

# CIRCULAR COLD SAWS



**HYDMECH**

# P225



## STANDARD FEATURES

- Manually operated
- Robust sawing head miters 45° left
- Bench top model - no base
- Single blade speed of 1 HP
- Manual vise
- Material work stop rod for multiple cuts of the same length
- Flood coolant with membrane pump
- One blade included

## OPTIONAL FEATURES

- HSS oxide coated blades

# P350



## STANDARD FEATURES

- Manually operated
- Saw head movement by means of control handle with safety spring loaded trigger switch to start and stop blade
- Robust sawing head miters 45° left and 45° right
- Includes saw base
- Two blade speed of 30 and 60 rpm
- Movement of both head and vise to permit slotting or lengthwise cuts
- Vise quick clamp and release lever
- Adjustable manual vise with anti-burr clamp, clamps both sides of the cut
- Material work stop rod for multiple cuts of the same length Flood coolant with electrical coolant pump
- One blade included

## OPTIONAL FEATURES

- “Flip over” material stops with 60” ruler
- R2 ruler extensions for out feed roller tables
- Material stop with ruler
- K40 5’ roller table
- Roller table support stands (extra legs)
- Roller table adapter - required if ordering roller table for out feed
- HSS Oxide Coated Blade

# C350-2AV

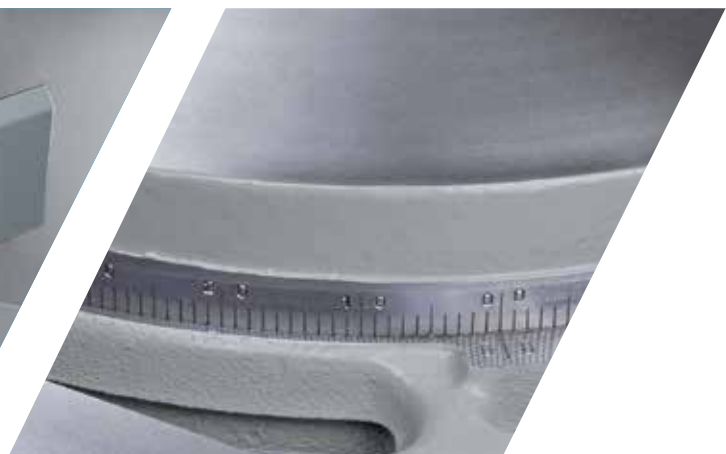


## STANDARD FEATURES

- Manually operated
- Heavy duty sawing head with manual movement on adjustable dual precision linear rails
- Robust sawing head miters 45° left and right, and 60° left
- Four blade speeds of 15,30,45, and 90 rpm
- Foot pedal control with emergency stop
- Pneumatic operating vise capable of sliding on dovetail to adjust with saw head mitered position
- Enclosed steel base with chip drawer and coolant tank
- Replaceable blade brush
- Ergonomically positioned control panel includes main disconnect and LED display for machine diagnostics
- Material work stop rod for multiple cuts of the same length
- Flood coolant with electrical coolant pump
- One blade included

## OPTIONAL FEATURES

- “Flip over” material stops with 60” ruler
- R2 ruler extensions for outfeed roller tables
- K40 5’ roller table
- Roller table support stands (extra legs)
- Roller table adapter - required if ordering roller table for out feed



# C350-2S



## STANDARD FEATURES

- Semi-automatic operation
- Heavy duty sawing head with manual movement on adjustable dual precision linear rails
- Robust sawing head miters 45° left and right, and 60° right
- Four blade speeds of 15,30,45, and 90 rpm
- Anti-burr clamp with double locking system
- Vertical pneumatic vise
- Pneumatic horizontal operating vise capable of sliding on dovetail to adjust with saw head mitered position
- Enclosed steel base with chip drawer and coolant tank
- Replaceable blade brush
- Ergonomically positioned control panel includes main disconnect, programmable sawing stroke, saw head feed rate control, and LED display for machine diagnostics
- Adjustable material stop with ruler
- Flood coolant with electrical coolant pump and wash down hose
- One blade included

## OPTIONAL FEATURES

- Foot pedal control with emergency stop
- Second pneumatic horizontal operating vise
- Mist lubrication system
- K40 5' roller table
- "Flip over" material stops with 60" ruler
- R2 ruler extensions for outfeed roller tables
- Roller table support stands (extra legs)
- Roller table adapter - required if ordering roller table for out feed
- HSS Oxide Coated Blade

Photos may show optional equipment.



