



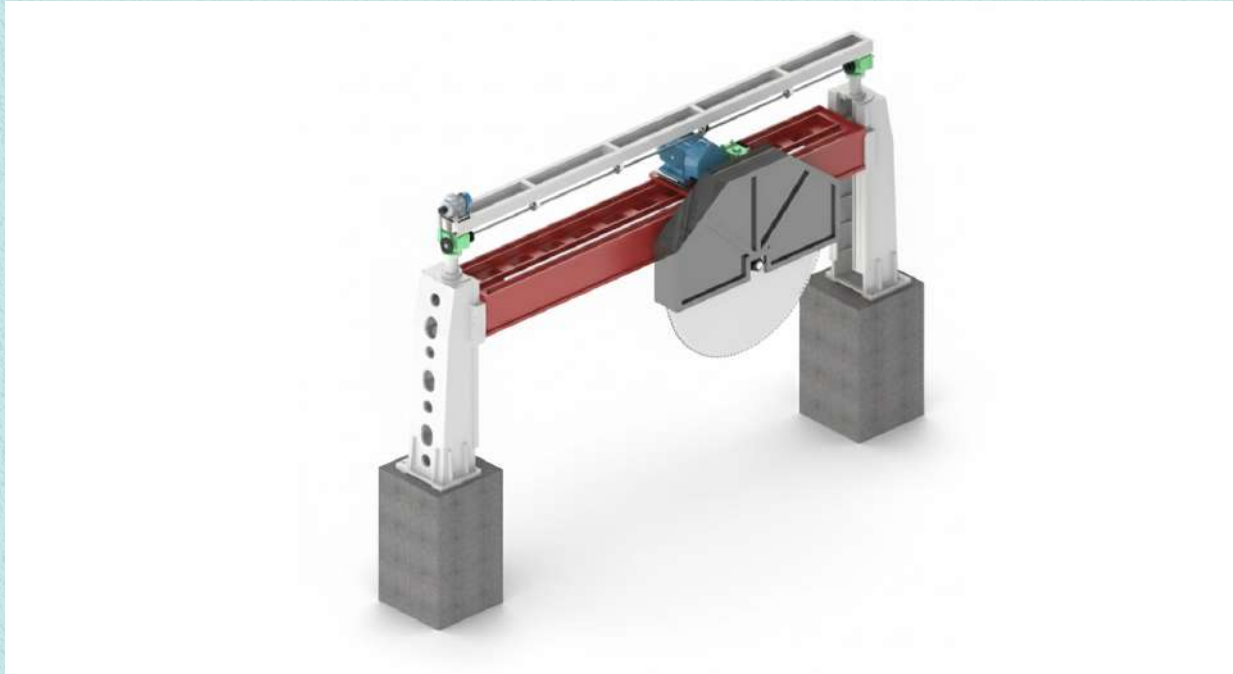
RADHIKA MACHINE TOOLS

RADHIKA MACHINE TOOLS IS THE SMARTEST INVESTMENT
FOR MAXIMUM PRODUCTIVITY AND UNMATCHED QUALITY



BUILT ON **PRECISION**
REFINED BY **DESIGN**
FLEXIBLE BY **QUALITY**

MONO BLADE CUTTER



FEATURES

- Robust.
- Maintenance Free.
- Record Production Capacity.

OPTIONAL

- 360° Rotating Trolley.
- Customized Trolley Sizes.

CONTROL PANEL

- Control panel with ac drive counter type.
- Automatic slab thickness option available.

TECHNICAL INFORMATION

Model/Model AVBC	POWER (HP/RPM)			MAX CUTTING				MOTION				
	Main Motor	Up/ Down	Left/ Right	Height (inch)	Length (inch)	Controlled Axis	Beam Length	Up/ Down	CT	LT	Mechanical Weight (Ton) Approx	Structure
2.5 Mtr. (Regular)	40/960	3/960	3/1440	39	144	2	20 ft	Screw	V Slide	Trolley	12	Cast Iron
3 Mtr. (Regular)	50/960	5/960	5/1440	49	144	2	21.5 ft	Screw	V Slide	Trolley	14	Cast Iron
PANEL TYPE-COUNTER TIME												

CHALLENGER B-7 / B-10



FEATURES

- PLC Type Panel
- Robust Design
- Heavy Duty Beam

HIGHLIGHTS

- Benefit for Small Size Stone Blocks.
- Side Entry Technology
- Accurate Cutting

OPTIONAL

- Customized Trolley Sizes.

