

Scotchman[®]

Metal Fabricating Solutions



**American Manufacturer of Hydraulic Ironworkers,
Pivot Circular Cold Saws and Measuring Systems.
Importer of Excellent Quality Tube and Pipe Notchers, Upcut Saw
and Utility Band Saw manufactured in Western Europe.**



**CPO 350
COLD SAW**



**AL100U-02
TUBE & PIPE
GRINDER/NOTCHER
MFG IN NL**



**SU-280
UTILITY BAND SAW
MFG IN ES**



QUALITY

DEPENDABILITY

VERSATILITY

PRECISION

POWER

The Solution *PREFERRED* by Metal Fabricators

Porta Fab 45

STANDARD FEATURES

- 45-ton punch station (1-1/8" in 1/2")
- Keyed punch ram for safety
- 4-1/4" throat depth
- 2" die holder
- Punch nut with wrench and stripper
- One round punch & die: max. diameter 1"
- Adjustable electric stroke control with scale
- Three-in-one combination tool
 - Angle shear capacity: 3" x 3" x 5/16" at 90° and 2" x 2" x 1/4" at 45°
 - Bar shear capacity: 3/8" x 6"
 - Rod shear capacity: 3/4" round
- Tool table work area
- Machine stand with punch & die & tooling storage rack
- 110 volt / 1-ph electric
- All guards necessary to comply with ANSI B 11-5 standards
- Three-year warranty on parts
- Made in the USA

SINGLE OPERATOR
4 STATIONS



CAPACITIES AND SPECIFICATIONS

RATED ON: A36 MILD STEEL / 65,000 PSI TENSILE

Punching Capacity	45 ton (41 mt) 1-1/8" in 1/2" (28 mm in 12 mm)	Strut Shear	Samples Required
Special Tooling	2-1/4" Max. Dia. (57 mm Max. Dia.)	Square Tube Shear	1/2" to 1", 12 gauge (12 to 25 mm, 2.75 mm)
Throat Depth	4-1/4" (108 mm)	Picket Tool	1/2", 3/4" & 1" (12 mm, 19 mm, 25 mm) 16 gauge (1.6 mm)
Flat Bar Shear	6" Length (150 mm) 1/2" x 4" (12 x 100 mm) 3/8" x 6" (10 x 150 mm)	Strokes per minute in light material	20 spm (1/4" stroke) [Punch Station]
Angle Shear 90°	3" x 3" x 5/16" (75 x 75 x 8 mm)	Strokes per minute in heavy material	6 spm (3/4" stroke) [Punch Station]
Angle Shear 45°	2" x 2" x 1/4" (50 x 50 x 6 mm)	Hydraulics	2,500 psi (172 bar)
Round Rod Shear	3/4" (20 mm)	Motor Standard	2 hp 1 ph (1.49 kW) 110 v
Brake 8"	25 ton (23 mt)	Motor Optional	2 hp 1 ph (1.49 kW) 220 v
Brake 12"	20 ton (18 mt)	Dimensions	W-17.63" (45 cm) L-35.75" (91 cm) H-38.75" (98 cm)
Open End Brake	Max. 1/4" x 3" (6 x 76 mm) Flat or Angle Iron	Shipping Weight	724 lbs. (328 kg)
Pipe Notcher Schedule 40	3/4", 1", (20 mm, 25 mm) 1-1/4" (32 mm) 1-1/2", 2" (38 mm, 50 mm)		
Rectangle Notcher	2" x 1-3/4" x 1/4" (50 x 45 x 6 mm)		
90° V-Notcher	6" x 6" x 1/8" (150 x 150 x 3 mm)		
Rod Shear Round Rod (Max.)	1/4" to 1" (6 mm to 25 mm) 5 Cavity: 7/16" (11 mm), 9/16" (14 mm), 5/8" (16 mm), 3/4" (19 mm), 1" (25 mm)		
Square Rod (Max.)	1/4" to 3/4" (6 mm to 18 mm) 1 Cavity: 3/4" (18 mm)		

50514-CM

STANDARD FEATURES

- 50-ton punch station (1-1/4" in 1/2")
- Keyed punch ram for safety
- 6" throat depth
- 2" die holder
- Punch nut with wrench & stripper
- One round punch & die: max. diameter 1"
- Adjustable stroke control
- Angle shear capacity: 4" x 4" x 3/8" at 90° and 2" x 2" x 3/8" at 45°
- 14" flat bar shear with 4-way reversible blade
- Rectangular Notcher: 2-1/2" x 2-3/4" x 3/8"
- Tool table work area
- Electrical box supplied with emergency palm button and lock-out tag-out accommodations
- 230/460 Volt / 3-ph electrics (must specify voltage)
- All guards necessary to comply with ANSI B 11-5 standards
- Forklift accommodations
- Three-year warranty on parts
- Made in the USA

SINGLE OPERATOR

5 STATIONS



CAPACITIES AND SPECIFICATIONS

RATED ON: A36 MILD STEEL / 65,000 PSI TENSILE

Punching Capacity	50 ton (45 mt) 1-1/4" in 1/2" (32 mm in 12 mm) 13/16" in 3/4" (21 mm in 18 mm)
Special Tooling	2-1/4" Max. Dia. (57 mm Max. Dia.)
Throat Depth	6" (150 mm)
Flat Bar Shear	14" Length (350 mm) 3/4" x 4" (18 x 100 mm) 1/2" x 8" (12 x 200 mm) 3/8" x 10" (10 x 250 mm) 1/4" x 14" (6 x 350 mm)
Opt. Sabre Blade	1/2" x 10" (12 x 250 mm) 3/8" x 12" (10 x 300 mm)
Angle Shear 90°	4" x 4" x 3/8" (100 x 100 x 10 mm)
Angle Shear 45°	2" x 2" x 3/8" (50 x 50 x 10 mm)
Brake 8"	30 ton (27 mt)
Brake 12"	25 ton (23 mt)
Open End Brake	Max. 1/4" x 3" (6 x 76 mm) Flat or Angle Iron
Pipe Notcher	3/4", 1" (19 mm, 25 mm)
Schedule 40	1-1/4" (32 mm) 1-1/2", 2" (38 mm, 50 mm)
Rectangle Notcher	2-1/2" x 3" x 5/16" (62 x 75 x 8 mm) 2-1/2" x 2-3/4" x 3/8" (62 x 69 x 10 mm)
90° V-Notcher	6" x 6" x 1/8" (150 x 150 x 3 mm) 3" x 3" x 1/4" (75 x 75 x 6 mm)

Strut Shear	Samples Required
Rod Shear	
Round Rod (Max.)	1/4" to 1" (6 mm to 25 mm) 5 Cavity: 7/16" (11 mm), 9/16" (14 mm), 5/8" (16 mm), 3/4" (19 mm), 1" (25 mm)
Square Rod (Max.)	1/4" to 3/4" (6 mm to 18 mm) 1 Cavity: 3/4" (18 mm)
Square Tube Shear	1/2" to 1", 12 gauge (12 x 25, 2.75 mm)
Picket Tool	1/2", 3/4" & 1" (12 mm, 19 mm, 25 mm) 16 gauge (1.6 mm)
Strokes per minute in light material	40 spm (1/4" stroke) [Punch Station]
Strokes per minute in heavy material	17 spm (3/4" stroke) [Punch Station]
Hydraulics	2,100 psi (145 bar)
Motor Standard	3 hp 3 ph (2.24 kW) 230/460 208/380/575
Motor Optional	5 hp 1 ph (3.73 kW) 220 v
Dimensions	W-29" (74 cm) L-47" (119 cm) H-59" (150 cm)
Shipping Weight	1,389 lbs. (630 kg)



5014-TM

**SINGLE
OPERATOR**

7

STATIONS

**3 YR.
WARRANTY**



STANDARD FEATURES

- 50-ton punch station with 3-station revolving turret (1-1/4" in 1/2")
- Keyed punch ram for safety
- 4" throat depth
- Three 2" die holders, three punch nuts with wrench and three strippers
- One round punch & die: max. diameter 1"
- Adjustable stroke control
- Angle shear: 4" x 4" x 3/8" at 90° and 2" x 2" x 3/8" at 45°
- 14" flat bar shear with 4-way reversible blade
- Rectangle notcher, 2-1/2" x 2-3/4" x 3/8"
- Tool table work area
- Electrical box supplied with emergency palm button and lock-out tag-out accommodations
- 230/460 volt / 3-ph electric (must specify voltage)
- All guards necessary to comply with ANSI B 11-5 standards
- Forklift accommodations
- Three-year warranty on parts
- Made in the USA

