

**RADHIKA  
MACHINE TOOLS**

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



## RADHIKA MACHINE TOOLS

### UNIT - 1

Plot No. 06, Khasra No. 155/1, Ram Nagar,  
Industrial Area, Sangriya, JODHPUR, Raj. 342008

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[www.radhiakamachinetools.com](http://www.radhiakamachinetools.com)

### UNIT - 2

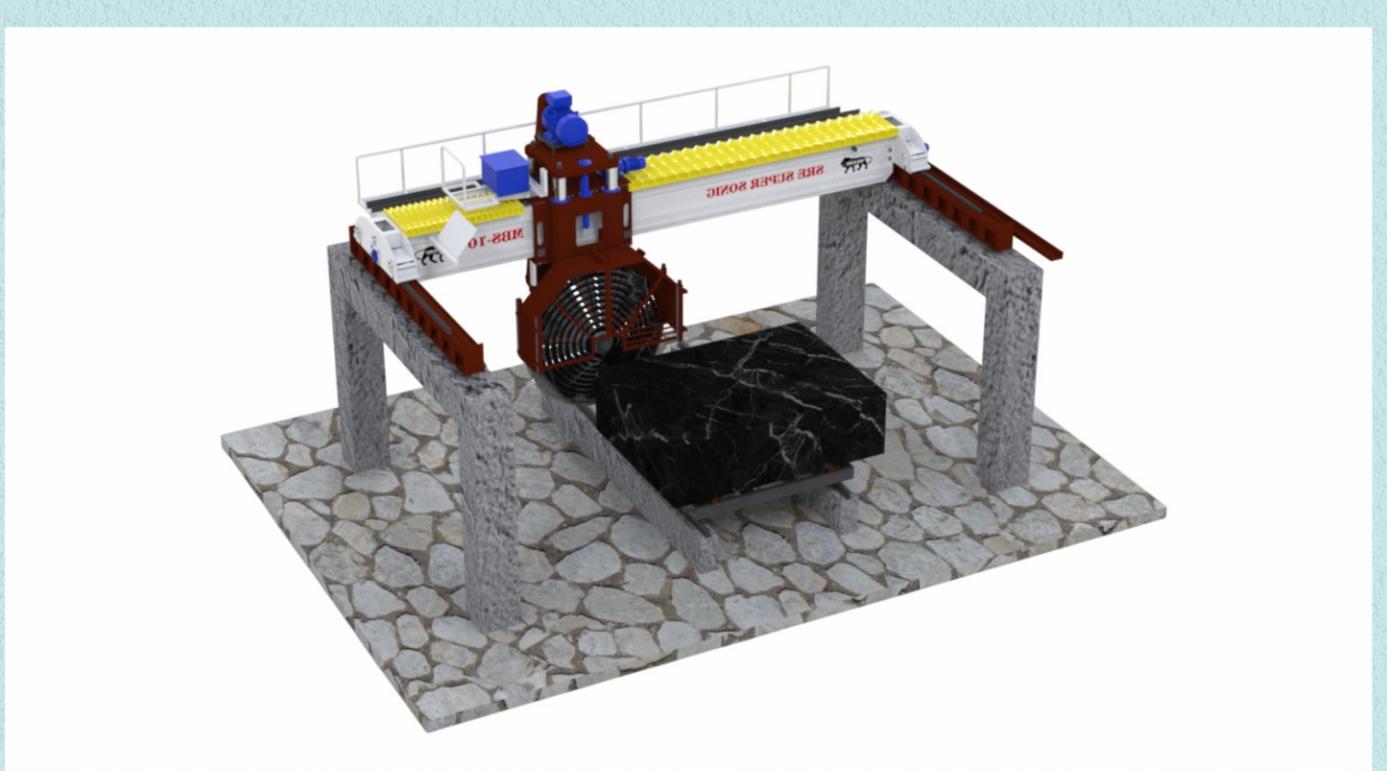
J-65, RIICO, 1st Phase, Industrial Area,  
Sangriya, JODHPUR, Raj. 342008