TECHNICAL INFORMATION

Model / Variants	Blade Set Sizes (Dia. Mtr.)	Total No. of Blades	Max. Usefull cutting Black Size (Mtr.)			M/C Beam Length (Mtr.)	Installed Motor Power				Electrical		
			Length	Width	Height		Blade Spindle	X Axis	Y Axis	Z Axis	Panel Type	Cables Make	Protection
CHALLENGER B-7	2.4/2.5	7	3.657	2.438	1.066	8.8 Mtr.	60 HP/ 960	3 HP	2 HP	3 HP	PLC	LAPP / HELU KABEL GERMAN MAKE	IP 54/55
CHALLENGER B-10	2.4/2.5	10	3.657	2.438	1.066	8.8 Mtr.	75 HP/ 960	5 HP	2 HP	3 HP	PLC	LAPP / HELU KABEL GERMAN MAKE	IP 54/55

CHALLENGER B-14



FEATURES

- PLC Type Panel.
- Robust Design.
- Heavy Duty Beam

HIGHLIGHTS

- Benefit for Large Size Stone Blocks.
- Side Entry Technology
- Accurate Cutting

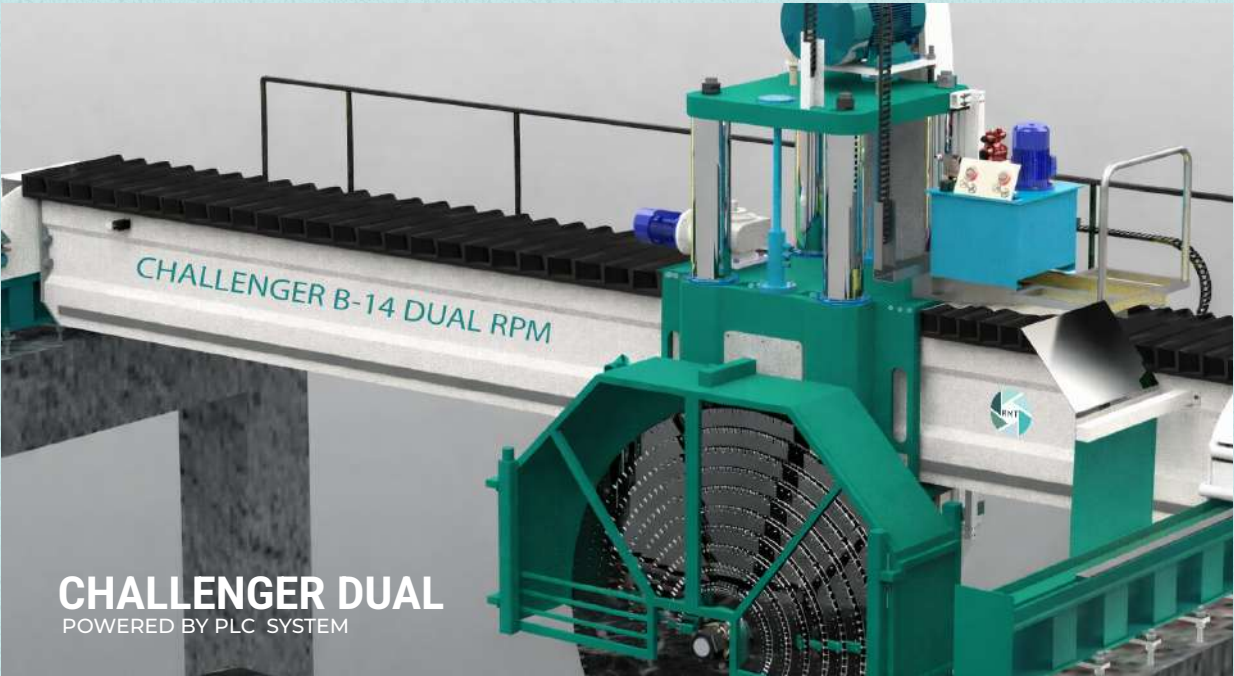
OPTIONAL

- Customized Trolley Sizes.

