



Shine

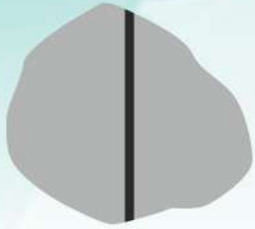
Technologies

GREEN FIBER DIODE LASER SYSTEM

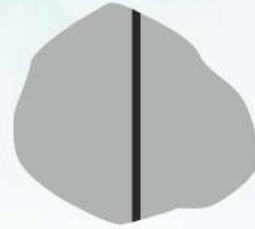


TYPES OF DIAMOND CUTTING PROCESS

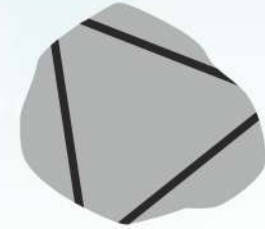
Simple Sawing (L.S.)



Pie Sawing



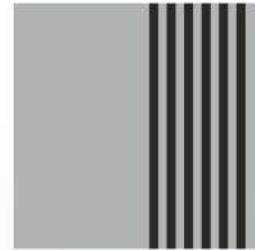
Multi Sawing



Polki Sawing



Slice Cut



C Cut Sawing



Core Cutting



SPECIAL FEATURES

- Low Weightloss.
- Multitop Cutting in Only One Set-up.
- Next to "Nil" Breakage Ratio.
- Smooth Cutting Surface.
- Easy and Smart Program.
- High Production.
- Auto Image Capture.
- Advance Software Feature.
- 70% less Electricity bill compare to any other Green Machine.

TECHNICAL SPECIFICATION

LASER

Wavelength	:	532 nm
Output Power @ 7.5 KHz, Watts	:	20 W
Transverse Mode	:	TEM ₀₀
Beam Diameter, mm	:	0.4
Beam Quality (M ₂)	:	<1.2
Pulse repetition frequency (PRF), KHz	:	1-20
Pulse width @ 7-10 KHz, ns	:	70
Pulse Stability @ 10 KHz (RMS)	:	3
Polarization	:	Liner (Vertical)
Output Stability (% Over 8 hrs)	:	1
Working Temp ©	:	20

CNC SYSTEM

Axis Travel	:	135 mm* 135 mm*75 mm
Resolution	:	1 Micron or better
Accuracy	:	2 Micron / 25 mm
Repeatability	:	2 Micron / 25 mm bi Directional
Drive	:	Servo Drive with Encoder.

MECHANICAL

Dimension : 1270 mm*620 mm*1380 mm

ELECTRICAL REQUIRMENT

AC 208-230 V, 60 Hz, 5 Amps.

CHILLER

No Requirement of External Chiller.



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