CAPACITIES AND SPECIFICATIONS

RATED ON: A36 MILD STEEL / 65,000 PSI TENSILE

Punching Capacity	50 ton (45 mt) 1-1/4" in 1/2" (32 mm in 12 mm) 13/16" in 3/4" (21 mm in 18 mm)	Strut Shear	Samples Required
Special Tooling	2-1/4" Max. Dia. (57 mm Max. Dia.)	Rod Shear	
Throat Depth	4" (100 mm)	Round Rod (Max.)	1/4" to 1" (6 mm to 25 mm) 5 Cavity: 7/16" (11 mm), 9/16" (14 mm), 5/8" (16 mm), 3/4" (19 mm), 1" (25 mm)
Flat Bar Shear	14" Length (350 mm) 3/4" x 4" (18 x 100 mm) 1/2" x 8" (12 x 200 mm) 3/8" x 10" (10 x 250 mm) 1/4" x 14" (6 x 350 mm)	Square Rod (Max.)	1/4" to 3/4" (6 mm to 18 mm) 1 Cavity: 3/4" (18 mm)
Opt. Sabre Blade	1/2" x 10" (12 x 250 mm) 3/8" x 12" (10 x 300 mm)	Square Tube Shear	1/2" to 1", 12 gauge (12 mm to 25 mm, 2.75 mm)
Angle Shear 90°	4" x 4" x 3/8" (100 x 100 x 10 mm)	Picket Tool	1/2", 3/4" & 1" (12 mm, 19 mm, 25 mm) 16 gauge (1.6 mm)
Angle Shear 45°	2" x 2" x 3/8" (50 x 50 x 10 mm)	Strokes per minute in light material	40 spm (1/4" stroke) [Punch Station]
Brake 8"	25 ton (23 mt)	Strokes per minute in heavy material	17 spm (3/4" stroke) [Punch Station]
Brake 12"	25 ton (23 mt)	Hydraulics	2,100 psi (145 bar)
Open End Brake	Max. 1/4" x 3" (6 x 76 mm) Flat or Angle Iron	Motor Standard	3 hp 3 ph (2.24 kW) 230/460 208/380/575
Pipe Notcher	3/4", 1" (19 mm, 25 mm)	Motor Optional	5 hp 1 ph (3.73 kW) 220 v
Schedule 40	1-1/4" (32 mm) 1-1/2", 2" (38 mm, 50 mm)	Dimensions	W-29" (74 cm) L-48" (122 cm) H-67" (170 cm)
Rectangle Notcher	2-1/2" x 3" x 5/16" (62 x 75 x 8 mm) 2-1/2" x 2-3/4" x 3/8" (62 x 69 x 10 mm)	Shipping Weight	1,634 lbs. (741 kg)
90° V-Notcher	6" x 6" x 1/8" (150 x 150 x 3 mm) 3" x 3" x 1/4" (75 x 75 x 6 mm)		



6509-24M

SINGLE OPERATOR
3 STATIONS



STANDARD FEATURES

- 65-ton punch station (1-1/16" in 3/4")
- Keyed punch ram for safety
- 9" throat depth
- Punch gauging table w/fence and scale
- Die holder complete with 2" die insert
- Punch nut with wrench and stripper
- One round punch & die: max. diameter 1-1/4"
- Punch jog control
- Adjustable electric stroke control with scale
- Electric remote foot pedal
- 24" flat bar shear with 4-way reversible blade
- Shear table with miter fence
- Angle shear capacity at 90°:
6" x 6" x 3/8" and 5" x 5" x 1/2"
- Tool table work area
- Two-stage hydraulic pump
- Electrical box supplied with emergency palm button and lock-out tag-out accommodations
- 230/460 volt / 3-ph electrics (must specify voltage)
- All guards necessary to comply with ANSI B 11-5 standards
- Forklift accommodations
- Three-year warranty on parts
- Made in the USA

CAPACITIES AND SPECIFICATIONS

RATED ON: A36 MILD STEEL / 65,000 PSI TENSILE

Punching Capacity	65 ton (58 mt) 1-1/16" in 3/4" (27 mm in 18 mm)	Channel Shear	2" to 5" adj. (50 mm to 125 mm adj.)
Special Tooling	4" Max. Dia. (100 mm Max. Dia.)	Strut Shear	Samples Required
Throat Depth	9" (225 mm)	Rod Shear	
Flat Bar Shear	24" Length (600 mm) 1" x 6" (25 x 150 mm) 3/4" x 10" (18 x 250 mm) 1/2" x 12" (12 x 300 mm) 3/8" x 16" (10 x 400 mm) 1/4" x 24" (6 x 600 mm)	Round Rod (Max.)	1/4" to 1-1/4", 9 Cavity (6 mm to 32 mm)
Opt. Sabre Blade	1" x 6" (25 x 150 mm) 1/2" x 16" (12 x 400 mm)	Square Rod (Max.)	1/4" to 1", 1 Cavity (6 mm to 25 mm)
Angle Shear 90°	6" x 6" x 3/8" (150 x 150 x 10 mm) 5" x 5" x 1/2" (125 x 125 x 12 mm)	Square Tube Shear	1/2" to 2", 12 gauge (12 mm to 50 mm, 2.75 mm)
Angle Shear 45° (with Bar Shear)	3" x 3" x 3/8" (75 x 75 x 10 mm) 4" x 4" x 1/2" (100 x 100 x 12 mm)	Picket Tool	1/2", 3/4" & 1" (12 mm, 19 mm, 25 mm) 16 gauge (1.6 mm)
Brake 12"	40 ton (36 mt)	Offset Die Holder	Max. 40 ton (36 mt)
Brake 24"	30 ton (27 mt)	Strokes per minute in light material	67 spm (1/4" stroke) [Punch Station]
Open End Brake	Max. 1/4" x 5" (6 x 125 mm) Flat or Angle Iron	Strokes per minute in heavy material	22 spm (3/4" stroke) [Punch Station]
Pipe Notcher Schedule 40	3/4", 1" (19 mm, 25 mm) 1-1/4" (32 mm) 1-1/2", 2" (38 mm, 50 mm)	Hydraulics	2,600 psi (183 bar)
Rectangle Notcher	2" x 2-1/2" x 3/8" (50 x 65 x 10 mm)	Motor Standard	5 hp 3 ph (3.73 kW) 230/460 208/380/575
90° V. Notcher	6" x 6" x 5/16" (150 x 150 x 8 mm)	Motor Optional	5 hp 1 ph (3.73 kW) 230 v
		Dimensions	W-24" (57 cm) L-60" (152 cm) H-66" (168 cm)
		Shipping Weight	2,984 lbs. (1,353 kg)

9012-24M

STANDARD FEATURES

- 90-ton punch station (1-1/8" in 1")
- Keyed punch ram for safety
- 12" throat depth
- Punch gauging table with fence and scale
- Die holder complete with 2" die insert
- Punch nut with wrench & stripper
- One round punch & die: max. diameter 1-1/4"
- Punch jog control
- Adjustable electric stroke control with scale
- Electric remote foot pedal
- Angle shear capacity: 6" x 6" x 1/2" at 90°
- 24" flat bar shear with 4-way reversible blade
- Shear table with miter fence
- Tool table work area
- Two-stage hydraulic pump
- Electrical box supplied with emergency palm button and lock-out tag-out accommodations
- 230/460 volt / 3-ph electric (must specify voltage)
- All guards necessary to comply with ANSI B 11-5 standards
- Forklift accommodations
- Three-year warranty on parts
- Made in the USA

SINGLE OPERATOR
3 STATIONS



CAPACITIES AND SPECIFICATIONS

RATED ON: A36 MILD STEEL / 65,000 PSI TENSILE

Punching Capacity	90 ton (80 mt) 1-1/8" in 1" (27 mm in 25 mm)	Channel Shear	2" to 6" adj. (50 mm to 150 mm adj.)
Special Tooling	4" Max. Dia. (100 mm Max. Dia.)	Strut Shear	Samples Required
Throat Depth	12" (300 mm)	Rod Shear	
Flat Bar Shear	24" Length (600 mm) 1" x 8" (25 mm x 200 mm) 3/4" x 12" (18 x 300 mm) 1/2" x 16" (12 x 400 mm) 1/4" x 24" (6 x 600 mm)	Round Rod (Max.)	1/4" to 1-1/4", 9 Cavity (6 mm to 32 mm)
Opt. Sabre Blade	1/2" x 22" (12 x 550 mm) 3/8" x 24" (10 x 600 mm)	Square Rod (Max.)	1/4" to 1", 1 Cavity (6 mm to 25 mm)
Angle Shear 90°	6" x 6" x 1/2" (150 x 150 x 12 mm)	Square Tube Shear	1/2" to 2", 12 gauge (12 mm to 50 mm, 2.75 mm)
Angle Shear 45° (with Bar Shear)	3" x 3" x 3/8" (75 x 75 x 10 mm) 4" x 4" x 1/2" (100 x 100 x 12 mm)	Picket Tool	1/2", 3/4" & 1" (12 mm, 19 mm, 25 mm) 16 gauge (1.6 mm)
Brake 12"	50 ton (45 mt)	Offset Die Holder	Max. 40 ton (36 mt)
Brake 24"	40 ton (36 mt)	Strokes per minute in light material	56 spm (1/4" stroke) [Punch Station]
Open End Brake	Max. 1/4" x 5" (6 x 125 mm) Flat or Angle Iron	Strokes per minute in heavy material	19 spm (3/4" stroke) [Punch Station]
Pipe Notcher Schedule 40	3/4", 1" (20 mm, 25 mm) 1-1/4" (32 mm) 1-1/2", 2" (38 mm, 50 mm)	Hydraulics	2,600 psi (183 bar)
Rectangle Notcher	2" x 2-1/2" x 3/8" (50 x 65 x 10 mm)	Motor Standard	5 hp 3 ph (3.73 kW) 230/240 208/380/575
90° V-Notcher	6" x 6" x 5/16" (150 x 150 x 8 mm)	Motor Optional	5 hp 1 ph (3.73 kW) 230 v
		Dimensions	W-26" (66 cm) L-76" (193 cm) H-70" (177 cm)
		Shipping Weight	4,204 lbs. (1,906 kg)