TECHNICAL INFORMATION

Model / Variants	Blade Set Sizes (Dia. Mtr.)	Total No. of Blades	Max. Usefull cutting Black Size (Mtr.)			M/C Beam Length (Mtr.)	Installed Motor Power				Electrical		
			Length	Width	Height		Blade Spindle	X Axis	Y Axis	Z Axis	Panel Type	Cables Make	Protection
CHALLENGER B-14	2.4/2.5	14	3.657	2.438	1.066	8.8 Mtr.	120 HP/ 960	5 HP	2 HP	3 HP	PLC	LAPP / HELU KABEL GERMAN MAKE	IP 54/55

DUAL RPM SERIES



FEATURES

	CHALLENGER B-14 DUAL RPM
Mud Protection Cover's	Cloth Fabric / Cloth Fabric
X Axis	Bellow Cover
Y Axis	Green Sheet
Z Axis	Cloth Fabric
Cable's	LAPP (German Make) / HELU KABEL (German Make)
X-Y-Z Axis	Drag Chain / Drag Chain
Bearing	Japanese NTN / NACHI / KOYO
Block Feeding Trolley - 2 Nos.	9X7 Feet Manual / 9X7 Feet Manual
Blade Handling System	Electric Jib Hoist (500 kg)
Slab Thickness Spacers	1 Set (For Slab 16 mm to 20 mm)
Panel Cabinet	Automatic PLC Based Panel (Equipped with German Std. Electrical)



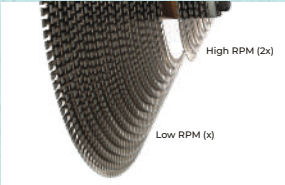
MAIN MOTOR



LINEAR BEARING



U-SHAPE MAIN BOX



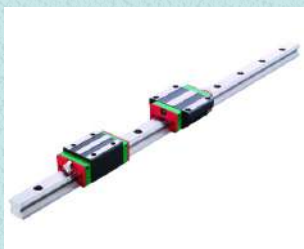
DUAL RPM SERIES

MULTI BLADE BLOCK CUTTER RMT G-5 / G-7

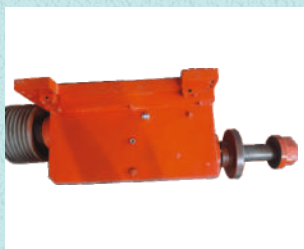
Heavy Duty Casted beam and Pillars used for robust life and performance. Linear guide ways bearing technology used for smooth left right movement of cutter that provides high speed and accuracy. Gear housing with double helical gear provides strength during cutting hard granite block.



G-5



LM BEARING TECHNOLOGY



GEAR HOUSING



G-7

TECHNICAL INFORMATION

Model	Blade Max Diameter (mm)	Number od Blades	Length of beam (mm)	Dimensions of trolley (mm)	Max Cutting Size L x H x W (mm)	Spindle Drive Motor (H.P.)	Gross Weight (Tons)
RMT G-5 2300	2300	5	6100	2700 x 1850	3500 x 1000 x 1800	50 H.P. / 960 RPM	14
RMT G-7 2400	2400	7	7300	2700 x 1850	3500 x 1000 x 1800	60 H.P. / 960 RPM	16.5

