

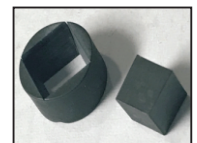
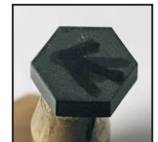
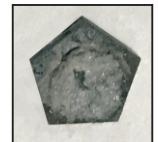
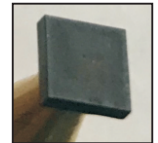
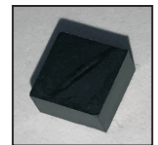
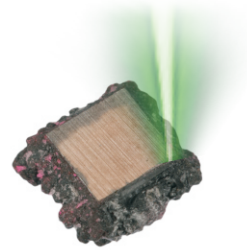


SAI IMPEX

**DPSS Green Laser System with USA made Northrop Grumman Laser Source
with UK made Software Control Diode Driver**

For Synthetic (CVD, HPHT) Rough Diamond Laser Processing

Model No. : DGS-GR-10C



Features

- ⌘ Higher Throughput.
- ⌘ Very Low Operating Cost.
- ⌘ High Precision X-Y-Z Axis.
- ⌘ No External Chiller required.
- ⌘ Diode Driver-UK made software control.
- ⌘ Excellent Laser Beam Stability with BMO
- ⌘ Ideal for Quality CVD/HPHT Stone Laser Processing.
- ⌘ Laser Source – 16watt-532nm-Northrop Grumman USA made.
- ⌘ Smooth Cutting Surface on all 4 side after single stroke sawing.
- ⌘ Power Saving of minimum 70% compared to Lamp Pumped Laser System.

Model No. : DGS-GR-10C

TECHNICAL SPECIFICATIONS

LASER

- ? Laser Type: Diode Pumped Solid State Nd:YAG Pulsed
- ? Wavelength: 532 nm
- ? Power: 10 W-14 W (Operational) @ Tem00 QS (Max. 16W @ 9/10 Khz)
- ? Polarization: Linear
- ? Stability: 15 μ rad

CNC

- ? Type: X-Y Table With Vertical Z axis, Angular axis.
- ? Travel Range: 160 X 160 mm (X-Y German Made Axis),
75 mm (Z India Made Axis), more Travel options available**
- ? Max. Speed: 30 mm/sec
- ? Accuracy: 3 micron \pm with respect to room temperature

CHILLER

- ? Water Flow: 5 l/min (as per laser source requirement)
- ? 1Ø USA Made Polyscience Chiller

ELECTRICAL

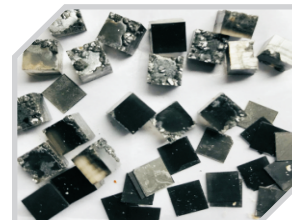
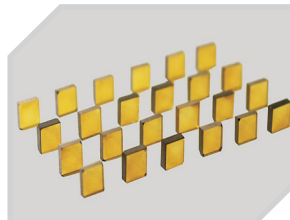
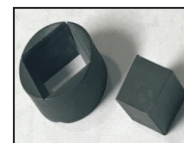
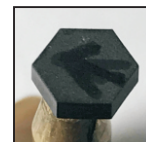
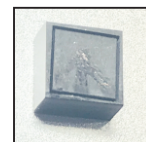
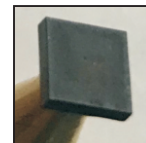
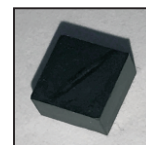
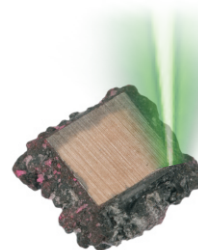
- ? Power: Single Phase (230 Volt AC)
with Proper Ground Volt = 1 ± 0.5 Volt AC.
- ? Power Consumption: 2 KW \pm 0.5 KW.
- ? Earthing: AC Volt ≤ 1 (Between Neutral & Earthing, Max. 1.5)

MECHANICAL

- ? Dimensions (L x W x H): 1320 x 610 x 1500 mm (Leg to Leg)
1450 x 865 x 1500 mm (Actual)
- ? Weight: approx. 440 kg

ENVIRONMENT

- ? Room Temperature: 22° C \pm 1° C
- ? Humidity: Less than 40%



*Subject to change without notice

**Optional: CNC 200X200 mm or 300X300 mm X-Y Travel Length as optional Features available

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