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20 Job Programmable Double Miter Band Saws

- ▣ Model Number : **CNC-800DM**
- ▣ Design Style : **CNC Sawing System**

Specifications

Angle			±45°	60°
Max. Capacity	Round	500 mm (20")	450 mm (17.7")	400 mm (16")
	Rectangular(H x W)	400 x 800 mm (16" x 31")	400 x 550 mm (16" x 21")	400 x 400 mm (16" x 16")
Saw Blade	Speed	20-100 m/min (66-330 fpm)		
	Size (LxWxT)	6600L x 54W x 1.3Tmm (260" x 2.1" x 0.050")		
	Tension	Hydraulic Blade Tension (Factory adjusted) (with pressure gauge)		
	Guide	Carbide (Hydraulic Clamping Force)		
	Cleaning	Power Driven Wire Brush		
Motor Output	Saw Blade	7.5 HP (5.6 KW)		
	Hydraulic	3 HP (2.25 KW)		
	Coolant pump	1/2 HP (0.375 KW)		
Hydraulic Tank Capacity	85 L (22.1 gal)			
Coolant Capacity	200 L (52 gal)			
Feeding Stroke	1500 mm (Mlti feeding:6500 mm(650"))			
Work Bed Height	1085 mm (42.7")			
Vise Control Method	Full Stroke Cylinder Vise			
Net Weight	6200 kgs			
Gross Weight	7000 kgs			
Floor Space(LxWxH)	5200 x 3530 x 2725 mm (204.7" x 139" x 107")			
Shipping Space(LxWxH)	5150 x 2285 x 2515 mm (203" x 90" x 99")			

Machine Features

Machine Structure:

- Saw frame miters from +45° to -60° via power gear driven rotating mechanism.
- 10° blade cant is designed specifically for cutting structural steel

Blade Drive:

- *Planetary gear reducer*, which possesses better efficiency than worm gear reducer, offers high transmission efficiency and stable blade tension.
- *Inverter blade drive system* allows infinitely variable blade speeds to be controlled by the operator from the control panel with turn of a knob. The system comes standard with *LED readout* for convenient and accurate setting of blade speed.

Blade Guidance & Lubrication System:

- *Carbide blade guides* are activated *hydraulically* for consistent and correct carbide guide clamping to insure straight cuts.
- The *bearing guides* eliminate blade stress by pre-aligning the blade before it enters the carbide guides.
- *Heavy-duty guide arms* effectively absorb vibration and enhance cutting result. The movable guide arm is *hydraulically actuated* ensuring rapid and accurate movement.
- *Automatic hydraulic blade tensioning device* provides correct blade tensioning when the machine is turned on and will slightly release the tension when the machine is not running.
- *Integral coolant system*. Coolant is supplied at three critical points: exit & entry of blade through blade guides, and middle of cut via *adjustable flex hose*.

Control & Automation:

- *Independent Control Station* is located ergonomically at waist height featuring convenient accessing and ease of operation.
- *Digital Miter Angle Display* – Desired mitering angle is set hydraulically with an easy to read digital angle display to tenth of a degree.
- Use *advance Mitsubishi controller* with the function of programmable automatic swiveling, it is able to set 99 steps for vary cutting pieces, length and angle.
 - *Computerized Numerical Control* features include:
 - Key pad entry of programmable quantity, angle and length of cut with automatic shut-off for finished job(s) or out of stock.
 - Stored program(s) may be easily recalled and executed at will.
 - LCD Screen with Touch Panel Type Key Pad
 - Blade Speed Display
 - Blade Life Indicator
 - Feed Vise Position Display
 - Automatic Kerf Loss Compensation & Automatic Multiple Indexing up to 99M
 - Error Code Display Provides simplified self-diagnostics.
- *Precision proportionate value* for optimal cutting performance in any material.
- *Installed sensors automatically detect top of material, as well as monitor cutting condition of the workpiece.*
- *Guide arm and vises link* automatically move to correct position when executing programmed jobs.

Material Clamping & Feeding:

- *Double Retracting Shuttle Vise Jaws* operate simultaneously in open and close stroke enabling the opened shuttle vise jaws to freely travel along the crooked or miss-aligned stock.
- *Full stroke hydraulic front and rear vises* enable clamping and unclamping of any material from the operator's control station with touch of a button.
- With *two-speed stock feeding design*, the material feed speed can be switched between low and quick modes from the control panel. This allows the operator to quickly move the stock into sawing area then finely adjust to the exact cutting position.
- With *two swiveling speeds*, the saw frame swiveling speeds can be switched between low and quick modes from the control panel.
- *Ductile cast iron vise* with replaceable hardened wear plates.
- *Computerized Numerical Control Multiple indexing* for long cutting lengths of up to 99M maximum length, utilizing full shuttle length every index until desired length is reached.

• **Floor plan**

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