# C350-2CNC

## STANDARD FEATURES

- Automatic operation
- Feed rate control dial
- Shuttle features automatic multi-indexing up to 23" in a single stroke with automatic kerf compensation. Powered by ball screw and stepper motor.
- Heavy duty sawing head with manual movement on adjustable dual precision linear rails
- Robust sawing head miters 45° left and right, and 60° left
- Variable blade speeds of 15 to 90 rpm
- Anti-burr clamp with double locking system
- Vertical pneumatic vise
- Pneumatic operating vise capable of sliding on dovetail to adjust with saw head mitered position
- Enclosed steel base with chip drawer and coolant tank
- Replaceable blade brush

- Ergonomically positioned control panel includes main disconnect, programmable sawing stroke, digital display indicates machine diagnostics and operations such as blade speed and cutting time. Store up to 99 jobs.
- Flood coolant with electrical coolant pump
- Wash down hose
- One blade included

## OPTIONAL FEATURES

- Second pneumatic horizontal operating vise
- Mist lubrication system
- K40 5' roller table
- Roller table support stands (extra legs)
- "Flip over" material stops with 60" ruler
- R2 ruler extensions for outfeed roller tables
- Roller table adapter - required if ordering roller table for out feed
- HSS Oxide Coated Blade

# C370-2SI



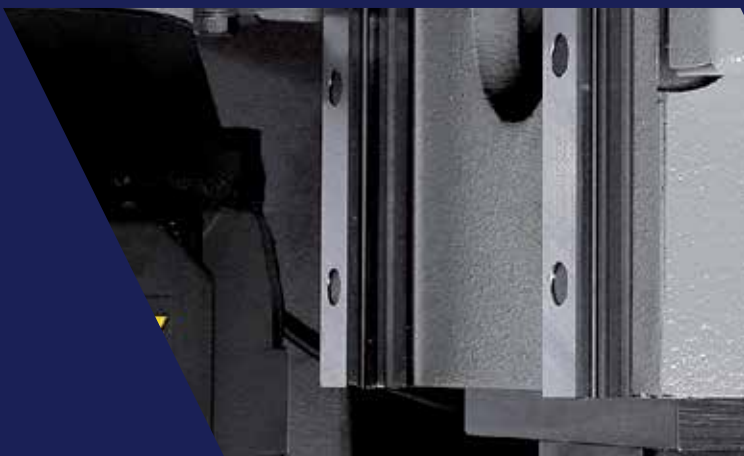
## STANDARD FEATURES

- Semi-automatic operation
- Heavy duty gear box coupled directly to saw makeup the robust saw head with manual movement on adjustable dual precision linear rails
- Robust sawing head miters 45° left and right, and 60° left
- Infinitely variable blade speed from 15-150 rpm
- Anti-burr clamp with double locking system
- Vertical pneumatic vise
- Pneumatic operating vise capable of sliding on dovetail to adjust with saw head mitered position
- Enclosed steel base with chip drawer and coolant tank
- Replaceable blade brush
- Ergonomically positioned control panel includes main disconnect, programmable sawing stroke, saw head feed rate control, and LED display for machine diagnostics
- Adjustable material stop with ruler
- Flood coolant with electrical coolant pump
- One blade included

## OPTIONAL FEATURES

- Foot pedal control with emergency stop

- Second pneumatic horizontal operating vise
- Mist lubrication system
- K40 5' roller table
- "Flip over" material stops with 60" ruler
- R2 ruler extensions for out feed roller tables
- Roller table support stands (extra legs)
- Roller table adapter - required if ordering roller table for out feed
- HSS Oxide Coated Blade