SLAB AUTO POLISHING MACHINE

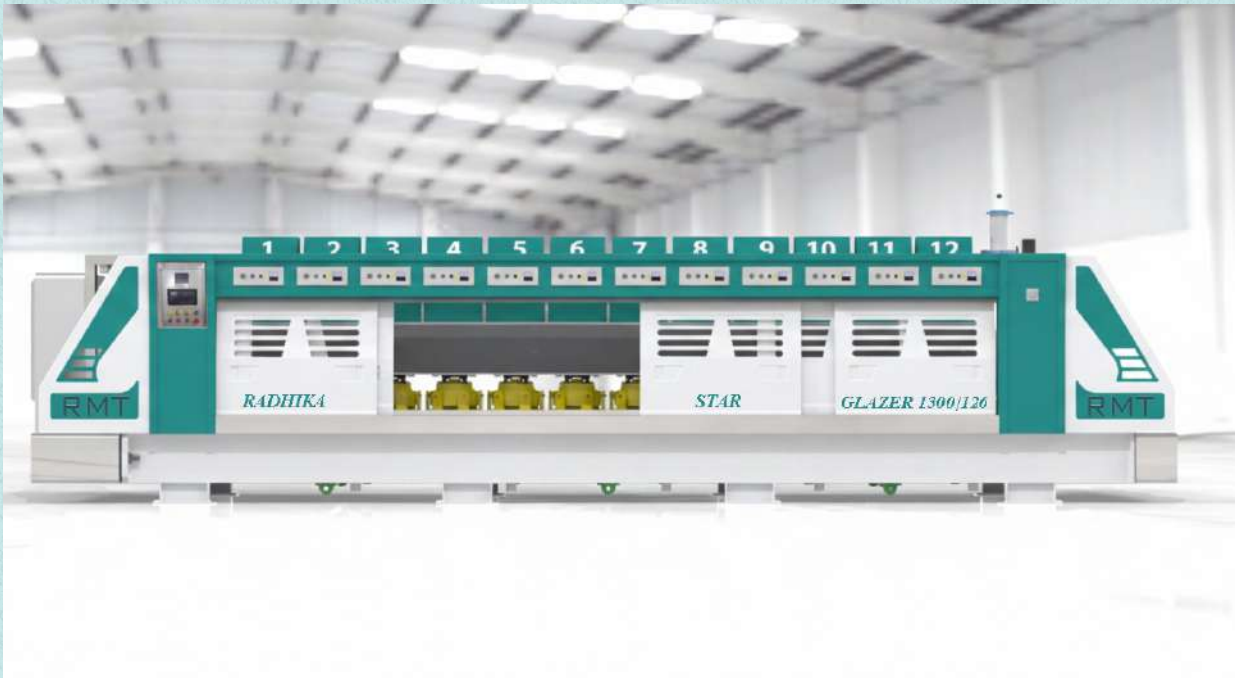
PLC Controlled, Auto polishing machine, With Touch Screen Operator Panel, Suitable Mounting Upto 6 Bricks Flicker Head.

MACHINE WITH ACCESSORIES

S.No.	Description
1	M.S. Fabricated Beam and Structure
2	Left and Right motor 2 H.P.
3	Main Motor - 7.5 HP / 10 H.P. / 12.5 H.P.
4	Reverse / Forward Motor - 2 H.P. / 3 H.P.
5	Control Panel
6	Fitting Included



LINE POLISHING MACHINE



FEATURES

- Heavy Duty Housing Assembly
- Heavy barrel & Spline system
- Best quality conveyer belt
- Low power consumption
- Low abrasive cost
- High quality paint
- High Productivity
- Heavy Structure
- Autolubrication System

HIGHLIGHTS

- DELTA PLC & HMI
- All Switch Gears SCHNEIDER
- Panel is placed behind the machine.

TECHNICAL INFORMATION

Model / Variants	No. of Heads	Max. Polishing (mm)		Power (hp/Nm)				Motion		Electrical	
		Thickness	Width	Bridge	Conveyor	Types of Heads	Conveyor	Bridge	Up/Down	Panel Type	Cables Make
LPM 1300/ 9/6	9	50	1300	10 HP	2	CO. M.E.S - Italy Flicker Type	Gear Motor Unit	Roller Cage Slides	Pneumatic Cylinders	PLC	LAPP / HELU KABEL GERMAN MAKE
LPM 1300/ 12/6	12	50	1300	12.5 HP	3	CO. M.E.S - Italy Flicker Type	Gear Motor Unit	Roller Cage Slides	Pneumatic Cylinders	PLC	LAPP / HELU KABEL GERMAN MAKE

STONE SHOT BLASTING MACHINE



STONE / MARBLE SHOT BLASTING MACHINE

This Machine used to clean, roughen, or polish stone or marble surfaces by propelling abrasive materials at high velocity.