BUILT ON PRECISION  
REFINED BY QUALITY  
FLEXIBLE BY DESIGN

## CHALLENGER B-7

## DUAL RPM SERIES

LATEST REVOLUTIONARY BLOCK CUTTING



### FEATURES

- PLC Type Panel
- Robust Design
- Heavy Duty Beam

### HIGHLIGHTS

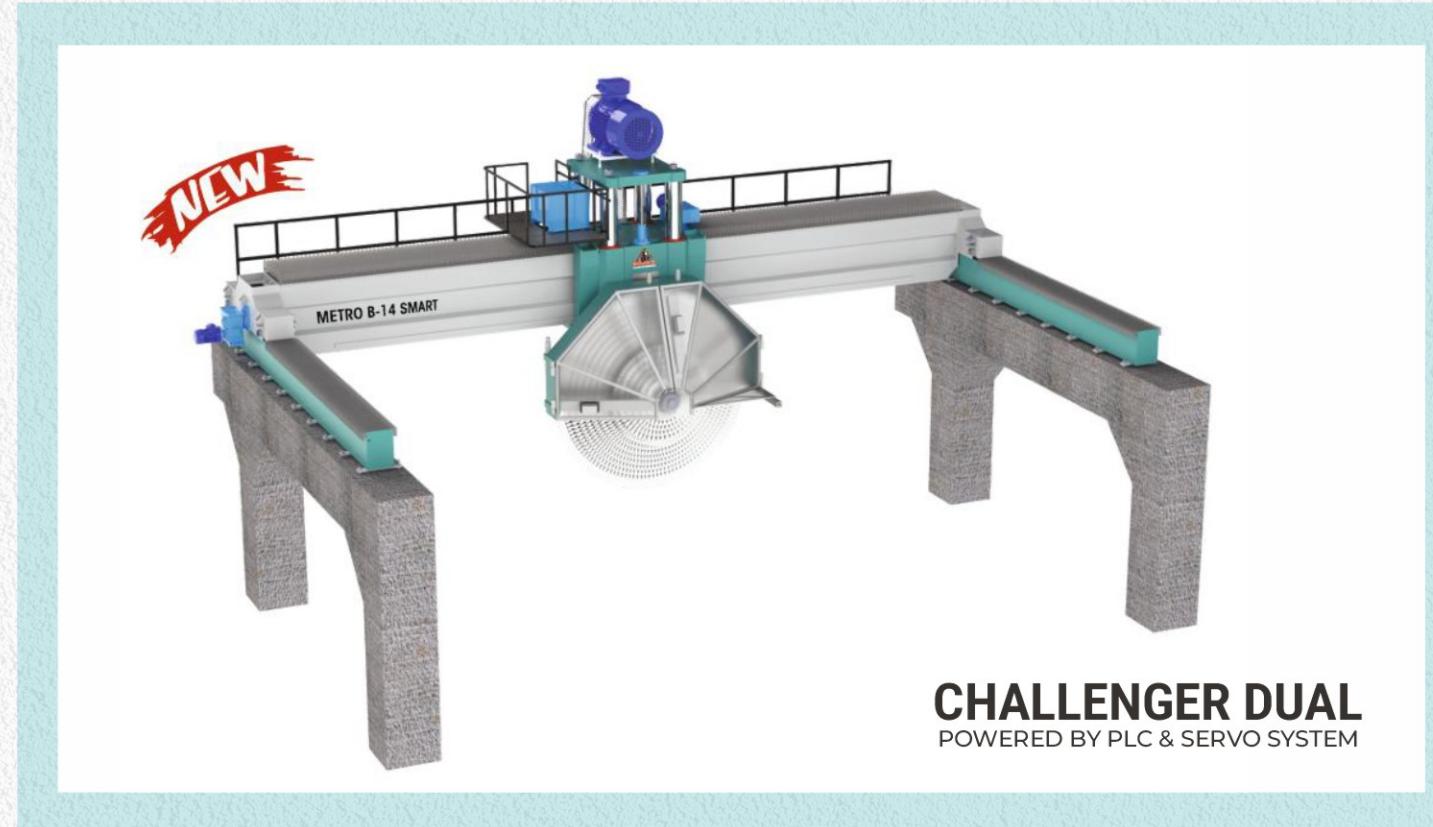
- Benefit for Small Size Stone Blocks.
- Side Entry Technology
- Accurate Cutting

### OPTIONAL

- Customized Trolley Sizes.