# C370CNC



## STANDARD FEATURES

- Automatic operation with semi-automatic mode
- Shuttle features automatic multi-indexing up to 40" in a single stroke with automatic kerf compensation. Powered by ball screw and stepper motor.
- Shuttle feed carriage designed with side movement to help feed and center deformed parts.
- Variable speed drive from 15 to 150 rpm's for the best cutting efficiency
- Vertical pneumatic vise
- Extended jaws allow for short remnant
- Heavy duty sawing head movement controlled by electro mechanic cylinder. Head moves on adjustable dual precision linear rails
- Robust sawing head miters 45° left and right, and 60° left
- 7.5 HP blade drive coupled directly to saw head guarantees high rigidity and precision to obtain high chip removal rates.

- Pneumatic operating vise capable of sliding on dovetail to adjust with saw head mitered position
- Enclosed steel base with chip drawer and coolant tank
- Replaceable blade brush
- Ergonomically positioned control panel includes emergency stop, programming console, digital display for machine diagnostics, as well as cutting parameters: blade speed, cut time, and cut quantity. Store up to 32 jobs.
- Flood coolant system with electrical coolant pump
- One blade included

## OPTIONAL FEATURES

- Automatic mitering
- CB6001 automatic incline loading table
- Second pneumatic horizontal operating vise
- Automatic chip conveyor
- Mist lubrication system





# CNF400CNC

## STANDARD FEATURES

- Automatic operation
- Shuttle features automatic multi-indexing up to 40" in a single stroke with automatic kerf compensation. Powered by ball screw and stepper motor.
- Head stroke is set directly from control panel
- Two blade speeds achieve speeds of 1700 or 3400 rpm
- Warning indicator with flashing light in case cycle stops
- Pneumatic vertical vise
- Robust sawing head miters 45° left and right, and 60° left
- Heavy duty sawing head movement controlled by pneumatic cylinder. Head moves on adjustable dual precision linear rails
- 6 HP blade drive coupled directly to saw head guarantees high rigidity and precision to obtain high chip removal rates.
- Pneumatic horizontal operating vise capable of sliding on dovetail to adjust with saw head mitered position

- Enclosed steel base coolant tank
- Replaceable blade brush
- Ergonomically positioned control panel includes emergency stop, programming console, digital display for machine diagnostics, as well as cutting parameters: blade speed, cut time, and cut quantity. Store up to 32 jobs.
- Automatic mist lubrication activates during the cut

## OPTIONAL FEATURES

- Automatic mitering
- CB6001 automatic incline loading table
- Foot pedal with e- stop
- T2500 chip collector
- Double suction system
- Short remnant

# PNF350-2AV

## STANDARD FEATURES

- Manual saw head movement by means of control handle with a safety spring loaded trigger switch to start or stop blade
- Robust sawing head can tilt 45° left for compound miter cutting
- Two blade speeds achieve speeds of 1700 or 3400 rpm
- Rotating table mounted on large roller bearings. Features stops at 90° and 45°.
- Two pneumatic operating vises, capable of sliding in or away from the blade to adjust saw head in mitered position
- Vises are equipped with moveable aluminum jaws which can be adjusted vertically
- 3.5/5 HP blade drive coupled directly to saw head guarantees high rigidity and precision to obtain high chip removal rates.
- Safety head locking device ensures two hand operation
- Automatic coolant lubrication activates during the cut
- One carbide tipped blade included

## OPTIONAL FEATURES

- T2500 chip collector
- Pneumatic vertical vise
- Material stop with ruler
- Roller table & accessories



# PNF350-2S



## STANDARD FEATURES

- Semi-automatic operation
- Pneumatic operating saw head and vises, activated by push button control panel
- Robust sawing head can tilt 45° left for compound miter cutting
- Two blade speeds achieve speeds of 1700 or 3400 rpm
- Rotating table mounted on large roller bearings. Features stops at 90° and 45°.
- Two pneumatic operating vises, capable of sliding in or away from the blade to adjust saw head in mitered position
- Vises are equipped with moveable aluminum jaws which can be adjusted vertically
- 3.5/5 Hp blade drive coupled directly to saw head guarantees high rigidity and precision to obtain high chip removal rates.
- Cutting area enclosed behind protective cover which swings up for loading material
- Automatic coolant lubrication activates during the cut
- One carbide tipped blade included

