/2" (38 x 38 mm)

### SPECIFICATIONS

<b>Motor Options (must specify)</b>	<b>LT &amp; HT</b> - 208/230/460/575v, 3ph; 220v, 1ph <b>VS</b> - 230/460v, 3ph; 220v, 1ph <b>SS</b> - 220v, 1ph
<b>Air Pressure</b>	90 psi (PK and PKPD. N/A on CPO 350)
<b>Maximum Diameter Blade</b>	350 mm
<b>Arbor Bore</b>	40 mm
<b>Pin Spacing</b>	4/12/64
<b>Width</b>	21-7/8" (55.5 cm)
<b>Depth</b>	43-1/2" (110.5 cm)
<b>Height (not incl. feed handle)</b>	56-1/4" (143 cm)
<b>Height (floor to vise)</b>	37-7/16" (95 cm)
<b>Shipping Weight (may vary)</b>	CPO 350 660 lbs. (299 kg) CPO 350 PK: 690 lbs. (313 kg) CPO 350 PKPD: 760 lbs. (345 kg)

### CUTTING SPEEDS (must specify)

<b>LT (Low Turn)</b> designed for solid mild & stainless steel, & thick wall pipe.	LT 22/44 rpm, 3hp (2.24 kW)
<b>HT (High Turn)</b> designed for thin wall tube 0.060 wall thickness or thinner and non-ferrous material	HT 44/88 rpm , 3hp (2.24 kW)
<b>VS (Variable Speed)</b>	VS 11 to 177 rpm, 5hp (3.73 kW)
<b>SS (Single Speed)</b>	SS 44 rpm, 3hp (2.24 kW)



# Cold Saws *CPO 275 Series*

Steel & Ferrous metal cutting

## CPO 275

### MANUAL SAW

- Manual clamp for material vise
- Operator controlled trigger switch



## CPO 275 PK

### MANUAL SAW W/ POWER CLAMP

- Air-operated clamp for material vise
- Operator controlled trigger switch



## CPO 275 PKPD

### SEMI-AUTOMATIC SAW

- Air-operated clamp for material vise
- Pneumatic power down feed with electric controls
- Emergency stop button



### STANDARD FEATURES

- Double self-centering vise assures burr-free cuts
- Miter locking device stops 45° left, 90° and 45° right (Not available on PK or PKPD models)
- Capable of slotting
- Two cutting speeds
- Double reduction, hardened bronze gears
- Chip drawer
- Seven-gallon flood coolant tank with pump
- One HSS blade
- One gallon coolant
- Complies with ANSI B 11.10 safety standards
- Three-year warranty on parts
- Made in USA

### MAXIMUM CAPACITIES

(with a 275 mm blade)

Tubing	90 Degree	45 Degree
Round	3-3/8" (86 mm)	2" (51 mm)
Square	3" x 3" (76 x 76 mm)	2" x 2" (51 x 51 mm)
Rectangle	3" x 2-3/8" (76 x 60 mm)	2" x 2" (51 x 51 mm)
Solid	90 Degree	45 Degree
Round	1-1/2" (38 mm)	1" (25 mm)
Square	1-1/2" x 1-1/2" (38 x 38 mm)	1" x 1" (25 x 25 mm)

### SPECIFICATIONS

Motor Options (must specify)	LT & HT: 208/230/460/575v, 3ph SS: 220v, 1ph
Air Pressure	90 psi (PK and PKPD Only, n/a on CPO 275)
Maximum Diameter Blade	275 mm
Arbor Bore	32 mm
Pin Spacing	2/8/45
Width	21-7/8" (55.5 cm)
Depth	43-1/2" (110.5 cm)
Height (not incl. feed handle)	53-1/4" (135 cm)
Height (floor to vise)	36-1/8" (92 cm)
Shipping Weight (may vary)	CPO 275: 550 lbs. (249 kg) CPO 275 PK: 580 lbs. (263 kg) CPO 275 PKPD: 670 lbs. (304 kg)

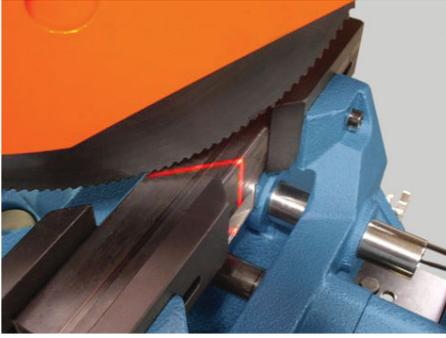
### CUTTING SPEEDS

(must specify)

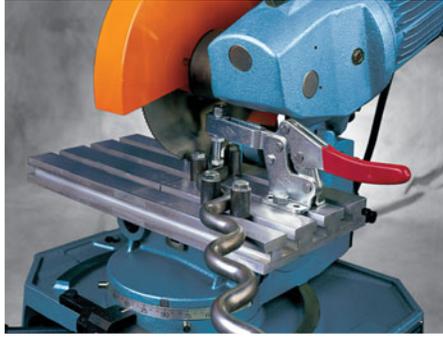
LT (Low Turn) designed for solid mild & stainless steel, & thick wall pipe.	LT 30/60 rpm, 2hp (1.49 kW)
HT (High Turn) designed for thin wall tube 0.060 wall thickness or thinner and non-ferrous material	HT 60/120 rpm, 1.5hp (1.12 kW)
SS (Single Speed)	SS 60 rpm, 2hp (1.49 kW)



