



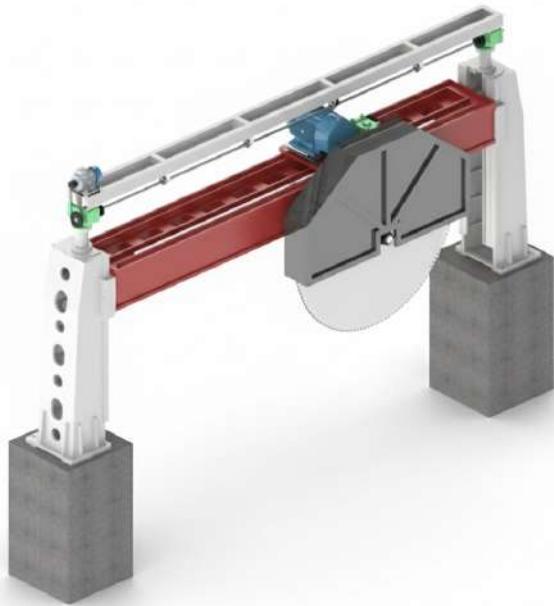
RADHIKA MACHINE TOOLS

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. 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 |
| 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

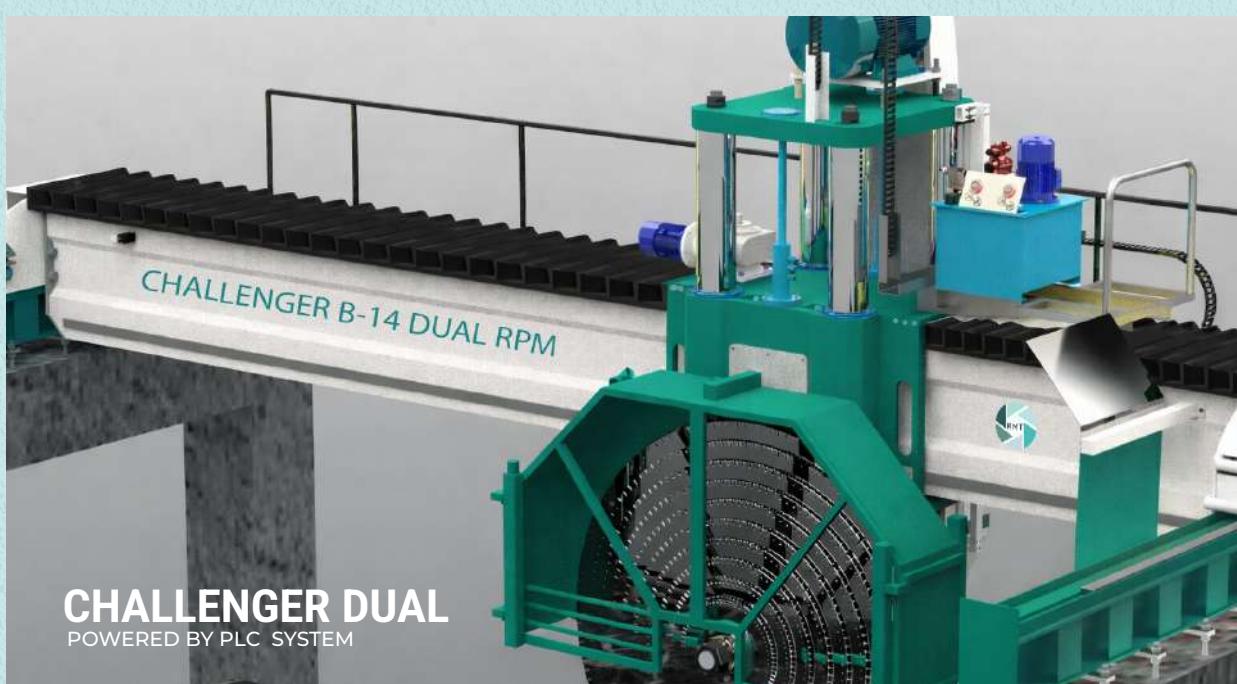
OPTIONAL

- 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



CHALLENGER DUAL
POWERED BY PLC SYSTEM

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) |



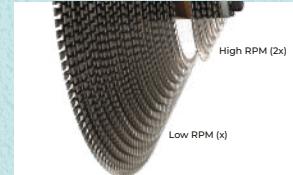
MAIN MOTOR



LINEAR BEARING



U-SHAPE MAIN BOX



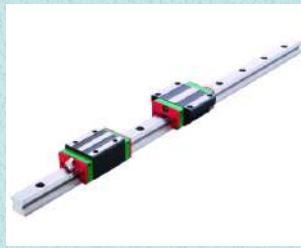
DUAL RPM SERIES

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