## OPTIONAL FEATURES

- Material stop with ruler
- Foot pedal with e- stop
- T2500 chip collector
- Pneumatic vertical vise
- Roller table & accessories

# PNF350-2CNC

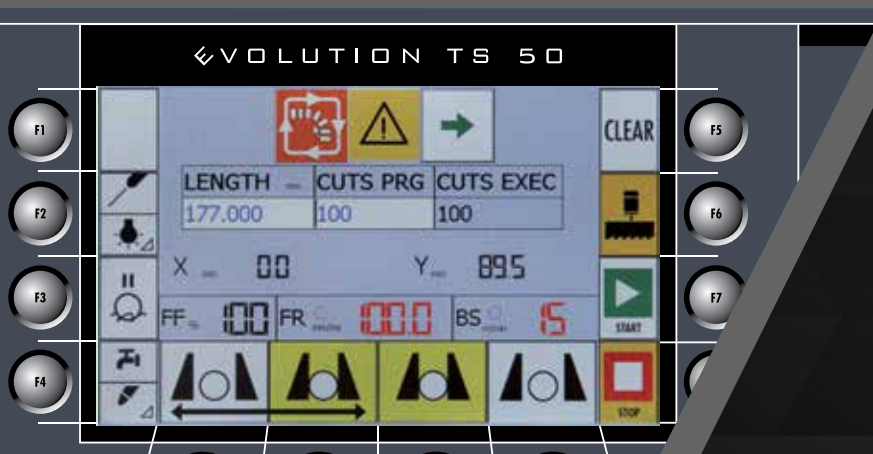
## STANDARD FEATURES

- Automatic and semi-automatic operation
- Shuttle features automatic multi-indexing up 23" in a single stroke with automatic kerf compensation. Powered by ball screw and stepper motor.
- Pneumatic operating saw head feed with regulating dial for feed rate on control panel
- Robust sawing head can tilt 45° left for compound miter cutting
- Two blade speeds achieve speeds of 1700 or 3400 rpm
- Vises are equipped with moveable aluminum jaws which can be adjusted vertically
- Rotating table mounted on large roller bearing to achieve smooth and precise miter cutting. Features stops at 90° and 45° plus screw locking system to lock head at desired degree.
- Two pneumatic operating vises, capable of sliding in or away from the blade to adjust saw head in mitered position

- 3.5/5 Hp blade drive coupled directly to saw head guarantees high rigidity and precision to obtain high chip removal rates.
- Cutting area enclosed behind protective cover which swings up for loading material
- Ergonomically positioned control panel mounted on an articulating arm, with protected membrane buttons for operation control. Includes emergency stop, set or view machine diagnostics and operations such as saw stroke limits and speed, cutting programs, digital display of programs, blade speed, cycle time along with 40 different machine diagnostics and warnings. Store up to 99 jobs.
- One carbide tipped blade included

## OPTIONAL FEATURES

- T2500 chip collector
- Short remnant
- Mist lubrication system
- Roller table & accessories





Photos may show optional equipment.