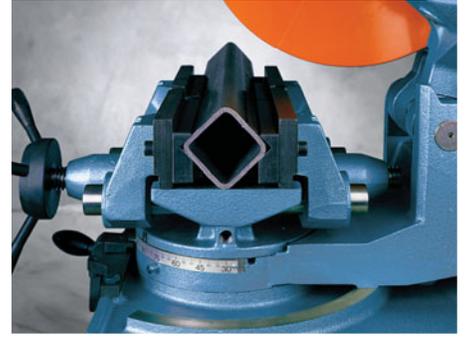
# Cold Saw Options



**Blade Guide Laser Light**  
(Not Available on 275 series)



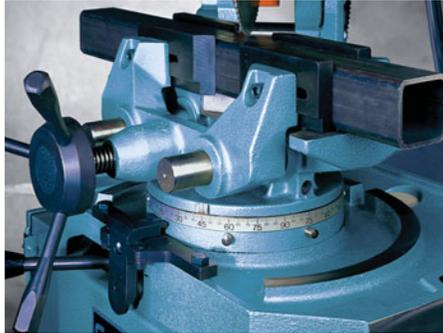
**Universal Clamping Fixture**



**Square Tube/Diagonal Vise Jaws**  
(Not Available on NF series)



**Variable Speed Control**  
(Not Available on NF or 275 series)  
Recommended for cutting multiple shapes, sizes, and thicknesses. RPM can be fine-tuned to achieve optimum blade speed for each application and extend blade life.

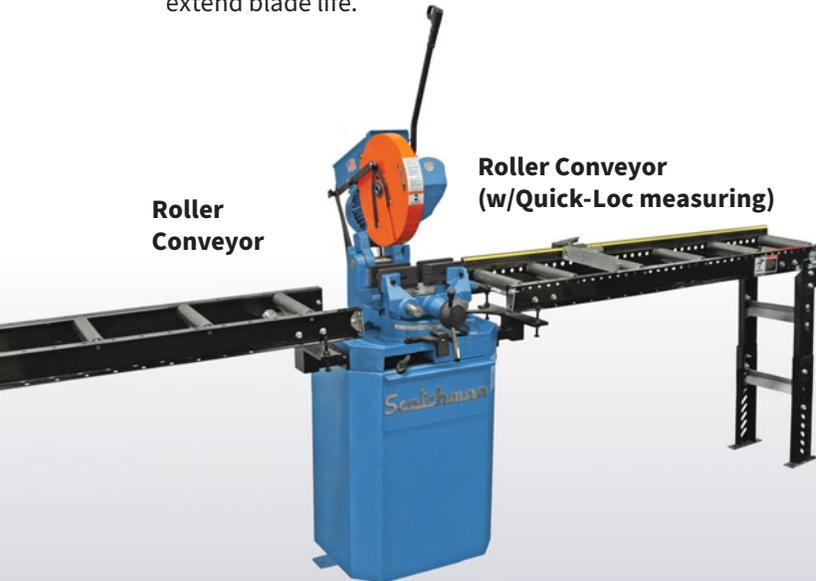


**Miter Locking Device**  
**Standard Feature**  
(not available for 275 PK or 275 PKPD models)



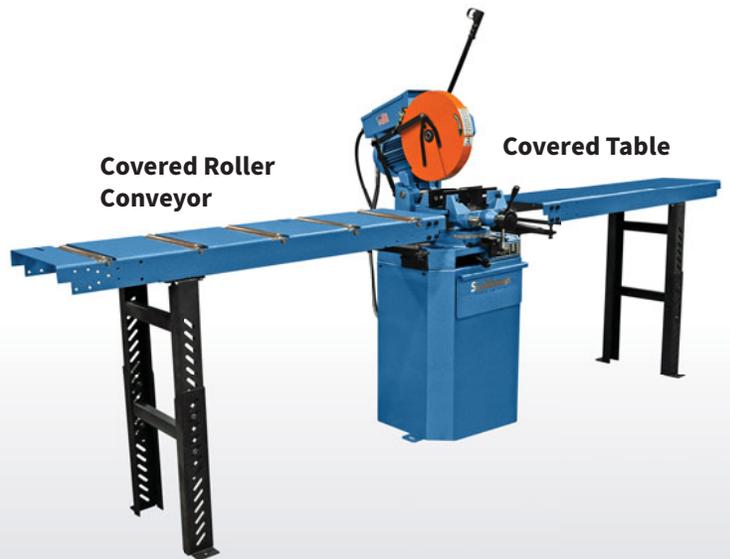
**Saw Blades**  
(See page 41)

COLD SAWS



**Roller Conveyor**

**Roller Conveyor (w/Quick-Loc measuring)**



**Covered Roller Conveyor**

**Covered Table**

## Automate your saw

Measuring devices available from manual to fully automatic.  
(See pages 43-46)



MACHINES  
THAT WORK  
AS HARD  
AS YOU DO.

**Scotchman**<sup>TM</sup>

Metal Fabricating Solutions

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