TECHNOLOGY

Automatic Wheel Blasting

WORKING SYSTEM

It's a specialized equipment designed for the surface treatment of stone and marble products. It utilizes abrasive blasting to remove surface contaminants, roughen the surface texture, and enhance the appearance of natural stone and marble surfaces.



GANTRY CRANE



FEATURES

- Safe flange beam joint, suitable to normal size container / shipment.
- Higher service/safety factor crane duty components.
- 8 wheel Bogie Type L.T. Arrangement.

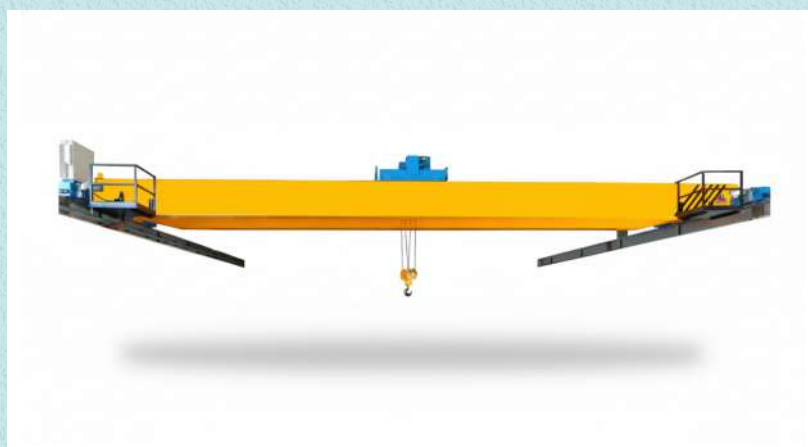


TECHNICAL INFORMATION

Weight Capacity (Tons)	Type Size	OH Size (Mtr.)	Standard			Main Hoist (Mtr./Min)		LT (Mtr./Min)		CT (Mtr./Min)		Panel Type
			Span Size Mtr.	Height of Left Mtr.	Duty Class	Single Speed	Double Speed	Single Speed	Double Speed	Single Speed	Double Speed	Type
30	WOH	-	9	6	M4	1.2	OPTIONAL	8	Optional	10	Optional	Standard
40	OH	3.8	12	6	M4	1.2		8	Optional	10	Optional	Standard
50	OH	4	15	6.5	M5	1.2		8	Optional	10	Optional	Standard
60	OH	7	25	7	M5	1.2		8	Optional	10	Optional	Standard

FEATURES

- Safe flange beam joint, suitable to normal size container/shipment.
- Higher service/safety factor crane duty components.



