

JATAS Machinery Sales Inc.

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SNC Automatic Saw with Shuttle Vise

- ▢ Model Number : C-1000NC
- ▢ Design Style : Double Column Type

Specifications

Capacity	Round	1000 mm (39.4")
	Square	1000 x 1000 mm (39.4" x 39.4")
Saw Blade	Size (LxWxT)	9400L x 67W x 1.6T (370" x 2.64" x 0.06")
	Speed	15-80 (m/min) (60 Hz) (50-264 ft/min)
	Tension	Hydraulic Controlled
	Guide	Tungsten Carbide Blade Guide (Hydraulic Clamping Force)
	Arm	Hydraulic controlled
	Cleaning	Wire brush with flexible drive shaft driven by brush motor
Motor Output	Blade	15HP (11.25 kw)
	Hydraulic	3 HP (2.2 Kw)
	Coolant	1/4HP (0.2 kw)
Feeding	Mode	Hydraulic automatic, NC programmable, 99 steps
	Single stroke	500 mm
	Multi stroke	Max. 6500 mm (Max. 650")
Tank Capacity	Hydraulic Oil	100 Liter
	Coolant	120 Liter
Rest piece		400 mm
Kerf Compensation		Automatic
Vise Control Method		Hydraulic, Full stroke cylinder
Workbed Height		630 mm (24.8")
Net Weight		11000kgs
Floor Space (L x W x H)		2050 x 4400 x 3500 mm (87" x 173" x 138") (without roller table)

C-1000NC Machine Features

Structure

- Oversized precision ground, large dual columns
- Cross link connecting two columns for enhanced structural strength
- 0.5 degree cant to the bed for longer blade life

Blade Drive

- Specially designed gearbox for high lateral pressure
- Inverter controlled infinitely variable blade speed

Blade Guidance & Lubrication System

- Hydraulically activated carbide blade guides with bearing guides
- Two additional guides to support the blade from the top
- Hydraulically actuated guide arm
- Automatic hydraulic blade tensioning device
- Integral coolant system
- Pitch design for coolant drainage
- Independent power driven wire brush system

Control & Automation

- Smart NC-100 PLC technology
- Programmable up to 100 individual cutting jobs with HMI touch screen
- Automatic kerf loss compensation
- Automatic shutoff after cutting jobs complete or when out of stock
- Precision feed pressure & feed rate dual valve system
- Bundle/single cutting mode switch
- Rapid troubleshooting via error feedback system
- Automatic work height selector & air gap eliminator
- Ergonomically located independent control station

Material Feeding & Clamping

- Vises located on opposite sides of the blade
- Full stroke hydraulic front and rear vises
- Double retracting vise jaws
- Automatic multiple indexing up to 6500 mm (650")
- Heavy-duty ductile cast iron vises with replaceable hardend wear plates
- Roller workbed for smooth material feeding

Safety

- Idle wheel motion proximity switch for sensing blade slippage or breakage
- Interlock design in electrical and hydraulic system
- Conduits protection measure
- "Alert Orange" safety measure

Standard Accessories

- Blade "clip" device for easy blade change
- Additional flushing hose
- Bi-metal saw blade
- Beam light
- Tool box, leveling pads, and an additional wire brush
- Operation & parts manual

*All designs and specifications are subject to change without notice or obligation