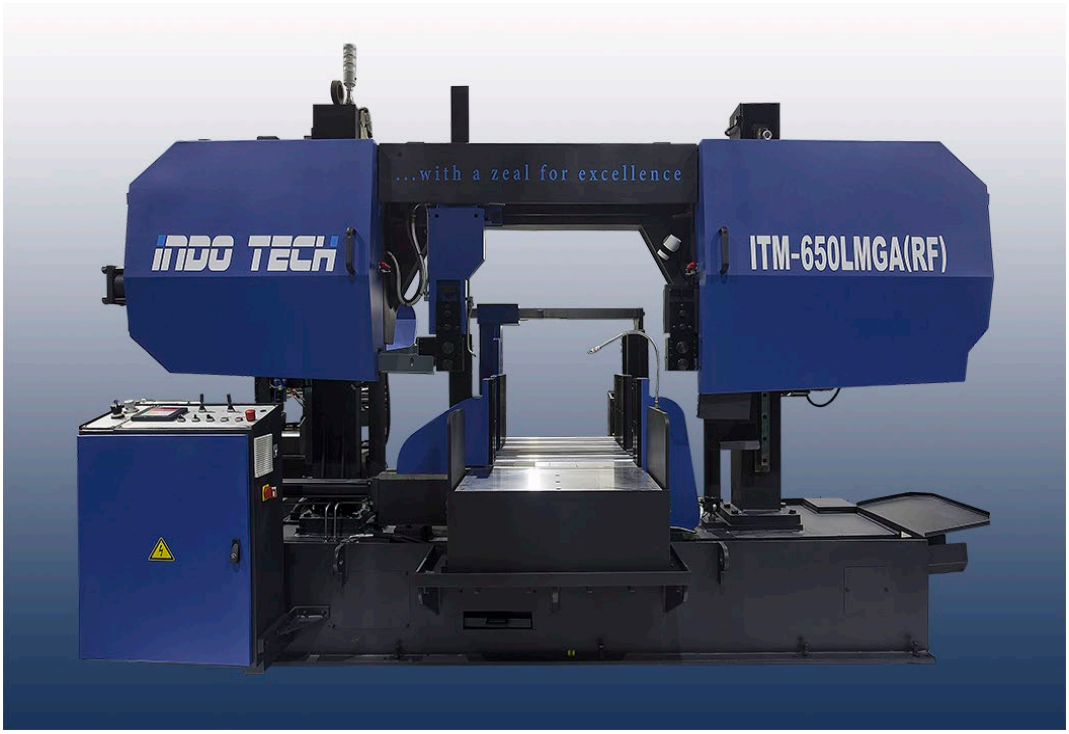
ITM-650 LMGA (RF)



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1. MAIN SPECIFICATIONS

1.1 Technical Specifications

Cutting Capacity

- Round  **650 mm Dia**
- Square  **650 x 650 mm Dia**
- Rectangle  **650 x 650 mm Dia**
- Saw Band Dimensions **8200 x 67 x 1.6 mm**

- Main Motor Power **12.5 HP**
- Hydraulic Motor **2.0 HP**
- Coolant Motor **0.25 HP**
- Cleaning Brush Motor Power **0.16 HP**
- Blade Speed **20-80 Miter/Minutes**

Machine Electrical Equipment

- Supply Voltage **~ 3 x 415V, 50 Hz**
- Protection Degree **IP 54**

1.2 Approximate Machine Dimensions

- Length **4450 mm**
- Width **2200 mm**
- Height **2600 mm**
- Net Weight **6400 Kg**

2. MAIN TECHNICAL FEATURES

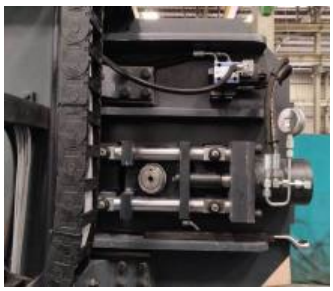
2.1 Columns and Bow

- Bow is made in electro-welded and stabilized steel.
- Bow and main column are filled in with concrete polymer.
- Column pre-welded and machined in single setting for most accurate parallelism.



2.2 Automatic Blade Tensioning

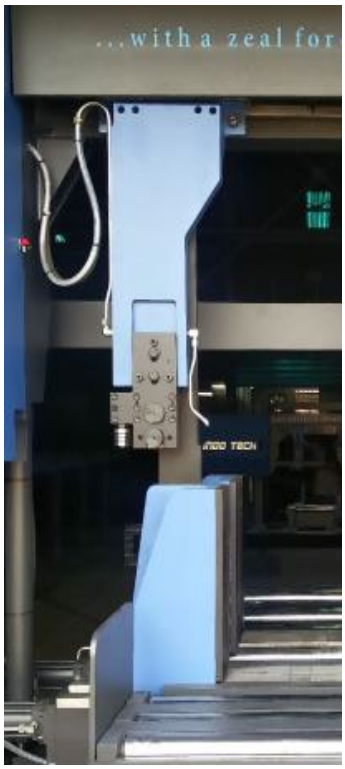
State of the art Four Point Pillar Type Hydraulic Blade Tensioning





2.3 Power Transmission

High efficiency power transmission to Saw through HELICAL GEARED MOTOR



2.4 Blade Guiding

Automatically Adjustable, Dove-tail Type Heavy Duty Movable Blade Guides.

2.5 Bearing Housing

Special bearing housing with heavy duty Cylindrical Roller bearing to isolate the Gear Box from the load of blade tensioning.

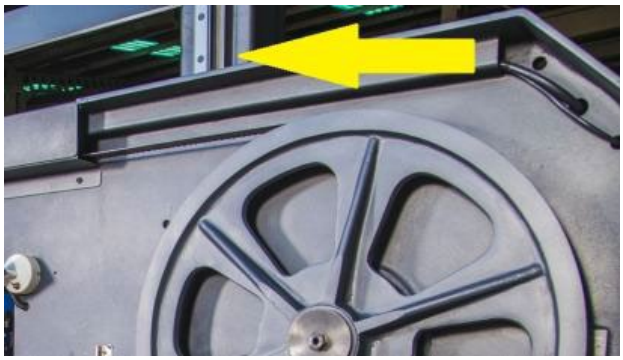


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2.6 Variable Frequency Drive	
A.C. frequency control drive for infinite variation of band speed through control panel.	

2.7 Cycle Sequencing	
Cycle sequencing through PLC and user friendly touch screen for easy operation.	

2.8 Hydraulic Cylinder for Job Clamping	Double acting Hydraulic Cylinder for Main Vice & Shuttle Vice.
	

2.9 Saw Frame Movement	Saw Frame movement on pre-hardened and pre-loaded LM guides for friction free movement.
	

2.10 Floating Vice
Floating Shuttle Indexing Vice for self adjustment in case of uneven jobs.

2.11 Pressure Valve	
Specially designed pressure valve to accurately balance the saw frame during cutting operation depending on material being cut, thereby resulting in much better tool life.	

2.12 Auto Indexing Shuttle

Auto indexing shuttle of stroke length of 600 mm (with Bundle Cutting 550 mm) and synchronized with auto cycle.



2.13 Hydraulic Power Pack

Separate Hydraulic Power Pack for easy maintenance with a tank of 80 Litre.





2.14 Numerically Controlled version for Length Setting

Length setting through Digital Linear Scale along with Sensor with Multiple Batch programming through High End PLC with frequency converter. Length to be set through PLC without any human intervention.

2.15 Electrical Control Panel

Ergonomically designed Electric Control Panel.





2.16 Bar Exhaust Control

Indication of the bar being exhausted on the machine in auto mode.