TECHNICAL INFORMATION

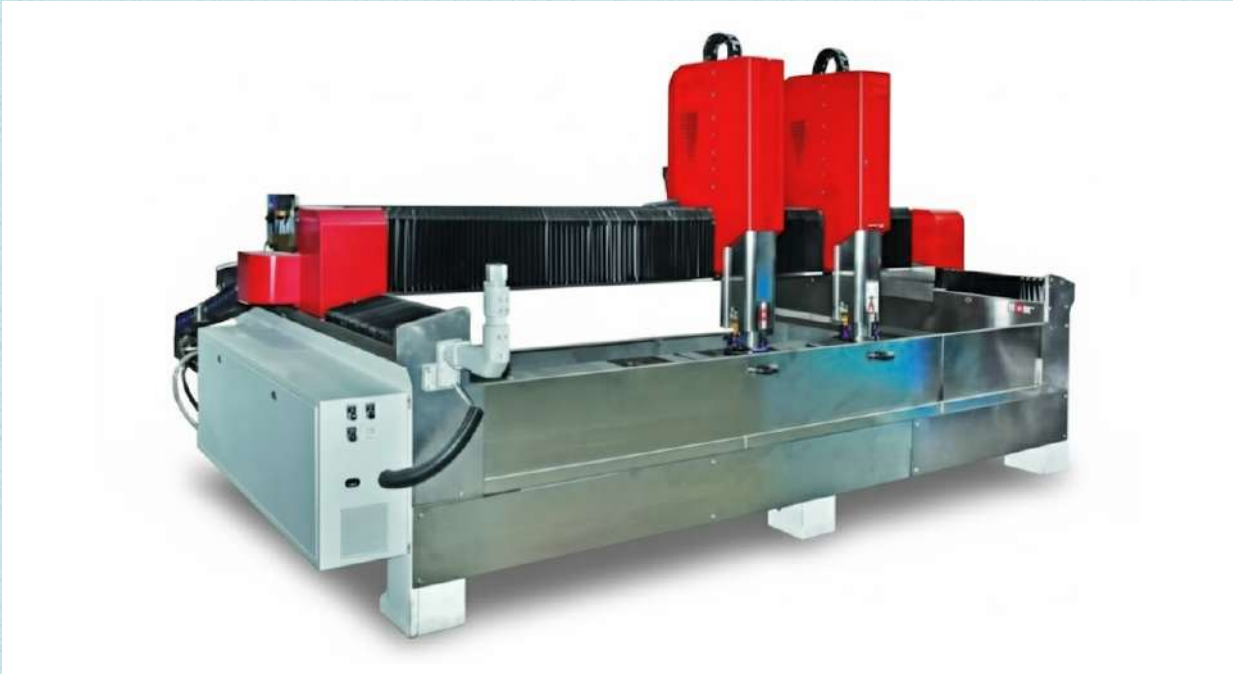
Weight Capacity (Tons)	Standard			Main Hoist (Mtr./Min)		LT (Mtr./Min)		CT (Mtr./Min)		Panel Type
	Span Size Mtr.	Height of Left Mtr.	Duty Class	Slow Speed	Fast Speed	Slow Speed	Fast Speed	Single Speed	Fast Speed	Type
5	20	6.5	M 5	0.66	4	5	20	5	20	Standard
10	20	6.5	M 5	0.66	4	5	20	5	20	Standard

BRIDGE TYPE EDGE CUTTING MACHINE



AUTOMATED BRIDGE TYPE CUTTING MACHINE STONLITE-600 / 700 / 800

Particular	Value / Spec
Trolley Length / width	3200/1850mm
Cutter Size	300-600mm
Overall Dimension	6000 x 4700 x 3300 mm
Workable Rotation Range	0-90 Deg. / 0-360 Deg
Trolley	Tilting up to 85 degree (Hydraulic)
Working Voltage	AC 415V/3HP, 50 Hz
Main Spindle Motor	18.5 KW – IP 66 with VFD
Left/Right Servo motors	1.5 KW with Servo motor with servo planetary gearbox.
Fwd./Rev. Servo Motors	1.5 KW with Servo motor with servo planetary gearbox.
Trolley Tilting (Hydraulic Motor)	2.2 Kw
Spindle Up/Down Motor	1HP motor with VFD
Machine Weight	7000 Kg
Oil Lubrication Motor	.37 KW
Profile Cutting	Not Applicable
Total Power Consumption	24.KW
Control Panel	Fully Automatic PLC Panel
Rack & Pinion	High Precision Helical Racks & pinion.
Max. Cutting Height	220 mm



CNC Engraving / Router Machines

TECHNICAL INFORMATION

Parameter	Example Machine / Model
Working area	1500x2500x300mm
cooling type	water cooled spindle/air cooled spindle optional
Spindle power	5.5 kw/7.5
Spindle rotating speed	18000rpm/24000rpm
Power (except spindle power)	6.8KW (include powers of motors, drivers, inverters and so on)
Power supply	3phase 380v/220v, 50 Hz
Worktable	T slot table with water tank
Locating precision	<0.03mm
Min shaping character	Character 3x3mm,letter 1x1mm
Control configuration	Mach3/ DSP/ NK260/ Syntec 6MA control system optional
System environment	Via computer/ its own panel
Spindle cooling way	Water cooling by water pump/ Air cooling by fan inside spindle
Graphic format supported	G code *.u00, * mmg, * plt, *.nc
Compatible software	ARTCAM,UCANCAM ,Type3 and other CAD or CAM softwares....
Cutting thickness	0-40mm also (depends on different material)