12012-24M



STANDARD FEATURES

- 120-ton punch station (1-1/2" in 1")
- Keyed punch ram for safety
- 12" throat depth
- Punch gauging table with fence and scale
- Die holder complete with 2" and 2-1/2" die inserts
- #40 and #45 punch nuts with wrench & stripper
- One round punch & die: max. diameter 1-1/4"
- Punch jog control
- Adjustable electric stroke control with scale
- Electric remote foot pedal
- Angle shear capacity 6" x 6" x 1/2" at 90°
- 24" flat bar shear with 4-way reversible blade
- Shear table with miter fence
- Tool table work area
- Two-stage hydraulic pump
- Electrical box supplied with emergency palm button and lock-out tag-out accommodations
- 230/460 volt /3-ph electrics (must specify voltage)
- All guards necessary to comply with ANSI B-11.5 standards
- Forklift accommodations
- Three year warranty on parts
- Made in the USA

CAPACITIES AND SPECIFICATIONS

RATED ON: A36 MILD STEEL / 65,000 PSI TENSILE

Punching Capacity	120 ton (108 mt) 1-1/2" in 1" (38 mm in 25 mm)	Strut Shear	Samples Required
Special Tooling	4" Max. Dia. (100 mm Max. Dia.)	Rod Shear	
Throat Depth	12" (300 mm)	Round Rod (Max.)	1/4" to 1-1/4", 9 Cavity (6 mm to 32 mm)
Flat Bar Shear	24" Length (600 mm) 1" x 12" (25 x 300 mm) 3/4" x 20" (18 x 500 mm) 1/2" x 24" (12 x 600 mm)	Square Rod (Max.)	1/4" to 1", 1 Cavity (6 mm to 25 mm)
Angle Shear 90°	6" x 6" x 1/2" (150 x 150 x 12 mm)	Square Tube Shear	1/2" to 2", 12 gauge (12 mm to 50 mm, 2.75 mm)
Angle Shear 45°	3" x 3" x 3/8" (75 x 75 x 10 mm)	Picket Tool	1/2", 3/4" & 1" (13 mm, 19 mm, 25 mm) 16 gauge (1.6 mm)
(with Bar Shear)	4" x 4" x 1/2" (100 x 100 x 12 mm)	Offset Die Holder	Max. 40 ton (36 mt)
Brake 12"	83 ton (75 mt)	Strokes per minute in light material	40 spm (1/4" stroke) [Punch Station]
Brake 24"	65 ton (59 mt)	Strokes per minute in heavy material	13 spm (3/4" stroke) [Punch Station]
Open End Brake	Max. 1/4" x 5" (6 x 125 mm) Flat or Angle Iron	Hydraulics	2,600 psi (183 bar)
Pipe Notcher Schedule 40	3/4", 1" (19 mm, 25 mm) 1-1/4" (32 mm) 1-1/2", 2" (38 mm, 50 mm)	Motor Standard	5 hp 3 ph (3.73 kW) 230/460 208/380/575
Rectangle Notcher	2" x 2-1/2" x 3/8" (50 x 65 x 10 mm)	Motor Optional	5 hp 1 ph (3.73 kW) 230 v
90° V-Notcher	6" x 6" x 5/16" (150 x 150 x 8 mm)	Dimensions	W-28" (71 cm) L-77" (196 cm) H-73" (185 cm)
Channel Shear	2" to 6" adj. (50 mm to 150 mm adj.)	Shipping Weight	5,204 lbs. (2,360 kg)

DO 70/110-24M

STANDARD FEATURES

- Dual operator allows for two operators to work at the same time at full capacity
- 70-ton punch station (1-1/8" in 3/4")
- Keyed punch ram for safety
- 9" throat depth
- Punch gauging table with fence and scale
- Die holder complete with 2" die insert
- Punch nut with wrench
- Adjustable swing-away stripper
- One round punch & die: max. diameter 1-1/4"
- Punch jog control
- Two adjustable electric stroke controls with scale
- Two electric remote foot pedals
- Two 2-stage hydraulic pumps
- Two valves
- Angle shear capacity: 6" x 6" x 1/2" at 90°
- Rectangle notcher 3" x 4" x 1/2"
- Notcher table with guides
- 110-ton, 24" flat bar shear with sabre blade
- Shear table with miter fence
- Tool table work area
- Slug receptacles
- Electrical box supplied with emergency palm button and lock-out tag-out accommodations
- 230/460 volt / 3-ph electric (must specify voltage)
- All guards necessary to comply with ANSI B 11-5 standards
- Forklift accommodations
- Three-year warranty on parts
- Made in the USA

DUAL OPERATOR**5 STATIONS**

CAPACITIES AND SPECIFICATIONS

RATED ON: A36 MILD STEEL / 65,000 PSI TENSILE

Punching Capacity	70 ton (63 mt) 1-1/8" in 3/4" (28 mm in 20 mm)	Channel Shear	2" to 6" adj. (50 mm to 150 mm adj.)
Special Tooling	4" Max. Dia. (100 mm through 5.5 mm)	Strut Shear	Samples Required
Throat Depth	9" (225 mm)	Rod Shear	
Flat Bar Shear (sabre blade-std.)	110 ton, 24" Length, (100 mt, 600 mm) 1" x 6", 3/4" x 10" (25 x 150 mm, 18 x 250 mm) 1/2" x 14", 3/8" x 24" (12 x 350 mm, 10 x 600 mm)	Round Rod (Max.)	1/4" to 1-1/4", 9 Cavity (6 mm to 32 mm)
Angle Shear 90°	6" x 6" x 1/2" (150 x 150 x 12 mm)	Square Rod (Max.)	1/4" to 1", 1 Cavity (6 mm to 25 mm)
Angle Shear 45° (with Bar Shear)	3" x 3" x 3/8" (75 x 75 x 10 mm) 4" x 4" x 1/2" (100 x 100 x 12 mm)	Square Tube Shear	1/2" to 2", 12 gauge (2.75 mm)
Brake 12"	65 ton (59 mt)	Picket Tool	1/2", 3/4" & 1" (12 mm, 19 mm, 25 mm) 16 gauge (1.6 mm)
Brake 24"	45 ton (40 mt)	Offset Die Holder	Max. 40 ton (36 mt)
Open End Brake	Max. 1/4" x 5" (6 x 125 mm) Flat or Angle Iron	Strokes per minute in light material	47 spm (1/4" stroke) [Punch Station]
Pipe Notcher Schedule 40	3/4", 1", (19 mm, 25 mm) 1-1/4", (32 mm) 1-1/2", 2" (38 mm, 50 mm)	Strokes per minute in heavy material	16 spm (3/4" stroke) [Punch Station]
90° V-Notcher	6" x 6" x 5/16" (150 x 150 x 8 mm)	Hydraulics	3,000/3,000 psi (207/207 bar)
Rectangle Notcher	3" x 5" x 3/8" (75 x 125 x 10 mm) 3" x 4" x 1/2" (75 x 100 x 12 mm)	Motor Standard	10 hp 3 ph (7.46 kW) 230/460 208/380/575
V-Notch	3" x 3" x 3/8" (75 x 75 x 10 mm)	Motor Optional	10 hp 1 ph (7.46 kW) 230 v
Notching in Leg of Channel	6" to 10" (150 mm to 250 mm)	Dimensions	W-30" (76 cm) L-65" (165 cm) H-72 1/8" (183 cm)
		Shipping Weight	3,800 lbs. (1,723 kg)


**DUAL
OPERATOR**
**5
STATIONS**


DO 95/140-24M

STANDARD FEATURES

- Dual operator allows for two operators to work at the same time at full capacity
- 95-ton punch station (1-3/16" in 1")
- Keyed punch ram for safety
- 9" throat depth
- Punch gauging table with fence and scale
- Die holder complete with 2" die insert
- Punch nut with wrench
- Adjustable swing-away stripper
- One round punch & die: max. diameter 1-1/4"
- Punch jog control
- Two adjustable electric stroke controls with scale
- Two electric remote foot pedals
- Two 2-stage hydraulic pumps
- Two valves
- Angle shear capacity: 6" x 6" x 1/2" at 90°
- Rectangle notcher 3" x 4" x 1/2"
- Notcher table with guides
- 140-ton, 24" flat bar shear with sabre blade
- Shear table with miter fence
- Tool table work area
- Slug receptacles
- Electrical box supplied with emergency palm button and lock-out tag-out accommodations
- 230/460 volt / 3-ph electrics (must specify voltage)
- All guards necessary to comply with ANSI B 11-5 standards
- Forklift accommodations
- Three-year warranty on parts
- Made in the USA

