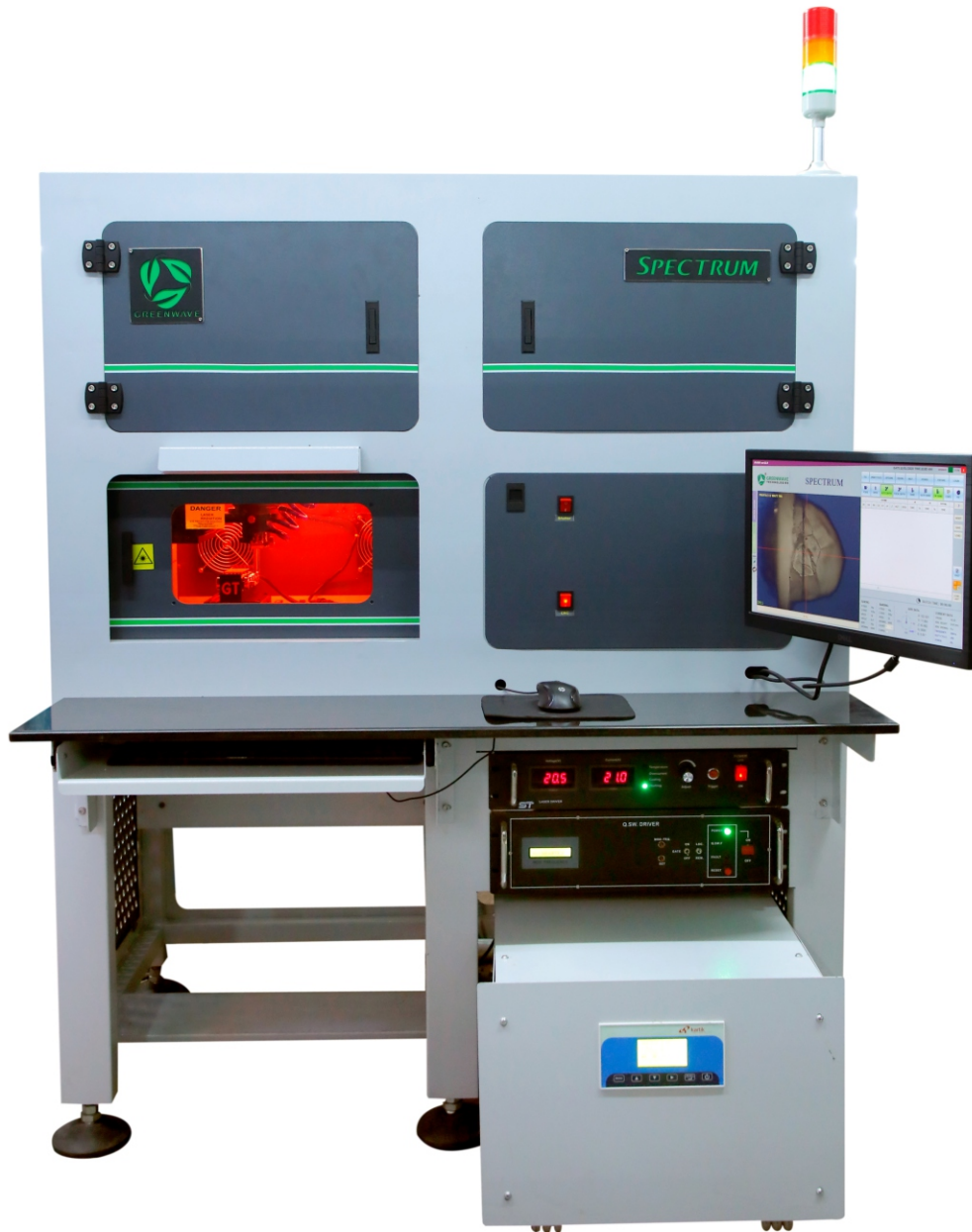


SPECTRUM

GREEN DIODE LASER SYSTEM



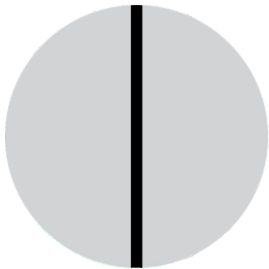
Quality Product | Quality People | Quality Service

the customer is
always & completely right



Types of Diamond Cutting Process

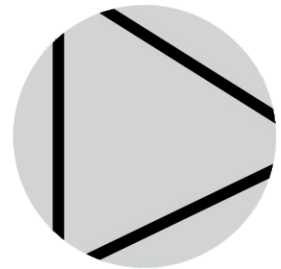
Simple Sawing (L.S.)



Pie Sawing



Multi Sawing



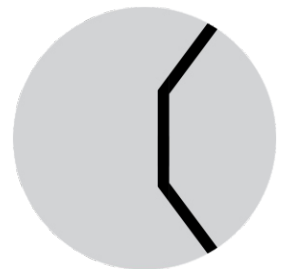
Polki Sawing



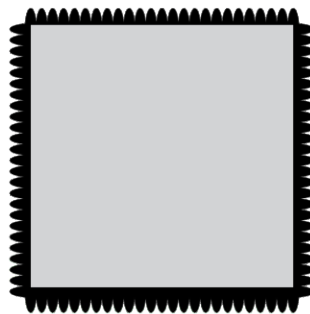
Slice Cut



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.
- Advanced Software Feature.

Technical specification

LASER

Wavelength	:	532 nm
Output Power @ 7.5 KHz, Watts	:	16 W
Transverse Mode	:	TEM ₀₀
Beam Diameter, mm	:	0.6
Beam Quality (M2)	:	< 1.2
Pulse repetition frequency (PRF), KHz	:	1-20
Pulse width @ 7-10 KHz, ns	:	70
Pulse Stability @ 10 KHz (RMS)	:	3
Polarization	:	Linear (Vertical)
Output Stability (% Over 8 hrs)	:	1
Working Temp ^{°C}	:	25

CNC SYSTEM

Axis Travel	:	135 mm* 135mm* 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

Dimensions : 1270 mm* 615 mm* 1480 mm

ELECTRICAL REQUIREMENT

AC 208-230 V, 60 Hz, 8-10 Amps.

CHILLER

No Requirement of External Chiller.

SPECTRUM

GREEN DIODE LASER SYSTEM

" We Don't Sell, Just Help You to Buy Right Product "



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