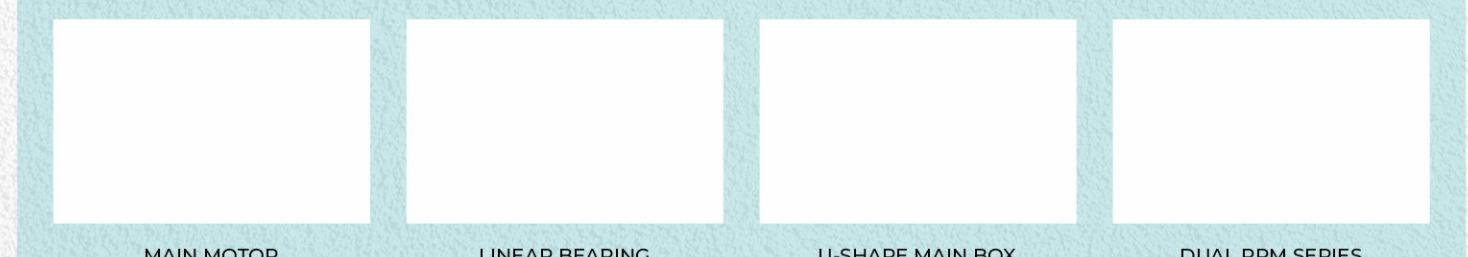
### TECHNICAL INFORMATION

Model / Variants	Blade Set Sizes (Dia. Mtr.)	Total No. of Blades	Max. Useful 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
Metro 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	IGUS GERMAN MAKE	IP 54/55



### FEATURES

	Metro B-21 / Metro B-14
Mud Protection Cover's	Cloth Fabric / Cloth Fabric
X Axis	Bellow Cover / Cloth Fabric
Y Axis	Green Sheet / Cloth Fabric
Z Axis	Parachute Fabric Bellow / Parachute Fabric Bellow
Cable's	LAPP (German Make) / IGUS (German Make)
X-Y-Z Axis	Drag Chain / Drag Chain
Bearing	Japanese NTN / NACHI
Ball Screw	Available / NA
Block Feeding Trolley - 2 Nos.	9X7 Feet Manual / 9X7 Feet Manual
Blade Handling System	Electric Jib Hoist (500 kg) New Feature / NA
Slab Thickness Spacers	1 Set (For Slab 16 mm to 20 mm) / 1Set (For Slab 16 mm to 20 mm)
Panel Cabinet	Automatic PLC Based Panel (Equipped with German Std. Electrical)



