

4Process & Sawing Laser Machine Details

SPECIFICATION

Lazer System :

- DPSS (ND : YAG Diode Pumped)
- Diode Module Northrop, Premium
- 1064nm Wavelength
- Tem 00 Mode
- 24 watt Q-Switched Output @ 10Khz
- 1 to 20 KHz pulse Repetition rate

CNC System :

- 132 x 132 x 70mm Axis Travel
- 6250 Steps/mm Resolution
- 2 μ Accuracy
- Repeatability 3 μ / 25 μ Bidirectional
- AC Servo Drive

Computer System :

- Intel Pentium Dual Core Processor
- 2 Gb Ram
- 150 Gb HDD Capacity
- 17" LCD Screen Monitor
- Keyboard / Mouse

Electrical :

- Single Phase 230 Volts AC, 15 Amp

Temperature :

- 18 to 30 C

Dimension :

- 4ft length x 3.5ft Width x 5ft height
- 300Kg. Weight

Cooling System :

- Single Phase Cooling System

Electronics :

- RF Driver, Single Phase Power Supply, Common Control Box.

FEATURES :

Good Quality and Stability of the Laser beam throughout working range from 8 to 16 watt.

- Very Low Breakage
- Lowest Weight Loss
- 75% Power saving compared to Lamp pump Machine
- In built Chiller and Compressor
- Highly accurate X-Y-Z Axis ServoMotor
- Very Low Operating Cost.

Software Features :

- Auto Frequency setting for good Cutting.
- Automatically Air and Light operates By Software.
- Cutting time Space bar to Focus up & Down to Check Diamond cut.
- Pause time to Store Current Fixture and give Choice name. Pause time to Edit Stone Depth.
- Power Failure automatically software restore Last working Data.
- Separate saw file for Particular Watt.
- Auto Position from current stone to next stone.
- Cutting time Spacebar to reset Start Point and End Point.



4Process Program Facilities

- Advanced set margin for each diameter.
- Live view on monitor screen with graph.
- Advanced stone parameter set.
- Separate Parameter file for each application. (Sawing, Bruiting, Conning, Crown)
- Cutting time Space bar to check focusing.
- Average 300 to 400 diamond cut in 24 hours. (It's depend on size)
- Setting time increase or decrease diameter.
- Hi speed motor for good accuracy level.
- User friendly program.

SERVICES :

- We are taking AMC (Annual Maintenance Contract).
- We are upgrading Lamp base Machine to Diode base.
- Axis servicing and all Laser components available.

NOTE : Specification can be changed without prior notice.



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New Tech Laser



LAZER MAX

- Sawing
- 4 in 1 Process
- Sawing + Bending
- Shape Cutting