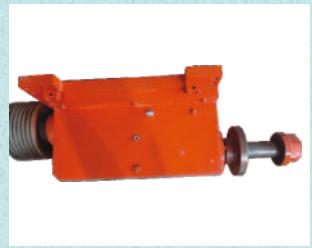
Heavy Duty Casted beam and Pillars used for robust life and performance. Linear guide ways bearing technology used for smooth left right movement of cutter that provides high speed and accuracy. Gear housing with double helical gear provides strength during cutting hard granite block.



G-5



LM BEARING TECHNOLOGY



GEAR HOUSING



G-7

TECHNICAL INFORMATION

| Model | Blade Max Diameter (mm) | Number of 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

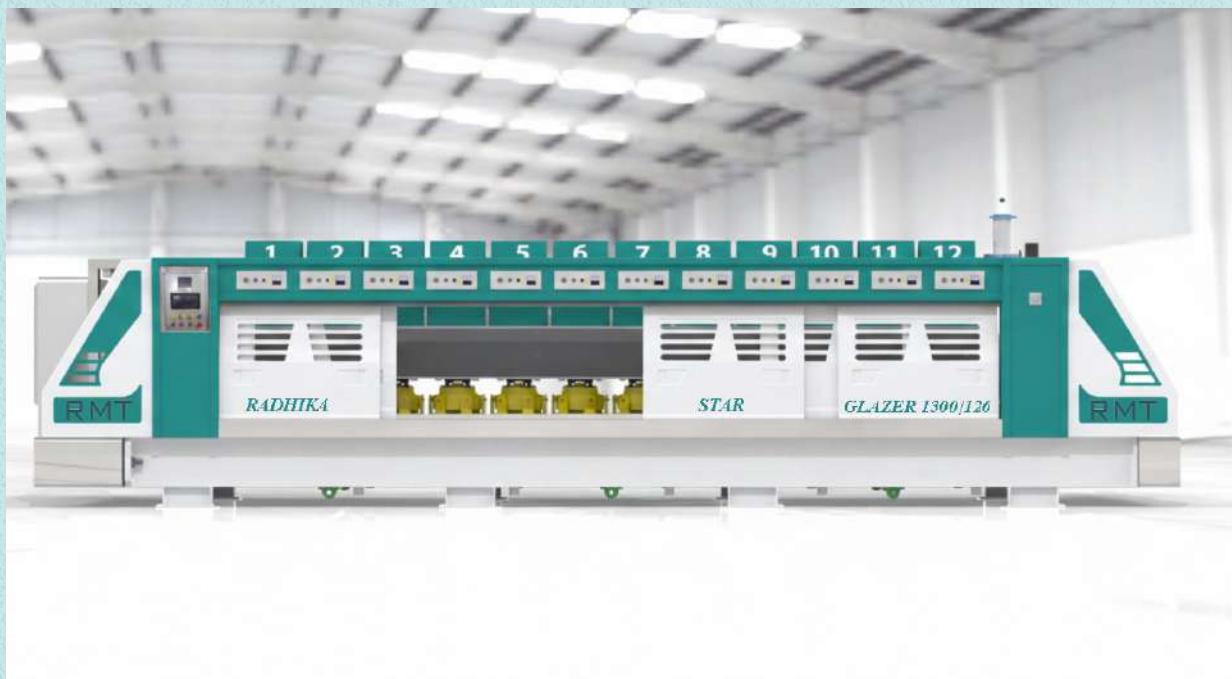
PLC Controlled, Auto polishing machine, With Touch Screen Operator Panel, Suitable Mounting Upto 6 Bricks Flicker Head.