MAIN MOTOR

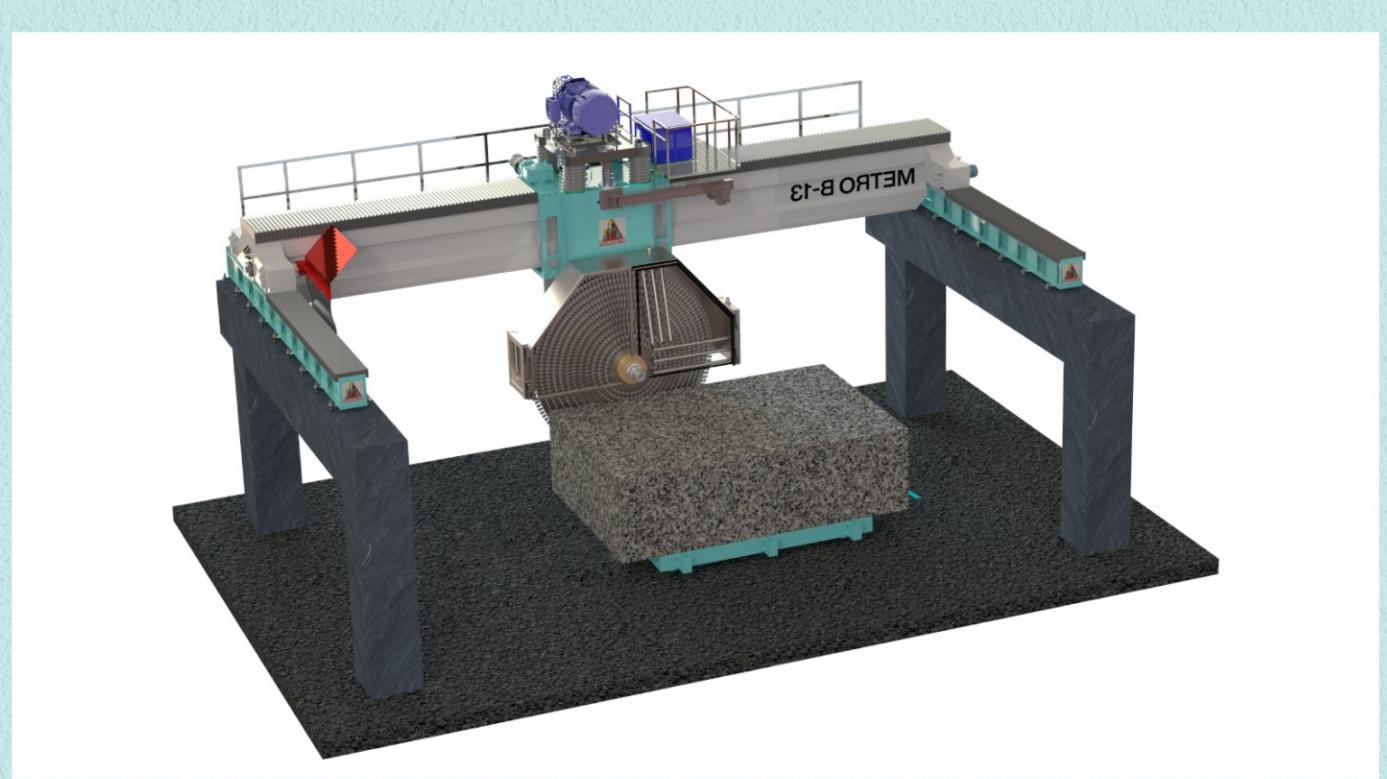
LINEAR BEARING

U-SHAPE MAIN BOX

DUAL RPM SERIES

## CHALLENGER B-10

## MONO BLADE CUTTER



### FEATURES

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

### HIGHLIGHTS

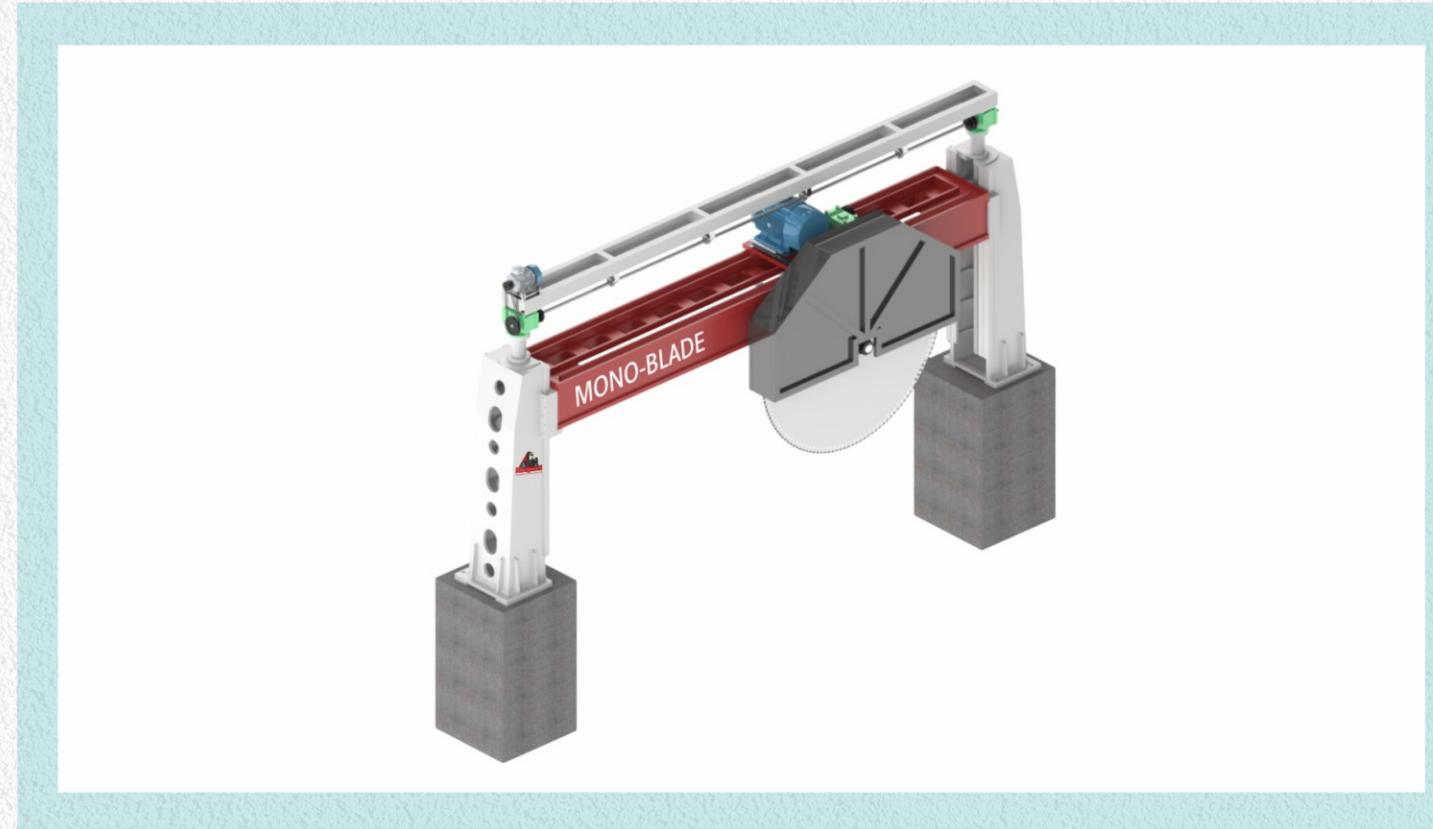
- Benefit for Small Size Stone Blocks.
- Side Entry Technology
- Accurate Cutting

