

AUTOMATIC VERTICAL COLD SAW



CNF400CNC
 Automatic non ferrous saw
 60° left and 45° right miter
 Two speeds 1400 and 2800 rpm
 15 3/4" carbide tipped blade
 Microprocessor control for programming up to 32 different jobs
 Multi-indexing shuttle feed, with 40" single stroke
 Up to 5" solid cutting capacity
 Cut up to 7" x 4" rectangular material
 Powerful 6HP motor

C370CNC
 Automatic vertical cold saw
 60° left and 45° right miter
 Variable speed 15-150 rpm
 14 1/2" HSS blade
 Microprocessor control for programming up to 32 different jobs
 Multi-indexing shuttle feed, with 40" single stroke
 Up to 4 3/4" solid cutting capacity
 Cut up to 7" x 4" rectangular material
 Powerful 7.5 HP motor



BL6000 Automatic Bar Loader
 Up to 20' starting length capacity
 31" Table width
 Can handle up to 3 1/2" round tubing or 1 1/2" solid square
 Adjustable angle gradient
 Separate 1 HP motor

COLD SAW SPECIFICATIONS			P SERIES			C SERIES				
			P225	P250	P350	C350S	C370SI	C350CNC	C370CNC	CNF400CNC
Capacity	Round Hollow	90°	2 1/2"	2 3/4"	4 1/2"	4 1/2"	4 3/4"	4 1/2"	4 3/4"	5"
		45°	2"	2 1/2"	4"	4 1/4"	4 1/2"	4 1/4"	4 1/2"	4 1/2"
		60° Left	n/a	n/a	n/a	3 1/2"	4 1/2"	3 1/2"	4 1/2"	4 1/2"
	Square Hollow	90°	2 1/4"	2 1/4"	4"	3 3/4"	4 1/3"	3 3/4"	4 1/4"	4 3/4"
		45°	1 3/4"	2"	3 1/3"	3 3/4"	4 1/3"	3 3/4"	4"	4"
		60° Left	n/a	n/a	n/a	3"	3 1/2"	3"	3 1/2"	3 1/2"
Rectangular Hollow	90°	2 1/2" x 2"	3 1/2" x 1 3/4"	5 1/8" x 3 1/2"	7" x 3 3/4"	7" x 3 3/4"	7" x 3 3/4"	7" x 4"	7" x 4"	
		45°	1 1/2" x 1"	2 3/4" x 1 3/4"	3 1/2" x 3 1/3"	4 3/4" x 3 3/4"	4 3/4" x 3 3/4"	3 1/2" x 3 3/4"	4 3/4" x 4"	4 3/4" x 4"
		60° Left	n/a	n/a	n/a	3 1/2" x 3 3/4"	3 1/2" x 3 3/4"	3 1/2" x 3 3/4"	3 1/2" x 3 1/2"	3 1/2" x 3 1/2"
	Round Solid	90°	1"	1 1/4"	1 1/2"	3 3/4"	4 1/2"	3 3/4"	4 3/4"	5"
		45°	1/2"	3/4"	1 1/2"	3"	2 3/4"	3"	2 3/4"	2 3/4"
		60° Left	n/a	n/a	n/a	2 1/2"	2"	2 1/2"	2"	2"
Square Solid	90°	3/4"	1"	2"	3 1/2"	4"	3 1/2"	4 1/4"	4 3/4"	
	45°	1/2"	3/4"	1 1/2"	2 1/2"	2 1/2"	2"	2 3/4"	2 3/4"	
	60° Left	n/a	n/a	n/a	1 3/4"	1 3/4"	1 1/2"	2"	2"	
Rectangular Solid	90°	3/4" x 3/4"	1" x 1"	2" x 2"	3 1/2" x 3 1/2"	7" x 3 3/4"	3 1/2" x 3 1/2"	7" x 4"	7" x 4"	
	45°	1/2" x 3/4"	3/4" x 1"	2" x 1 1/2"	2 1/2" x 3 1/2"	2 3/4" x 3 3/4"	2 1/2" x 3 1/2"	2 3/4" x 4"	2 3/4" x 4"	
	60° Left	n/a	n/a	n/a	1 3/4" x 3 1/2"	2" x 3 3/4"	1 3/4" x 3 1/2"	2" x 4"	2" x 4"	
Vise	Max. Opening	2 3/4"	4"	4 3/4"	7 1/2"	7 1/2"	7 1/2"	7 1/2"	7 1/2"	
Blade	Max. Diameter	9"	10"	14"	14"	14 1/2"	14"	14 1/2"	15 3/4"	
	Min Diameter	8"	9"	10"	10"	10"	10"	10"	10"	
	Speed	50 rpm	45 rpm	Low: 30 rpm High: 60 rpm	Low: 15/30 rpm High: 45/90 rpm	Variable Speed 15-150 rpm	Low: 15/30 rpm High: 45/90 rpm	Variable Speed 15-150 rpm	Low: 1400 rpm High: 2800 rpm	
Overall	Motor	1 ph. 1 Hp	1 ph - 3 ph 1 Hp	1.5 Hp / 3 Hp	1.5 Hp / 3.5 Hp	3 ph 7.5 Hp	3 ph 2.5 Hp / 3.5 Hp	7.5 HP	6 HP	
	Table Height	Bnch Mdl	36"	38"	38"	38"	38"	38"	38"	
	Machine Weight		83lbs.	155 lbs.	575 lbs.	935 lbs.	1408 lbs.	2332 lbs.	2350 lbs.	
Machine Dimensions	Width	16"	33"	50"	59"	57"	84"	97"	97"	
	Length	20"	32"	46"	47"	45"	47"	69"	70"	
	Height	30"	60"	70"	80"	75"	80"	75"	75"	