CAPACITIES AND SPECIFICATIONS

RATED ON: A36 MILD STEEL / 65,000 PSI TENSILE

Punching Capacity	95 ton (86 mt) 1-3/16" in 1" (27 mm in 25 mm)	Channel Shear	2" to 6" adj. (50 mm to 150 mm adj.)
Special Tooling	4" Max. Dia. (100 mm through 5.5 mm)	Strut Shear	Samples Required
Throat Depth	9" (225 mm)	Rod Shear	
Flat Bar Shear (sabre blade-std.)	140 ton, 24" Length, (127 mt, 609 mm) 1" x 8", 3/4" x 12" (25 x 203 mm, 18 x 304 mm) 1/2" x 16", 3/8" x 24" (12 x 406 mm, 10 x 609 mm)	Round Rod (Max.)	1/4" to 1-1/4", 9 Cavity (6 mm to 32 mm)
Angle Shear 90°	6" x 6" x 1/2" (150 x 150 x 12 mm)	Square Rod (Max.)	1/4" to 1", 1 Cavity (6 mm to 25 mm)
Angle Shear 45° (with Bar Shear)	3" x 3" x 3/8" (75 x 75 x 10 mm) 4" x 4" x 1/2" (100 x 100 x 12 mm)	Square Tube Shear	1/2" to 2", 12 gauge (2.75 mm)
Brake 12"	80 ton (72.5 mt)	Picket Tool	1/2", 3/4" & 1" (12 mm, 19 mm, 25 mm) 16 gauge (1.6 mm)
Brake 24"	55 ton (50 mt)	Offset Die Holder	Max. 40 ton (36 mt)
Open End Brake	Max. 1/4" x 5" (6 x 125 mm) Flat or Angle Iron	Strokes per minute in light material	47 spm (1/4" stroke) [Punch Station]
Pipe Notcher Schedule 40	3/4", 1", (19 mm, 25 mm) 1-1/4", (32 mm) 1-1/2", 2" (38 mm, 50 mm)	Strokes per minute in heavy material	16 spm (3/4" stroke) [Punch Station]
90° V-Notcher	6" x 6" x 5/16" (150 x 150 x 8 mm)	Hydraulics	3,500/3,500 psi (241/241 bar)
Rectangle Notcher	3" x 5" x 3/8" (75 x 125 x 10 mm) 3" x 4" x 1/2" (75 x 100 x 12 mm)	Motor Standard	10 hp 3 ph (7.46 kW) 230/460 208/380/575
V-Notch	3" x 3" x 3/8" (75 x 75 x 10 mm)	Motor Optional	10 hp 1 ph (7.46 kW) 230 v
Notching in Leg of Channel	6" to 10" (150 mm to 250 mm)	Dimensions	W-30" (76 cm) L-65" (165 cm) H-72 1/8" (183 cm)
		Shipping Weight	3,800 lbs. (1,723 kg)

DO 120/200-24M

STANDARD FEATURES

- Dual operator allows for two operators to work at the same time at full capacity
- 120-ton punch station (1-1/2" in 1")
- Keyed punch ram for safety
- 12" throat depth
- Punch gauging table with fence and scale
- Die holder complete with 2" and 2-1/2" die inserts
- Punch nut with wrench
- Adjustable swing-away stripper
- One round punch & die: max. diameter 1-1/4"
- Punch jog control
- Two electric remote foot pedals
- Two adjustable electric stroke controls with scale
- Two 2-stage hydraulic pumps
- Two valves
- Angle shear capacity: 6" x 6" x 1/2" at 90°
- Rectangle notcher 3" x 5-3/4" x 1/2"
- Notcher table with guides
- 200-ton, 24" flat bar shear with sabre blade
- Shear table with miter fence
- Tool table work area
- Slug receptacles
- Electrical box supplied with emergency palm button and lock-out tag-out accommodations
- 230/460 volt / 3-ph electric (must specify voltage)
- All guards necessary to comply with ANSI B 11-5 standards
- Forklift accommodations
- Three-year warranty on parts
- Made in the USA

DUAL OPERATOR
5 STATIONS



CAPACITIES AND SPECIFICATIONS

RATED ON: A36 MILD STEEL / 65,000 PSI TENSILE

Punching Capacity	120 ton (108 mt) 1-1/2" in 1" (38 mm in 25 mm)	Channel Shear	2" to 6" adj. (50 mm to 150 mm)
Special Tooling	4" Max. Dia. (100 mm Max. Dia.)	Strut Shear	Samples Required
Throat Depth	12" (300 mm)	Rod Shear	
Flat Bar Shear (sabre blade-std.)	200 ton, 24" Length (600 mm) 1" x 12" (25 x 300 mm) 3/4" x 20" (18 x 500 mm) 1/2" x 24" (12 x 600 mm)	Round Rod (Max.)	1/4" to 1-1/4", 9 Cavity (6 mm to 32 mm)
Angle Shear 90°	6" x 6" x 1/2" (150 x 150 x 12 mm)	Square Rod (Max.)	1/4" to 1", 1 Cavity (6 mm to 25 mm)
Angle Shear 45° (with Bar Shear)	3" x 3" x 3/8" (75 x 75 x 10 mm) 4" x 4" x 1/2" (100 x 100 x 12 mm)	Square Tube Shear	1/2" to 2", 12 gauge (12 mm to 50 mm, 2.75 mm)
Brake 12"	75 ton (55 mt)	Picket Tool	1/2", 3/4" & 1" (12 mm, 19 mm, 25 mm) 16 gauge (1.6 mm)
Brake 24"	55 ton (40 mt)	Offset Die Holder	Max. 40 ton (36 mt)
Open End Brake	Max. 1/4" x 5" (6 x 125 mm) Flat or Angle Iron	Strokes per minute in light material	47 spm (1/4" stroke) [Punch Station]
Pipe Notcher Schedule 40	3/4", 1" (19 mm, 25 mm) 1-1/4" (32 mm) 1-1/2", 2" (38 mm, 50 mm)	Strokes per minute in heavy material	16 spm (3/4" stroke) [Punch Station]
90° V-Notcher	6" x 6" x 5/16" (150 x 150 x 8 mm)	Hydraulics	3,500/3,500 psi (207/207 bar)
Rectangle Notcher	3" x 5-3/4" x 1/2" (75 x 145 x 12 mm)	Motor Standard	10 hp 3 ph (7.46 kW) 230/460 208/380/575
V-Notch	3" x 3" x 1/2" (75 x 75 x 12 mm)	Motor Optional	10 hp 1 ph (7.46 kW) 230 v
Notching in Leg of Channel	6" to 10" (150 mm to 250 mm)	Dimensions	W-34" (119 cm) L-77-1/4" (174 cm) H-74 1/4" (187 cm)
		Shipping Weight	6,204 lbs. (2,814 kg)

DO 135/220-24M



STANDARD FEATURES

- Dual operator allows for two operators to work at the same time at full capacity
- 135-ton punch station (1-11/16" in 1")
- Keyed punch ram for safety
- 12" throat depth
- Punch gauging table with fence and scale
- Die holders- 2", 2-1/2" and 3"
- Punch nut with wrench
- Adjustable swing-away stripper
- One round punch & die: max. diameter 1-1/4"
- Punch jog control
- Two electric remote foot pedals
- Two adjustable electric stroke controls with scale
- Two 2-stage hydraulic pumps
- Two valves
- Angle shear capacity: 6" x 6" x 1/2" at 90°
- Rectangle notcher 3" x 5-3/4" x 1/2"
- Notcher table with guides
- 220-ton, 24" flat bar shear with sabre blade
- Shear table with miter fence
- Tool table work area
- Slug receptacles
- Electrical box supplied with emergency palm button and lock-out tag-out accommodations
- 230/460 volt / 3-ph electrics (must specify voltage)
- All guards necessary to comply with ANSI B 11-5 standards
- Forklift accommodations
- Three-year warranty on parts
- Made in the USA

