

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

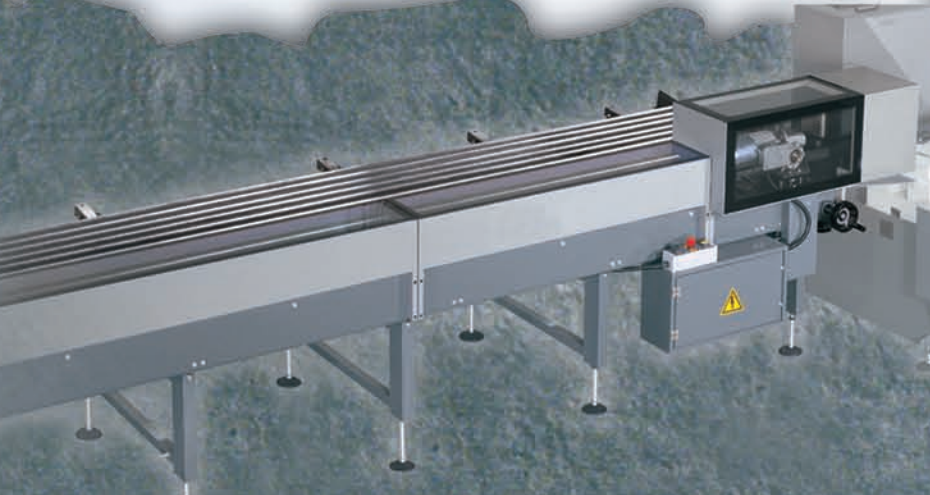
C370CNC

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	
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		
Overall	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	1700 rpm	1700 rpm	1700 rpm
		High speed	3400 rpm	3400 rpm	3400 rpm
		Low speed	2 1/2 Hp	2 1/2 Hp	2 1/2 Hp
Overall	Motor	High speed	3 Hp	3 Hp	3 Hp
	Table Height		37 1/2"	36 1/4"	37"
Machine Weight		1267 lbs.	462 lbs.	615 lbs.	
Machine Dimensions	Width		93	61	71
	Length		67	49	59
	Height		69	68	60

P.O. Box 1030, 1079 Parkinson Road, Woodstock, Ontario, Canada N4S 8A4
Phone: (519) 537-2103 Fax: (519) 539-5126
Toll Free: 1-877-276-SAWS (7297) www.hydmec.com

Dealer:



Rock Solid Cold Saws

HYD-MECH
The Rock Solid Solution.



HYD-MECH
The Rock Solid Solution.

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.



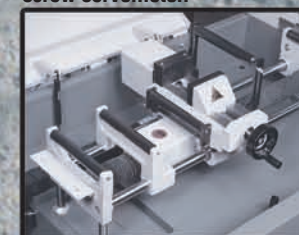
FLOOD COOLANT AND PUMP:
P-Series cold saws are equipped with a flood coolant system, coolant catch tray and electric coolant pump. (P225 has a diaphragm pump)



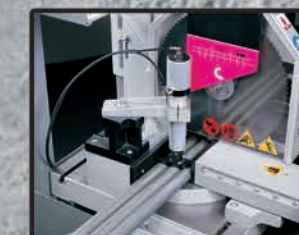
CHIP DRAWER:
Chip tray located directly under sawing area. Conveniently accessible at front of machine, for easy access and cleaning.



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.



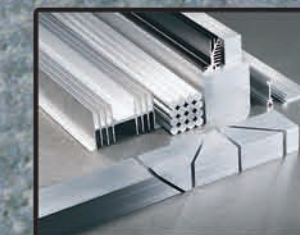
PNEUMATIC VERTICAL VISE:
Standard equipment on all C Series cold saws. Provides extra hold on material, including bundle cutting.



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.