### OPTIONAL

- Customized Trolley Sizes.

## TECHNICAL INFORMATION

Model / Variants	Blade Set Sizes (Dia. Mtr.)	Total No. of Blades	Max. Useful 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
Metro 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	IGUS GERMAN MAKE	IP 54/55



### FEATURES

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

### OPTIONAL

- 360° Rotating Trolley.
- Customized Trolley Sizes.

## 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 Mir. (Fully Loaded)	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 ft	Screw	V Slide	Trolley	12	Cast Iron	

PANEL TYPE-COUNTER TIME

## LIME 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

### 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 1300/96	16	60	1300	12.5 HP	2	CO. MES - Italy Flicker Type	Gear Motor Unit	Roller Cage Slides	Pneumatic Cylinders	PLC	LAPP (German Make)

## 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.

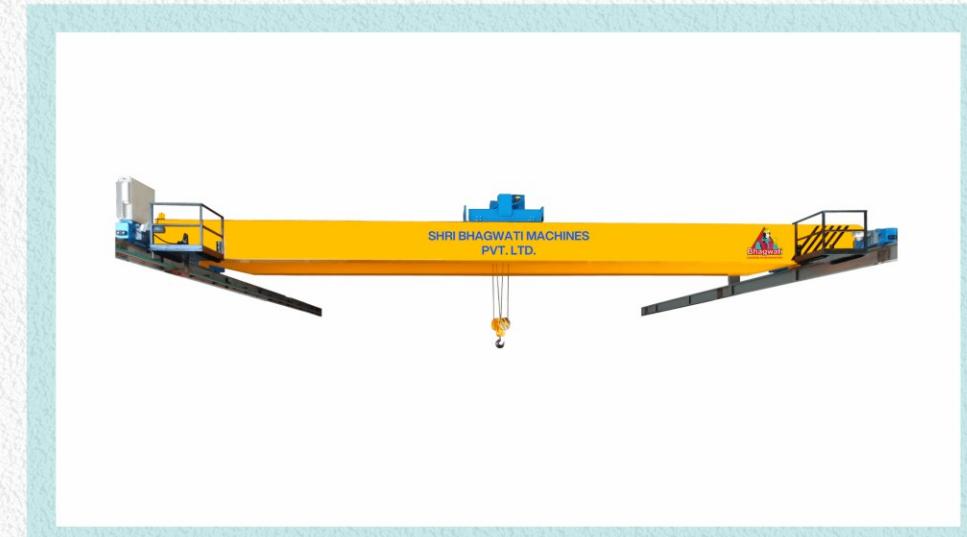


### TECHNICAL INFORMATION

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	
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	
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