CAPACITIES AND SPECIFICATIONS

RATED ON: A36 MILD STEEL / 65,000 PSI TENSILE

Punching Capacity	135 ton (122 mt) 1-11/16" in 1" (43 mm in 25 mm)	Channel Shear	2" to 6" adj. (50 mm to 150 mm)
Special Tooling	4" Max. Dia. (100 mm Max. Dia.)	Strut Shear	Samples Required
Throat Depth	12" (300 mm)	Rod Shear	
Flat Bar Shear (sabre blade-std.)	220 ton, 24" Length (600 mm) 1" x 12" (25 x 300 mm) 3/4" x 20" (18 x 500 mm) 1/2" x 24" (12 x 600 mm)	Round Rod (Max.)	1/4" to 1-1/4", 9 Cavity (6 mm to 32 mm)
Angle Shear 90°	6" x 6" x 1/2" (150 x 150 x 12 mm)	Square Rod (Max.)	1/4" to 1", 1 Cavity (6 mm to 25 mm)
Angle Shear 45° (with Bar Shear)	3" x 3" x 3/8" (75 x 75 x 10 mm) 4" x 4" x 1/2" (100 x 100 x 12 mm)	Square Tube Shear	1/2" to 2", 12 gauge (12 mm to 50 mm, 2.75 mm)
Brake 12"	90 ton (81.6 mt)	Picket Tool	1/2", 3/4" & 1" (12 mm, 19 mm, 25 mm) 16 gauge (1.6 mm)
Brake 24"	70 ton (63.5 mt)	Offset Die Holder	Max. 40 ton (36 mt)
Open End Brake	Max. 1/4" x 5" (6 x 125 mm) Flat or Angle Iron	Strokes per minute in light material	47 spm (1/4" stroke) [Punch Station]
Pipe Notcher Schedule 40	3/4", 1" (19 mm, 25 mm) 1-1/4" (32 mm) 1-1/2", 2" (38 mm, 50 mm)	Strokes per minute in heavy material	16 spm (3/4" stroke) [Punch Station]
90° V-Notcher	6" x 6" x 5/16" (150 x 150 x 8 mm)	Hydraulics	3,500/3,500 psi (207/207 bar)
Rectangle Notcher	3" x 5-3/4" x 1/2" (75 x 145 x 12 mm)	Motor Standard	10 hp 3 ph (7.46 kW) 230/460 208/380/575
V-Notch	3" x 3" x 1/2" (75 x 75 x 12 mm)	Motor Optional	10 hp 1 ph (7.46 kW) 230 v
Notching in Leg of Channel	6" to 10" (150 mm to 250 mm)	Dimensions	W-34" (119 cm) L-77-1/4" (174 cm) H-74 1/4" (187 cm)
		Shipping Weight	6,404 lbs. (2,904 kg)

DO 150/240-24M

STANDARD FEATURES

- Dual operator allows for two operators to work at the same time at full capacity
- 150-ton punch station (1-7/8" in 1")
- Keyed punch ram for safety
- 12" throat depth
- Punch gauging table with fence and scale
- Die holders - 2", 2-1/2", 3"
- Punch nut with wrench
- Adjustable swing-away stripper
- One round punch & die: max. diameter 1-1/4"
- Punch jog control
- Two electric remote foot pedals
- Two adjustable electric stroke controls with scale
- Two 2-stage hydraulic pumps
- Two valves
- Angle shear capacity: 6" x 6" x 1/2" at 90°
- Rectangle notcher 3" x 5-3/4" x 1/2"
- Notcher table with guides
- 240-ton, 24" flat bar shear with sabre blade
- Shear table with miter fence
- Tool table and work area
- Slug receptacles
- Electrical box supplied with emergency palm button and lock-out tag-out accommodations
- 230/460 volt / 3-ph electric (must specify voltage)
- All guards necessary to comply with ANSI B 11-5 standards
- Forklift accommodations
- Three-year warranty on parts
- Made in the USA

DUAL OPERATOR
5 STATIONS



CAPACITIES AND SPECIFICATIONS

RATED ON: A36 MILD STEEL / 65,000 PSI TENSILE

Punching Capacity	150 ton (136 mt) 1-1/2" in 1-1/4" (38 mm in 32 mm) 1-7/8" in 1" (48 mm in 25 mm) 2-1/2" in 3/4" (63 mm in 19 mm)	Channel Shear	2" to 6" adj. (50 mm to 150 mm)
Special Tooling	4" Max. Dia. (100 mm Max. Dia.)	Strut Shear	Samples Required
Throat Depth	12" (300 mm)	Rod Shear Round Rod (Max.) Square Rod (Max.)	1/4" to 1-1/4", 9 Cavity (6 mm to 32 mm) 1/4" to 1", 1 Cavity (6 mm to 25 mm)
Flat Bar Shear (sabre blade-std.)	240 ton, 24" Length (600 mm) 1" x 14" (25 x 355 mm) 3/4" x 24" (19 x 610 mm)	Square Tube Shear	1/2" to 2", 12 gauge (12 mm to 50 mm, 2.75 mm)
Angle Shear 90°	6" x 6" x 1/2" (150 x 150 x 12 mm)	Picket Tool	1/2", 3/4" & 1" (12 mm, 19 mm, 25 mm) 16 gauge (1.6 mm)
Angle Shear 45° (with Bar Shear)	3" x 3" x 3/8" (75 x 75 x 10 mm) 4" x 4" x 1/2" (100 x 100 x 12 mm)	Offset Die Holder	Max. 40 ton (36 mm)
Brake 12"	90 ton (81.6 mt)	Strokes per minute in light material	52 spm (1/4" stroke) [Punch Station]
Brake 24"	70 ton (63.5 mt)	Strokes per minute in heavy material	17 spm (3/4" stroke) [Punch Station]
Open End Brake	Max. 1/4" x 5" (6 x 125 mm) Flat or Angle Iron	Hydraulics	3,500/3,500 psi (241/241 bar)
Pipe Notcher Schedule 40	3/4", 1" (19 mm, 25 mm) 1-1/4" (32 mm) 1-1/2", 2" (38 mm, 50 mm)	Motor Standard	10 hp 3 ph (7.46 kW) 230/460 208/380/575
90° V-Notcher	6" x 6" x 5/16" (150 x 150 x 8 mm)	Motor Optional	10 hp 1 ph (7.46 kW) 230 v
Rectangle Notcher	3" x 5-3/4" x 1/2" (75 x 145 x 12 mm)	Dimensions	W-34" (119 cm) L-77-1/4" (174 cm) H-74 1/4" (187 cm)
V-Notch	3" x 3" x 1/2" (75 x 75 x 12 mm)	Shipping Weight	6,404 lbs. (2,904 kg)
Notching in Leg of Channel	6" to 10" (150 mm to 250 mm)		

FI 8510-20M

STANDARD FEATURES

- 85-ton punch station (1-1/16" in 1")
- Keyed punch ram for safety
- 10" throat depth
- Punch gauging table with fence and scale
- Die holder complete with 2" die insert
- Punch nut with wrench
- Adjustable swing-away stripper
- One round punch & die: max. diameter 1-1/4"
- Punch jog control
- Adjustable electric stroke control with scale
- Electric remote foot pedal
- 6" x 6" x 1/2" slug-less angle shear
- 20" flat bar shear
- Shear table with miter fence
- Rod shear capacity 1-1/2" round, 1-1/4" square
- Rectangle notcher capacity: 3" x 5" x 1/2"
- Notcher table with scale and guide
- Two-stage hydraulic pump
- Electrical box supplied with emergency palm button and lock-out tag-out accommodations
- 230/460 volt / 3-ph electric (must specify voltage)
- All guards necessary to comply with ANSI B 11-5 standards
- Forklift accommodations
- Three-year warranty on parts
- Made in the USA

SINGLE OPERATOR
5 STATIONS



CAPACITIES AND SPECIFICATIONS

RATED ON: A36 MILD STEEL / 65,000 PSI TENSILE

Punching Capacity	85 ton (77 mt) 1-1/16" in 1" (27 mm in 25 mm)
Special Tooling	4" Max. Dia. (100 mm Max. Dia.)
Throat Depth	10" (250 mm)
Flat Bar Shear	20" Length, (500 mm) 1" x 12" (25 x 300 mm) 3/4" x 20" (19 x 500 mm)
Angle Shear 90° (45° with Bar Shear)	6" x 6" x 1/2" (150 x 150 x 12 mm) 4" x 4" x 1/2" (100 x 100 x 12 mm)
Brake 12" Brake 24"	85 ton (77 mt) 85 ton (77 mt)
Open End Brake	Max. 1/4" x 5" (6 x 125 mm) Flat or Angle Iron
Pipe Notcher Schedule 40	3/4" 1" (19 mm, 25 mm) 1-1/4" (32 mm) 1-1/2", 2" (38 mm, 50 mm)
90° V-Notcher	6" x 6" x 5/16" (150 x 150 x 8 mm)
Rectangle Notcher 90° V-Notcher	3" x 5" x 1/2" (75 x 125 x 12 mm) 3" x 3" x 1/2" (75 x 75 x 12 mm)
Channel Shear	2" to 6" adj. (50 mm to 150 mm adj.)