Selecting the Right Cold Saw Blade is Critical.

TOOTH PITCH CHART AT A GLANCE

Tooth Pitch (T) in mm.	Material Width									
	1/2"	1"	2"	3"	4"	5"	6"	7"	8"	10"
Minimum Wall Thickness Below 1/8"	3	4	4	5	5	6	6	-	-	-
Minimum Wall Thickness 1/8"	4	5	6	7	8	8	8	-	-	-
Minimum Wall Thickness 1/4"	-	-	8	8	10	10	12	12	-	-
Minimum Wall Thickness 3/8"	-	-	9	10	12	12	14	14	16	16
Minimum Wall Thickness 1/2"	-	-	12	12	14	14	16	16	18	18
Minimum Wall Thickness 5/8"	-	-	14	16	16	18	18	20	20	20
Mild Steel	4	8	12	16	18	20	20	22	24	-
Alloy Steel	5	7	10	14	16	18	18	20	22	-

PNF SERIES SPECIFICATIONS		PNF350A	PNF350AV	PNF350S	
Capacity	Round Hollow	90°	4 3/4"	4 3/4"	4 3/4"
		45°	4 1/2"	4 1/4"	4 1/4"
		45° Tilted Head	2"	2"	2"
	Square Hollow	90°	4"	4"	4"
		45°	3 3/4"	3 3/4"	3 3/4"
		45° Tilted Head	2"	2"	2"
Rectangular Hollow	90°	7" x 2 3/4"	7" x 2 3/4"	7" x 2 3/4"	
	45°	5 1/3" x 2 1/2"	5 1/3" x 2 1/2"	5 1/3" x 2 1/2"	
	45° Tilted Head	5 1/3" x 1 1/3"	5 1/3" x 1 1/3"	5 1/3" x 1 1/3"	
Round Solid	90°	3 1/2"	3 1/2"	3 1/2"	
	45°	3"	3"	3"	
	45° Tilted Head	2"	2"	2"	
Square Solid	90°	3"	3"	3"	
	45°	2"	2"	2"	
	45° Tilted Head	2"	2"	2"	
Rectangular Solid	90°	3" x 3"	3" x 3"	3" x 3"	
	45°	2" x 3"	2" x 3"	2" x 3"	
	45° Tilted Head	7" x 3/4"	7" x 3/4"	7" x 3/4"	
Vise	Max. Opening	7"	7"	7"	
Shuttle Vise	Stroke	19" per stroke up to 98 strokes	N/A	N/A	
	Max. Diameter	14"	14"	14"	
Blade	Speeds	Low speed High speed	1700 rpm 3400 rpm	1700 rpm 3400 rpm	
	Motor	Low speed High speed	2 1/2 Hp 3 Hp	2 1/2 Hp 3 Hp	
	Table Height		37 1/2"	36 1/4"	37"
Overall	Machine Weight		1267 lbs.	462 lbs.	615 lbs.
	Machine Dimensions	Width	93	61	71
		Length	67	49	59
Height		69	68	60	

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 Phone: (519) 537-2103 Fax: (519) 539-5126
 Toll Free: 1-877-276-SAWS (7297) www.hydmec.com

Dealer: _____



Rock Solid Cold Saws



PIVOT ARM COLD SAWS

P225

Portable and Compact enough to fit anywhere when needed!