## STONE SHOT BLASTING MACHINE

## MONO BLADE CUTTER



### STONE / MARBLESHOT 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

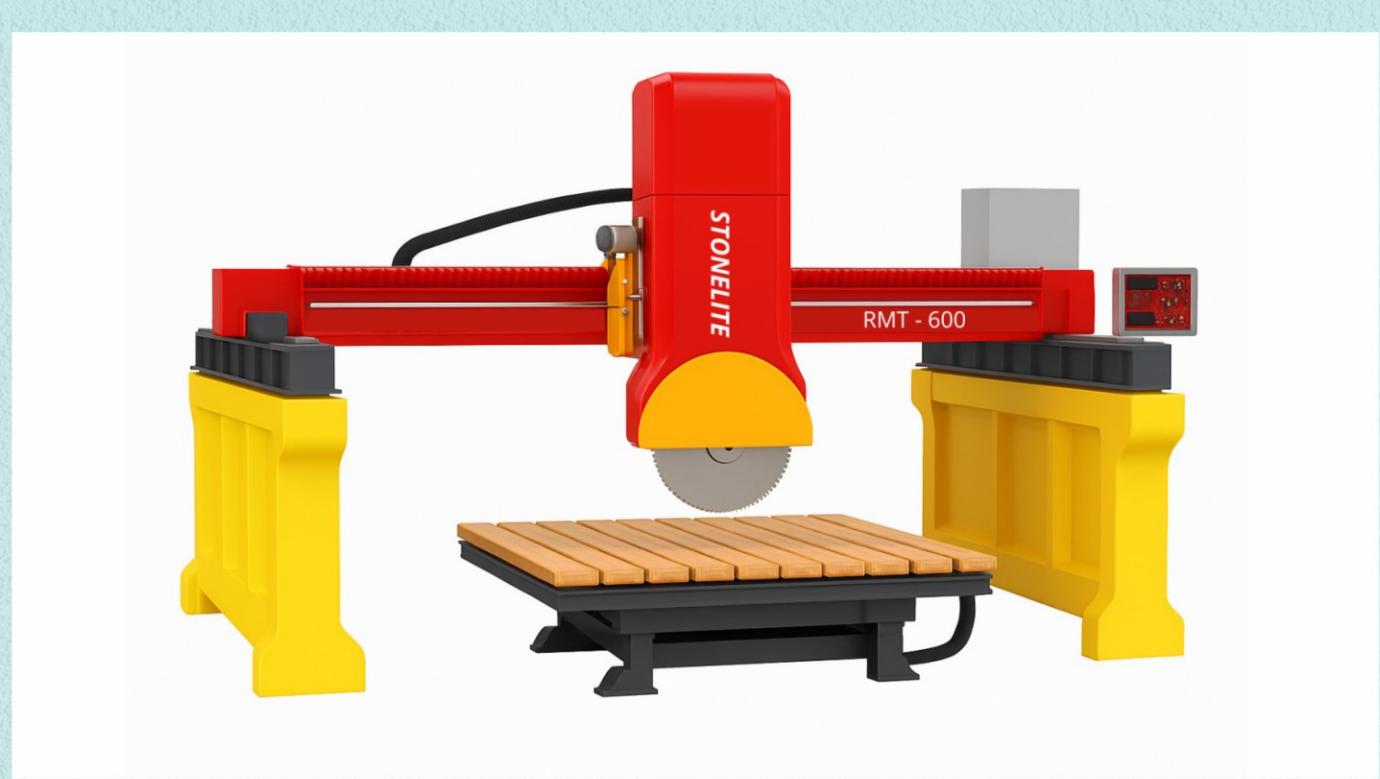
### WORKING SYSTEM

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.

### Sample Data / Specifications of "3000-class" CNC Engraving / Router Machines

### TECHNICAL INFORMATION

Parameter	Example Machine / Model	Value / Spec
Working area / travel (X × Y × Z)	Jinzuhan 3000 × 1500 CNC Router	3000 × 1500 mm (workable - 2500 × 1400 mm)
Spindle power / type	Jinzuhan 5.5 kW spindle (for 3000 × 1500 model)	
Spindle speed	6,000 – 24,000 rpm	
Positioning / repeatability accuracy	±0.03 mm positioning, ±0.02 mm repeatability	
Motion / feed speed	(varies) - e.g. some routers in "3000-series" have rapid traverse up to 2,500 IPM (≈ 63,500 mm/min)	
Drive / rails	Linear guide rails on X, Y, Z axes (often branded such as HIWIN)	
Control system / interface	G-code / HPGL support, USB / offline operation, compatibility with CAM software like ArtCAM, UcanCAM etc.	



## AUTOMATED BRIDGE TYPE CUTTING MACHINE STONLITE-600

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

PLC Controlled, Automatic edge cutting machine, With Touch Screen Operator Panel,Suitable Mounting Upto 5 Bricks Flicker Head.

## MACHINE WITH ACCESSORIES

S.No.	Description			Qty.
1.0	AUTOMATIC EDGE CUTTING MACHINE (PLC Based)			1 Nos.
1	1.1	M.S. Fabricated Beam and Structure		1 Nos.
2	1.2	Left and Right motor 2 H.P.		1 Nos.
3	1.3	Main Motor 7.5 HP		1 Nos.
4	1.4	Up and Down Motor 01 H.P.		1 Nos.
5	1.5	Control Panel		1 Nos.
6	1.6	Fitting Included		1 Nos.