Strut Shear	Samples Required
Rod Shear Round Rod Square Rod	1-1/2" (38 mm) 1-1/4" (32 mm)
Square Tube Shear	1/2" to 2", 12 gauge (12 mm to 50 mm, 2.75 mm)
Picket Tool	1/2", 3/4" & 1" (12 mm, 19 mm, 25 mm) 16 gauge (1.6 mm)
Offset Die Holder	Max. 40 ton (36 mt)
Strokes per minute in light material	35 spm (1/4" stroke) [Punch Station]
Strokes per minute in heavy material	14 spm (3/4" stroke) [Punch Station]
Hydraulics	2,600 psi (183 bar)
Motor Standard	5 hp 3 ph (3.76 kW) 230/460 208/380/575
Motor Optional	5 hp 1 ph (3.76 kW) 230 v
Dimensions	W-30" (76 cm) L-67" (168 cm) H-77" (195 cm)
Shipping Weight	4,554 lbs. (2,065 kg)

DO 8514-20M



**DUAL
OPERATOR**

**5
STATIONS**

**3 YR.
WARRANTY**
MADE
IN THE
U.S.A.

STANDARD FEATURES

- Dual operator allows for two operators to work at the same time at full capacity
- 85-ton punch station (1-1/16" in 1")
- Keyed punch ram for safety
- 14" throat depth
- Punch gauging table with fence and scale
- Die holder complete with 2" die insert
- Punch nut with wrench
- Adjustable swing-away stripper
- One round punch & die: max. diameter 1-1/4"
- Punch jog control
- Two adjustable electric stroke controls with scale
- Two electric remote foot pedals
- Two 2-stage hydraulic pumps
- Two valves
- 6" x 6" x 1/2" slug-less angle shear
- Built-in rectangle notcher: 2" x 4" x 1/2" can be converted to 3" x 3" V-Notcher, 50-ton punch station, and 6" open end brake
- 20" flat bar shear
- Shear table with miter fence
- Rod shear: 1/2", 3/4", 1", 1-1/2" round and 1-1/2" square
- Slug receptacles
- Electrical box supplied with emergency palm button and lock-out tag-out accommodations
- 230/460 volt / 3-ph electrics (must specify voltage)
- All guards necessary to comply with ANSI B 11-5 standards
- Forklift accommodations
- Three-year warranty on parts
- Made in the USA

CAPACITIES AND SPECIFICATIONS

RATED ON: A36 MILD STEEL / 65,000 PSI TENSILE

Punching Capacity	85 ton (77 mt) 1-1/16" in 1" (27 mm in 25 mm)	Strut Shear	Samples Required
Special Tooling	4" Max. Dia. (200 mm Max. Dia.)	Rod Shear	
Throat Depth	14" (350 mm)	Round Rod (Max.)	1/2", 3/4", 1", 1-1/2", (13 mm, 19 mm, 25 mm, 38 mm)
Flat Bar Shear	20" Length, (500 mm) 1" x 16", (25 x 400 mm) 3/4" x 20" (19 x 500 mm)	Square Rod (Max.)	1-1/2" (38 mm)
Angle Shear 90° (45° with Bar Shear)	6" x 6" x 1/2" (150 x 150 x 13 mm) 4" x 4" x 1/2" (100 x 100 x 13 mm)	Square Tube Shear	1/2" to 2", 12 gauge (12 mm to 50 mm, 2.75 mm)
Brake 12" Brake 24"	85 ton (77 mt) 85 ton (77 mt)	Picket Tool	1/2", 3/4" & 1" (13 mm, 19 mm, 25 mm) 16 gauge (1.6 mm)
Open End Brake	5" x 5/8" (125 x 16 mm)	Offset Die Holder	Max. 40 ton (36 mt)
Pipe Notcher Schedule 40	3/4", 1" (19 mm, 25 mm) 1-1/4" (32 mm) 1-1/2", 2" (38 mm, 50 mm)	Strokes per minute in light material	48 spm (1/4" stroke) [Punch Station]
90° V-Notcher (Punch Station)	6" x 6" x 5/16" (150 x 150 x 8 mm)	Strokes per minute in heavy material	20 spm (3/4" stroke) [Punch Station]
Rectangle Notcher 90° V-Notcher (Notcher Station) Punch Attachment for Notcher Station Throat Depth w/Punch attachment	2" x 4" x 1/2" (50 x 100 x 13 mm) 3" x 3" x 1/2" (75 x 75 x 12 mm) 50 ton 1-1/4" in 1/2" (32 mm in 12 mm)	Hydraulics	3,350/3,800 psi (231/262 bar)
Channel Shear	2" to 6" (50 mm to 150 mm)	Motor Standard	10 hp 3 ph (7.46 kW) 230/460 208/380/575
		Motor Optional	10 hp 1 ph (7.46 kW) 230 v
		Dimensions	W-30" (750 cm) L-70" (1500 cm) H-77" (1925 cm)
		Shipping Weight	5,504 lbs. (2,496 kg)

ShearMaster 610



SHEAR

STANDARD FEATURES

- 24" flat bar shear with 4-way reversible blades
- Shear table with miter fence
- Shearing Capacity: 1" x 12", 3/4" x 16", or 1/2" x 24"
- Strokes per minute: Full stroke—12, Half stroke—30
- Hydraulic hold-down
- Electric back gauge
- Electric stroke control
- Electric foot pedal
- Two stage hydraulic pump
- 10 hp motor
- Electric box supplied with emergency palm button and lock-out tag-out accommodations
- 230/460 volt / 3-ph electric (must specify voltage)
- All guards necessary to comply with ANSI B 11-5 Standards
- Dimensions: W-32", L-48", H-70"
- Shipping Weight: 3,065 lbs. (1,390 kg)
- Forklift accommodations
- Three-year warranty on parts
- Made in the USA



ShearMaster 610 shown with optional 5 ft. Roller Conveyor

Optional Standard Tooling

ShearMaster 610

- Work light
- 10 hp 1 phase motor
- Infeed conveyor
- Advanced feed system for fully automatic production

CPO 275 Series

STANDARD EQUIPMENT & 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°, and 45° right
- Capable of slotting
- Two cutting speeds
- Hardened and ground worm and wheel gear box
- Worm wheel of top quality bronze
- Chip drawer
- Seven-gallon coolant tank with pump
- One 10" diameter (250 mm) HSS blade
- One blade wrench
- One gallon concentrated coolant
- 230 or 460 volt/3-ph electric (must specify voltage)
- Three-year warranty on parts
- Made in the USA

MAXIMUM CAPACITIES (WITH A 275 MM/10-3/4" BLADE)

Material	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)	3" x 2" (76 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)



COLD SAWS

CPO 275 PKPD

SEMI-AUTOMATIC SAW

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



CPO 275 PK

MANUAL SAW WITH POWER CLAMP

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



CPO 275

MANUAL SAW

- Manual clamp for material vise
- Operator controlled trigger switch
- Miter locking device stops 45° left, 90° and 45° right



SPECIFICATIONS

Cutting Speeds (must specify when ordering)

LT (Low Turn) designed for solid mild steel, solid stainless steel & thick wall pipe

LT 30/60 rpm

HT (High Turn) designed for thin wall tube .060 wall thickness or thinner and non-ferrous material

HT 60/120 rpm

SS (Single Speed) designed for 220 1-ph applications

SS 60 rpm

Factory Wired: Specify 208 3-ph, 230 3-ph, 460 3-ph, 575 3-ph 60 Hz, or 220 1-ph (SS Model Only)

Maximum Diameter Blade: 10-3/4" (275 mm) **Arbor Bore:** 1-1/4" (32 mm)

Width: 21-7/8"

Depth: 43-1/2"

Height: (not incl. feed handle) 53-1/4"

Shipping Weight:

CPO 275: 550 lbs. (279 kg)

CPO 275 PK: 580 lbs. (263 kg)

Pin Spacing: 2/8/45

Height: (from floor to vise) 36-1/8"

CPO 275 PKPD: 670 lbs. (303 kg)



**MAXIMUM CAPABILITIES
(WITH A 350 MM/13-7/8" 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)	4" x 4" (102 x 102 mm)
Rectangle	5-1/2" x 4" (140 x 102 mm)	4" x 4" (102 x 102 mm)
Solid	90 Degree	45 Degree
Round	2" (51 mm)	1-3/4" (44 mm)
Square	2" x 2" (51 x 51 mm)	1-3/4" x 1-3/4" (44 x 44 mm)

CPO 350 Series

STANDARD EQUIPMENT & 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° and 45° right
- Capable of slotting
- Two cutting speeds
- Double reduction, hardened and ground worm and wheel gear box
- Worm wheel of top quality bronze
- Chip drawer
- Seven-gallon coolant tank with pump
- One 12-1/2" diameter (315 mm) HSS blade
- One blade wrench
- One gallon concentrated coolant
- 230 or 460 volt/3-ph electric (must specify voltage)
- Three-year warranty on parts
- Made in the USA

CPO 350

MANUAL SAW

- Manual clamp for material vise
- Operator controlled trigger switch



CPO 350 PK

**MANUAL SAW WITH
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



SPECIFICATIONS

Cutting Speeds (must specify when ordering)

LT (Low Turn) designed for solid mild steel, solid stainless steel & thick wall pipe

LT 22/44 rpm

HT (High Turn) designed for thin wall tube .060 wall thickness or thinner and non-ferrous material

