

**JATAS Machinery Sales Inc.**

503 Frontage Ave. W  
 Underwood, MN 56586  
 800-743-2435 / 218-826-6464



**Semi-Automatic Swivel Head Double Mitering**

- ▣ Model Number : SH-700DM
- ▣ Design Style : Double Sides Swivel/Hinge Type

**Specifications**

Angle		0°	±45°	+60°
Max. Capacity	Round	450 mm (17.7")	450 mm (17.7")	300 mm (11.8")
	Rectangular(H x W)	450 x 700 mm (17.7" x 27.5")	450 x 520 mm (17.7" x 20.5")	450 x 300 mm (17.7" x 11.8")
Saw Blade	Speed	20-100 m/min (66-330 fpm)		
	Size (LxWxT)	5800L x 41W x 1.3Tmm (228" x 1.6" x 0.050")		
	Tension	Hydraulic		
Motor Output	Saw Blade	7.5 HP (5.6 KW)		
	Hydraulic	1 HP (0.75 KW)		
	Coolant pump	1/8 HP (0.1 KW)		
Tank Capacity	Hydraulic	45 L (11.7 gal)		
	Coolant	120 L (31.2 gal)		
Work Bed Height		750 mm (29.5")		
Net Weight		2100 kgs (4620 lbs)		
Gross Weight		2400 kgs (5280 lbs)		
Floor Space(LxWxH)		2700 x 3150 x 2720 mm (106.3" x 124" x 107")		
Shipping Space(LxWxH)		2690 x 1750 x 2110 mm (106" x 69" x 83")		

## SH-700DM Machine Features

### Structure

- Swivel sawhead mitering from 90 to 60 degrees; 45 degree to both directions
- Rigid and heavy-duty pivot and trunion
- Sturdy cast work table
- 24.5" solid discharge table with coolant return

### Blade Drive

- Variable speeds from 80 fpm thru 350 fpm
- Infinitely variable blade speed (option)

### Blade Guidance & Lubrication System

- Carbide blade guides with roller bearings
- Two additional bearings to support blade from the top
- Cast iron guide arm supported by heavy-duty cast iron dovetail
- Automatic hydraulic blade tensioning device
- Integral coolant system
- Synchronized blade brush

### Control & Automation

- Precision feed pressure & feed rate dual valve system
- Conveniently designed control station
- Electrical components located inside the control box with main lockout disconnect
- Work height selector
- Industrial rated hydraulic components

### Material Feeding & Clamping

- 620 mm (24.5") solid discharge table with coolant return
- 915 mm (36") infeed roller table
- Horizontal rollers enabling easy material entry
- Full stroke machine vises

### Safety

- Breakage breakage detector
- Motor start interlock
- Orange alert safety design

### Standard Accessories

- Built-in adjustable material stop
- Adjustable work light
- Additional flushing hose
- Bi-metal saw blade
- Tool box, leveling pads, and an additional wire brush
- Operation & parts manual

Design and specifications are subject to change without notice and obligation.

