ITM-1050 LMGS



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1. MAIN SPECIFICATIONS

1.1 Technical Specifications:

- Cutting Capacity
  - Round ● **1050 mm Dia**
  - Square ■ **1050 x 1050 mm Dia**
  - Rectangle ▭ **1050 x 1050 mm Dia**
- Saw Band Dimensions **10650 x 67 x 1.6 mm (80 mm optional, if required.)**
- Main Motor Power **15.0 / 20.0 HP**
- Hydraulic Motor **3.0 HP**
- Coolant Motor **0.25 HP**
- Cleaning Brush Motor Power **0.16 HP**
- Blade Speed **50-300 Miter/Minutes**
- Machine Electrical Equipment:
  - Supply Voltage **~ 3 x 415V, 50 Hz**
  - Protection Degree **IP 54**

1.2 Approximate Machine Dimensions:

- Length **4800 mm**
- Width **1750 mm**
- Height **3500 mm**
- Net Weight **8100 Kgs**

2. MAIN TECHNICAL FEATURES

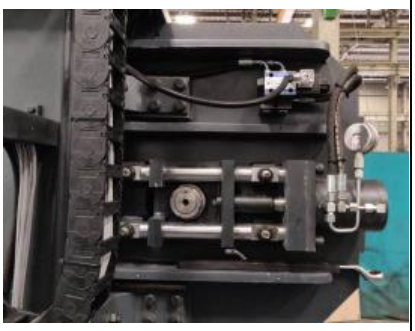
2.1 Columns and Bow

- 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 Bearing Housing

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







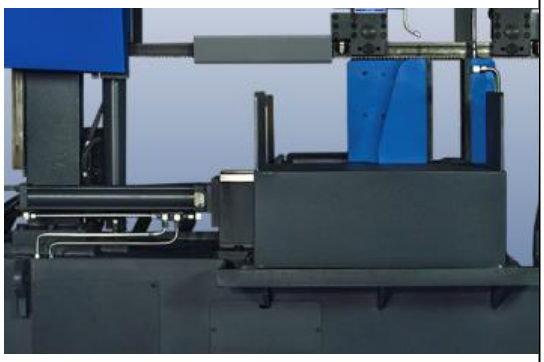
2.5 Blade Guiding

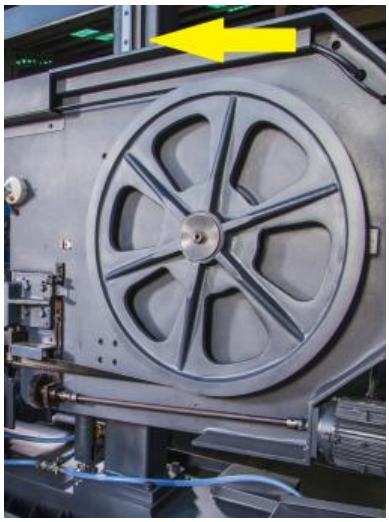
Automatically Adjustable, Dove-tail Type Heavy Duty Movable Blade Guides.

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

2.8 Hydraulic Cylinder	Double acting Hydraulic Cylinder for Main Vice.
	

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

2.10 Electrical Control	
Ergonomically designed Electric Control Panel.	

	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.