HT 44/88 rpm

VS Variable Speed Drive 11 to 177 rpm, wired 230/460 3-ph

VS Variable Speed Drive 11 to 177 rpm, wired 220 1-ph

SS (Single Speed) designed for 220 1-ph applications

SS 44 rpm

Factory Wired: Specify 208 3-ph, 230 3-ph, 460 3-ph, 575 3-ph 60 Hz or 220 1-ph 60 Hz (SS model only)

Maximum Diameter Blade: 14" (350 mm)

Width: 21-7/8"

Depth: 43-1/2"

Shipping Weight:

CPO 350 LT: 660 lbs. (299 kg)

Motor Rate: 3 hp

Motor Rate: 2.5 hp

Motor Rate: 5 hp

Motor Rate: 5 hp

Motor Rate: 3 hp

Arbor Bore: 1-9/16" (40 mm)

Height: (not incl. feed handle) 56-1/4"

CPO 350 PK: 660 lbs. (299 kg)

Pin Spacing: 4/12/64

Height: (floor to vise) 37-7/16"

CPO 350 PKPD: 760 lbs. (344 kg)

CPO 350 NF Series

STANDARD EQUIPMENT & 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°, and 45° right
- Capable of slotting
- Positive cog belt driven
- Chip drawer
- One-gallon coolant tank with mist lubrication system
- One 13-1/2" diameter (338 mm) carbide-tipped blade
- One blade wrench
- One gallon concentrated coolant
- 230 or 460 volt/3-ph electric (must specify voltage)
- Three-year warranty on parts
- Made in the USA

MAXIMUM CAPACITIES (WITH A 350 MM/13-7/8" BLADE)

Tubing	90 Degree	45 Degree
Round	4-1/2" (114 mm)	4-1/4" (108 mm)
Square	4-1/4" x 4-1/4" (108 x 108 mm)	4" x 4" (102 x 102 mm)
Rectangle	5-1/2" x 4" (140 x 102 mm)	4" x 4" (102 x 102 mm)
Solid	90 Degree	45 Degree
Round	3" (76 mm)	2-1/2" (64 mm)
Square	3" x 3" (76 x 76 mm)	2-1/2" x 2-1/2" (64 x 64 mm)



CPO 350 NF PKPD

SEMI-AUTOMATIC SAW

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



CPO 350 NF PK

MANUAL SAW WITH POWER CLAMP

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



CPO 350 NF

MANUAL SAW

- Manual clamp for material vise
- Operator controlled trigger switch



SPECIFICATIONS

Non-Ferrous machines designed for aluminum, plastic, copper, etc.

Cutting Speeds:	3,000 rpm		
Motor Rate:	5 hp		
Factory Wired:	Specify 208 3-ph, 230 3-ph, 460 3-ph, or 575 3-ph 60 Hz		
Maximum Diameter Blade:	14" (350 mm)		
Arbor Bore:	1-9/16" (40 mm)		
Pin Spacing:	4/12/64		
Width: 21-7/8"	Depth: 43-1/2"	Height: (not incl. feed handle) 56-1/4"	Height: (from floor to vise) 37-7/16"
Shipping Weight:	CPO 350 NF: 625 lbs. (283 kg)	CPO 350 NF/PK: 650 lbs. (294 kg)	CPO 350 NF PK/PD: 725 lbs. (328 kg)



SUP-500 NF Upcut Circular Cold Saw

**MAXIMUM CAPACITIES
(WITH A MAXIMUM 500 MM OR 20" DIAMETER BLADE)**

Tubing	90 Degree		45 Degree	
	Round	7" 180 mm	6" 150 mm	
	Square	6" 150 mm	4-3/4" 120 mm	
Rectangle	11-3/4" x 5" 300 x 125 mm	5-3/4" x 4-3/4" 145 x 120 mm		
Solid	90 Degree			
	Round	4" 100 mm		



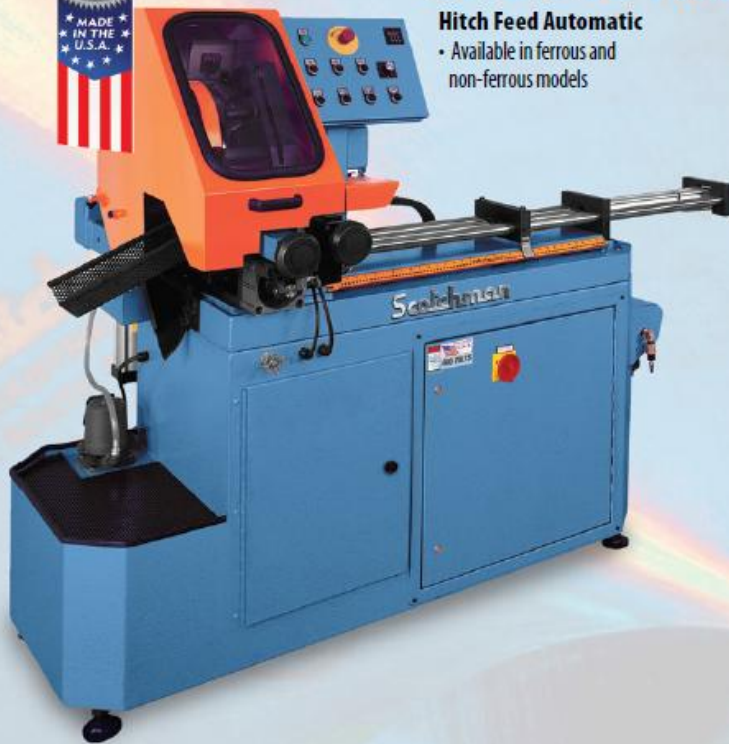
STANDARD EQUIPMENT & FEATURES

- Precision miter upcut non-ferrous saw
- Safety hood with safety switch that will not allow saw to run with hood open
- Blade door with safety interlock switch
- Dual palm buttons
- Adjustable feed rate on saw head
- Two horizontal pneumatic clamps
- Two vertical pneumatic clamps
- Miter capability 30° Left, 90° Straight, 0° Right
- Capable of slotting
- Moveable back fence for larger capacity
- Coolant tank with mist lubrication
- One gallon concentrated coolant
- One 20" (500 mm) diameter, 120-tooth carbide blade
- One blade wrench
- Air hose
- Base designed as a chip collection with two chip extraction ports
- Noise Level (DB 68)
- Adjustable leveling pads
- 230 or 460 volt/3-ph electric, (*must specify voltage*)
- Three-year warranty on parts
- Made in Spain

SPECIFICATIONS

Non-Ferrous Upcut Saw designed for aluminum, PVC, copper, etc.

Cutting Speeds:	3,000 RPM	
Motor Rate:	5.5 hp	
Factory Wired:	Specify 230 3-ph or 460 3-ph	
Maximum Diameter Blade:	20" (500 mm)	
Arbor Bore:	1.97" (50 mm)	
Width: 47-1/4"	Depth: 43-3/8"	Height: (top of Hood) 60-1/4"
Height: (from floor to vise) 38 5/8"		
Shipping Weight: 1,069 lbs. (485 kg)		



CPO 315 HFA

Hitch Feed Automatic

- Available in ferrous and non-ferrous models

CPO 315 HFA Series

STANDARD EQUIPMENT & FEATURES

- Fully automatic cycle
- Push button controls actuate the complete cycle
- 5 hp variable rpm speed control (ferrous model)
- 5 hp 3,000 rpm (non-ferrous model)
- Interlocking safety hood
- Clamping both sides of blade - highest quality, burr-free cuts
- Blade guides for accurate tolerances (ferrous model)
- Flood coolant (ferrous model)
- Mist coolant (non-ferrous model)
- Adjustable stroke control on the saw head
- Adjustable down feed control on the saw head for feed rate
- Piece counter
- Length scale in both inches and metric
- Quick and easy fine adjustment of length setting
- One saw blade
- One gallon concentrated coolant
- Three-year warranty on parts
- Made in the USA

OPTIONAL EQUIPMENT

- Mist coolant
- Form jaws for multiple tubes
- Digital read-out for quick easy length setting
- Ten-foot or twenty-foot material supply track

CUTTING CAPACITIES - BASED ON MILD STEEL

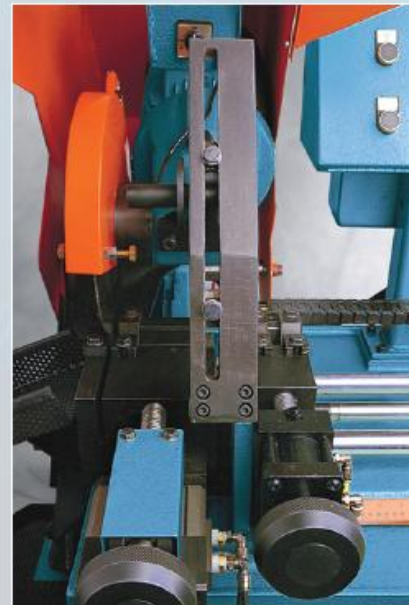
Tubing	
Round	up to 3-1/2" (≤ 89 mm)
Square	up to 3-1/8" x 3-1/8" (≤ 79 mm)
Solid	
Round	up to 2" (≤ 51 mm)
Square	up to 2" x 2" (≤ 51 x 51 mm)