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 / 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.



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.

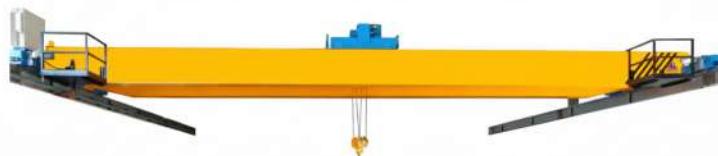


TECHNICAL INFORMATION

| 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

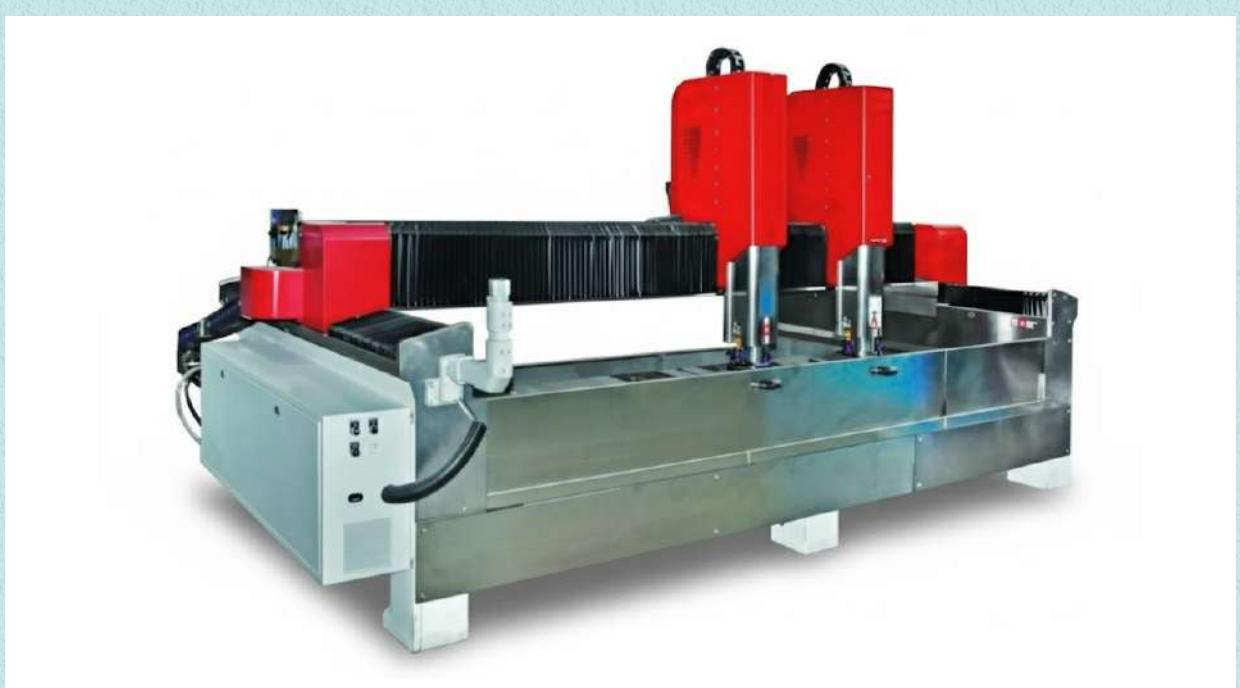
| Weight Capacity (Tons) | Standard | | | Main Hoist (Mtr./Min) | | LT (Mtr./Min) | | CT (Mtr./Min) | | Panel Type |
|------------------------|----------------|---------------------|------------|-----------------------|------------|---------------|------------|---------------|------------|------------|
| | 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 |

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/24000rmp |
| 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) |