Bench Model
9" Blade
Miter Cut 45°
Material Stop
Flood Coolant with pump



P250

10" blade
Base included
Miter cut 45°
Material Stop
Flood Coolant with pump



P350

14" blade
Up to 4 1/2" round capacity
Miter cut 45° left and right
Material stop
Flood Coolant with pump



P-Series Cold Saws for quick, clean and accurate Metal cutting!

VERTICAL COLUMN COLD SAWS

C350S

Semi-Automatic
Powered Vise & Saw Feed
14" Blade
3" solid capacity
4 blade speeds (15/30/60/90 rpm) or (30/60/90/180 rpm)
60° left & 45° right miters
Vertical Vise
Flood Coolant with Electric Pump



C370SI

Semi-Automatic
Powered Vise & saw feed
14 1/2" Blade
4 1/2" solid capacity
Infinitely Variable blade speed (15-150 rpm)
60° left & 45° right miters
Vertical Vise
Flood Coolant with Electric pump
Wash Down hose



The C350CNC Automatic Saw

When the Job Calls for Multi-lengths and Quantities



Program up to 32 different cuts lengths plus quantities
14" Blade
3" solid capacity
4 blade speeds (15/30/45/90 rpm) or (30/60/90/180 rpm)
60° left & 45° Right Miter
Vertical Vise
Flood Coolant with Electric Pump
Wash down hose

NON-FERROUS CUTTING SAWS

High Speed Blade RPM for the cutting of Aluminum, Brass, PVC and other Soft Metals

PNF350AV

Manual saw with Pneumatic operating Vise
14" Blade
Cut up to 7" X 2 3/4" rectangular material
Two Blade Speeds 1700 & 3400 RPM
45° right & left miter
45° Tilting saw head for compound miters
Automatic Mist System



PNF350A

Automatic Feed & Cut
14" Blade
Cut up to 7" X 2 3/4" rectangular material
Two Blade Speeds 1700 & 3400 rpm
45° right & left miter
45° Tilting Saw Head for compound miters
Automatic Mist System

PNF350S

Semi-automatic saw
Powered vise & saw head
14" blade
2 spds 1700 & 3400
Safety cover
45° Miter
45° Tilting saw head for compound miters



ANTI-BURR CLAMP:

P-Series cold saw vises are equipped with adjustable Anti-Burr clamp, clamping material on both sides of the cut (not available on P225).



IP55 CONTROL HANDLE:

For extra safety, the "blade on" switch is located in the handle.



WISE QUICK RELEASE:

When making more than one cut, the P350 models have a Vise Quick Release, for quick and easy opening and closing.



FLOOD COOLANT AND PUMP:

P-Series cold saws are equipped with a flood coolant system, coolant catch tray and electric coolant pump. (P225 has a diaphragm pump)



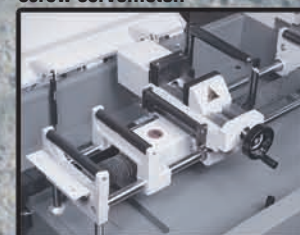
CHIP DRAWER:

Chip tray located directly under sawing area. Conveniently accessible at front of machine, for easy access and cleaning.



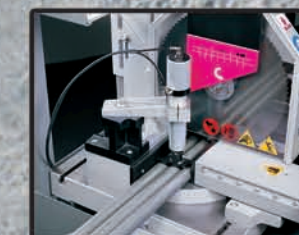
SHUTTLE FEED SYSTEM:

The C350CNC is equipped with a 20" single stroke, multi-indexing material feed system (upto 32" max length) driven by a ball screw servomotor.



PNEUMATIC VERTICAL VISE:

Standard equipment on all C Series cold saws. Provides extra hold on material, including bundle cutting.



WASH DOWN HOSE:

Flood Coolant system with easy access coolant tank. Includes electric pump. A wash down hose, standard equipment.



NON-FERROUS APPLICATIONS:

Hyd-Mech PNF Series Saws allow for the cutting of profiles, extrusions, and hollow section of aluminum.



SHUTTLE FEED SYSTEM:

A pneumatically driven, 20" single stroke multi-indexing (up to 99 times), material feed system provides uninterrupted production cutting.



TILTING HEAD:

The saw head on the PNF Series saws tilt up to 45° for compound miter cuts or the opportunity for less material handling.



PNEUMATIC VERTICAL VISE:

An optional pneumatic vertical vise can be installed to the saw providing extra hold down and bundle cutting.