CUTTING SPEEDS

CPO 315 HFA	Variable Speed 11 to 177 rpm
CPO 315 HFA NF	3,000 rpm

SPECIFICATIONS

- Length Tolerance:** + or - 0.004
- Squareness Tolerance:** + or - 0.002 per diameter inch
- Minimum Cut Length:** 1/8"
- Maximum Cut Length:** Single Index 30", Double Index 60", Triple Index 90"
- Motor HP Ferrous Models:** 5 hp
- Motor HP Non-Ferrous Models:** 5 hp
- Power Supply:** 208/230/460 3-ph (must specify voltage)
- Air Pressure:** 90 lbs. minimum
- Maximum Saw Blade Diameter:** 12-1/2" (315 mm)
- Arbor Bore Size:** 40 mm
- Pin Spacing:** 4/12/64
- Length:** 100" **Width:** 44" **Height:** 64" **Shipping Weight:** 1,770 lbs. (802 kg)



Stroke Control Adjustment

CPO 315 RFA Series

Scotchman Roller Feed Automatics
are designed to your specifications



CPO 315 RFA ST

Fully Automatic Roller Feed Saw shown with Supply Track
• Available in ferrous and non-ferrous models



315 RFA Bundle
Loading Magazine

SPECIFICATIONS

Length Tolerance: + or - 0.006 repeatability

Minimum Cut Length: 1-1/4"

Maximum Cut Length: 60" (90" or 120" available)

Minimum Trim Cut: 1"

Motor HP Ferrous Models: 5 hp

Motor HP - Non-ferrous Model: 5 hp

Power Supply: 208/230/460 3-ph (must specify voltage)

Air Pressure: 90 lbs. minimum

Length: 384"

Width: 46"

Height: 63"

Squareness Tolerances: + or - 0.002 per diameter inch

Maximum Saw Blade: 12-1/2" (315 mm)

Arbor Bore Size: 40 mm

Pin Spacing: 4/12/64

Supply Table Maximum Raw Stock: 24"

Supply Table Width: 24"

Shipping Weight: 2,745 lbs. (1,245 kg)

Tube & Pipe Grinder / Notchers



Create perfect notches in just seconds using Scotchman's line of tube and pipe notching equipment. Available in both hand lever or crank wheel models, these notchers are ideal for steel and stainless steel (consult factory) tube and pipe construction, hand railings, gates and fences, race car frames and roll cages, marine arches railing, furniture frames and stainless plumbing for restaurant and dairy. Scotchman's notching equipment requires no costly dies, hole saws, grinding wheels or torch flame cutting.

Manual Tube & Pipe Notchers



MODEL & CAPACITIES

AL1	3/4", 1" and 1-1/4" pipe
AL2	1-1/2" and 2" pipe
AL3	1-1/4" and 1-1/2" pipe
ALU	Vent notch; maximum .155" wall thickness

FEATURES

- Offer efficient and productive pipe notching at low cost
- Workpiece is quickly and accurately notched to a proper fit, eliminating costly filing and grinding operations
- Portable and easy to mount to any stationary surface
- Notch several diameters up to schedule 40 wall thickness
- Require no change-over or costly attachments
- Simply insert a pipe into the die block, utilizing an eccentric shaft and lever system, and pull the handle downward ...a perfect notch every time!
- The vent notching die quickly creates a uniform notch in round or square workpieces for galvanizing outflow
- 3-Year Warranty on parts
- Made in the Netherlands

Electric Tube & Pipe Notchers



SPECIFICATIONS

Motor	3-1/2 hp * 230v/460v * 3ph
Dimensions	30" x 13-1/2" x 11-1/2" (762mm x 343mm x 292mm)
Shipping Weight	AL1-2E 200 lbs. (90 kg) AL1-2U 200 lbs. (90 kg)

FEATURES

- Equipped to notch 3/4", 1", 1-1/4", 1-1/2" and 2" up to schedule 40 wall thickness
- Units are available in 3-1/2 hp, 230 or 460 volt, 3ph
- For galvanizing, Model AL1-2U is equipped with a vent notching die to quickly create a uniform vent-notch in round or square workpieces for galvanizing outflow
- 3-Year Warranty on parts
- Made in the Netherlands

CAUTION: Never operate machines without safety guards in place. Machines are depicted with safety guards

TUBE & PIPE GRINDER / NOTCHERS



Tube & Pipe Grinder/Notchers



AL100U-01

MFG
In NL



AL100U-02

MFG
In NL



AL150

MFG
In NL

AL100U-01 & AL100U-02

- Produces gap-free fits ready for welding
- Smooth operation with minimal vibration
- Notches via adjustments straight = 90° to 30° in tube or pipe from 3/4" to 3" diameter in seconds (reference chart on page 4 for maximum angle with maximum diameter material)
- Two axis precision crossfeed table with hand lever feed handle and manual vise adjustment left and right (AL100U-01)
- Two axis precision crossfeed table with both handwheels and hand lever feed handle. (AL100U-02)
- Heavy duty frame and base construction
- Mandrel centerline adjustment
- One vise holds all pipe and tube sizes
- Top-mounted deburring surface
- Easy setup with vise graduated in degrees
- 13 mandrels available to ensure correct gap-free fits
- 2 belts and two pipe mandrels (1-1/4" & 1-1/2")
- Tool-free belt and mandrel change over
- 3-Year Warranty on parts
- Made in the Netherlands

AL150

- Produces gap-free fits ready for welding
- Smooth operation with minimal vibration
- Notches via adjustments straight = 90° to 30° in pipe or tube from 3/4" to 4" diameter in seconds (reference chart on page 4 for maximum angle with maximum diameter material)
- Two axis precision crossfeed table with both handwheels and hand lever feed handle. Heavy duty frame and base construction
- Mandrel centerline adjustment
- One vise holds all pipe and tube sizes
- Top-mounted deburring surface
- Easy setup with vise graduated in degrees
- 17 mandrels available to ensure correct gap-free fits
- 2 belts and two pipe mandrels (1-1/4" & 1-1/2")
- Tool-free belt and mandrel change over
- 3-Year Warranty on parts
- Made in the Netherlands

DIMENSIONS & SPECIFICATIONS

	AL100U-01 & AL100U-02
Belt*	4" x 78-3/4" (100mm x 2000mm)
Speed	3420 RPM
Belt Speed	98.4 feet per second
Grinding Capacity	1/2" to 3" O.D. (12.7mm to 76mm)
Angle Range	Straight = 90° to 30°
Motor	4 HP * 230v/460v * 3ph 230v * 1ph (optional)
Dimensions	59" x 47" x 19-1/2" (1499mm x 1194mm x 495mm)
Shipping Weight	460 lbs. (208 kg) AL100U-01 460 lbs. (208 kg) AL100U-02

	AL150
Belt*	6" x 78-3/4" (150mm x 2000mm)
Speed	3420 RPM
Belt Speed	98.4 feet per second
Grinding Capacity	1/2" to 4" O.D. (12.7mm to 114mm)
Angle Range	Straight = 90° to 30°
Motor	5-1/2 HP * 230v/460v * 3ph 230v * 1ph (optional)
Dimensions	59" x 47" x 26-1/2" (1499mm x 1194mm x 673mm)
Shipping Weight	600 lbs. (272 kg)

SU-280 Utility Band Saw



MAXIMUM CAPACITIES

	90 Degree		45 Degree		30 Degree	
Tubing						
Round	8-1/2"	220 mm	7"	180 mm	7"	180 mm
Square	8-1/2"	220 mm	6-1/4"	160 mm	4"	100 mm
Rectangle	11" x 7"	280 x 180 mm	7" x 6-1/4"	180 x 160 mm	4-1/4" x 4"	110 x 100 mm
Solid						
Round	8-1/2"	220 mm	7"	180 mm	7"	180 mm



STANDARD EQUIPMENT & FEATURES

- Quick action locking vise
- Miter capability 30° Right
- Blade trigger switch
- Blade tension gauge
- Two cutting speeds (3-phase model)
- One cutting speed (1-phase model)
- Carbide blade guides with roller supports
- Re-circulating coolant system
- Band door interlocks
- One 1" (27 mm) saw blade
- One gallon concentrated coolant
- Three-year warranty on parts
- Made in Spain

SPECIFICATIONS

Blade Length:	1" x 96.5"
Two Cutting Speeds:	3 phase machines, 131/262 FPM
One Cutting Speed:	1 phase machines, 196 FPM
Motor Rate:	1-1/2 hp
Factory Wired:	Specify 230 1-ph, 230 3-ph, or 460 3-ph
Width: 55"	Depth: 33-1/2" Height: 69"
Shipping Weight: 650 lbs. (295 kg)	