# SPECIFICATIONS

		P225	P350	C350-2AV	C350-2S
Round Hollow	90°	2 1/2" / 63.5 mm	4 1/2" / 114 mm	4 1/2" / 114 mm	4 1/2" / 114 mm
Square Hollow	90°	2 1/4" / 57 mm	4" / 101 mm	3 3/4" / 95 mm	3 3/4" / 95 mm
Rectangular Hollow (hxl)	90°	2 1/2" x 2" / 63.5 mm x 51 mm	5 1/8" x 3 1/8" / 130 mm x 79 mm	7" x 3 3/4" / 178 mm x 95 mm	7" x 3 3/4" / 178 mm x 95 mm
Blade Drive		1 HP / .74 kW	3 HP / 2.2 kW	3 HP / 2.2 kW	3 HP / 2.2 kW
Blade Speed		50 rpm / 3000 rph	30/60 rpm / 1800/3600 rph	15/30/45/90 rpm / 900/1800/2700/5400 rph	15/30/45/90 rpm / 900/1800/2700/5400 rph
Blade Size		Max. 9" / Max. 228 mm	Max. 14" Min. 12" / Max. 355 mm Min. 305 mm	Max. 14" Min. 12" / Max. 355 mm x Min. 305 mm	Max. 14" Min. 12" / Max. 355 mm Min. 305 mm
Weight		83 lbs. / 38 kg	575 lbs. / 261 kg	827 lbs. / 375 kg	827 lbs. / 375 kg
Dimensions	Width	16 / 406 mm	50" / 1270 mm	47" / 1194 mm	47" / 1194 mm
	Length	20" / 508 mm	46" / 1168 mm	37" / 940 mm	37" / 940 mm
	Height	30" / 762 mm	70" / 1778 mm	80" / 2032 mm	80" / 2032 mm
		C350-2CNC	C370-2SI	C370CNC	CNF400CNC
Round Hollow	90°	4 1/2" / 114 mm	4 3/4" / 121 mm	4 3/4" / 121 mm	5" / 127 mm
Square Hollow	90°	3 3/4" / 95 mm	4 1/3" / 110 mm	4 1/4" / 108 mm	4 3/4" / 121 mm
Rectangular Hollow	90°	7" x 3 3/4" / 178 mm x 95 mm	7" x 3 3/4" / 178 mm x 95 mm	7" x 4" / 178 mm x 101 mm	7" x 4" / 178 mm x 101 mm
Blade Drive		3.5 HP / 2.6 kW	7.5 HP / 5.5 kW	7.5 HP / 5.5 kW	6 HP / 4.4 kW
Blade Speed		15-90 rpm	15-150 rpm	15-150 rpm	1700 and 3400 rpm
Blade Size		Max. 14" Min. 12" / Max. 355 mm Min. 305 mm	Max. 14.5" Min. 12" / Max. 368 mm Min. 305 mm	Max. 14.5" Min. 13.78" / Max. 368 mm Min. 350 mm	Max. 15.5" / Max. 394 mm
Weight		2,332 lbs. / 1,058 kg	1,408 lbs. / 639 kg	2,350 lbs. / 1,066 kg	2,350 lbs. / 1,066 kg
Dimensions	Width	84" / 2133 mm	57" / 1448 mm	97" / 2464 mm	97" / 2464 mm
	Length	47" / 1194 mm	45" / 1143 mm	69" / 1752 mm	70" / 1778 mm
	Height	79" / 2006 mm	75" / 1905 mm	75" / 1905 mm	75" / 1905 mm
		PNF350-2AV	PNF350-2S	PNF350-2CNC	
Round Hollow	90°	4 3/4" / 120 mm	4 3/4" / 120 mm	4 3/4" / 120 mm	
Square Hollow	90°	4" / 101 mm	4" / 101 mm	4" / 101 mm	
Rectangular Hollow	90°	7" x 2 3/4" / 178 mm x 70 mm	7" x 2 3/4" / 178 mm x 70 mm	7" x 2 3/4" / 178 mm x 70 mm	
Blade Drive		3.5/5 HP / 2.6/3.7 kW	3.5/5 HP / 2.6/3.7 kW	3.5/5 HP / 2.6/3.7 kW	
Blade Speed		1700 and 3400 rpm	1700 and 3400 rpm	1700 and 3400 rpm	
Blade Size		Max. 14" / Max. 355 mm	Max. 14" / Max. 355 mm	Max. 14" / Max. 355 mm	
Weight		462 lbs. / 210 kg	615 lbs. / 279 kg	1,267 lbs. / 575 kg	
Dimensions	Width	61" / 1549 mm	44" / 1117 mm	93" / 2362 mm	
	Length	49" / 1244 mm	59" / 1498 mm	67" / 1702 mm	
	Height	68" / 1727 mm	60" / 1524 mm	69" / 1752 mm	

In line with HYDMECH's policy of on-going product improvement, we reserve the right to modify features and specifications.



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