



## DPSS Green Laser System with Northrop Grumman Laser Source with UK Made Software Control Diode Driver For Quality Rough Diamond Laser Blocking.

Model No. : DGS-GR-10-B4



www.smdrays.com

### Features

- ‡ Excellent Laser Beam Stability
- ‡ Ideal for Quality Rough Diamond Laser Blocking
- ‡ Smooth Cutting Surface
- ‡ Higher Throughput
- ‡ Power Saving of minimum 70% compared to Lamp Pumped Laser System
- ‡ Very Low Operating Cost
- ‡ High Precision X-Y-Z Axis
- ‡ No External Chiller required



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## TECHNICAL SPECIFICATIONS

### LASER

- ? Laser Type: Diode Pumped Solid State Nd:YAG Pulsed
- ? Wavelength: 532 nm
- ? Power: 6 W-8 W (Operational) @ Tem00 QS.
- ? Polarization : Linear
- ? Stability: 15  $\mu$ rad

### CNC

- ? Type: X-Y Table With Vertical Z axis, Angular axis.
- ? Travel Range: 140 x 140 mm (X-Y Axis), 75 mm (Z 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)
- ? 1 $\emptyset$  India Made Chiller

### ELECTRICAL

- ? Power: Single Phase (230 Volt AC)  
with Proper Ground Volt =  $1 \pm 0.5$  Volt AC.
- ? Power Consumption: 2 KW  $\pm$  0.5 KW.
- ? Earthing: AC Volt  $\leq$  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. 410 kg

### ENVIRONMENT

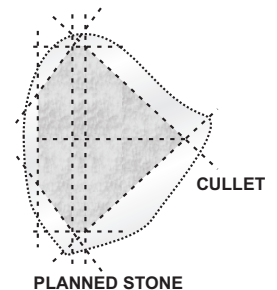
- ? Room Temperature: 22° C  $\pm$  1° C
- ? Humidity: Around 40%

- ? OEM development available
- ? OEM DGS-GR-08-B8 (8+8+Girdle)

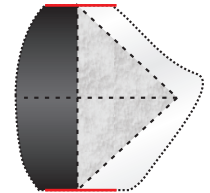
\*\*Optional Process  
\*Subject to change without notice

For Information & Inquiries :

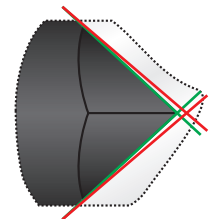
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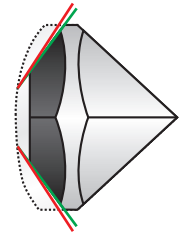
PLANNED STONE



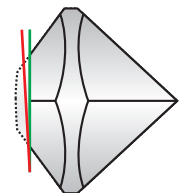
Step 1: GIRDLE



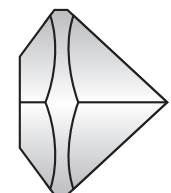
Step 2: PAVILLION



Step 3: CROWN



\*\* Step 4: TABLE



4+4+ Girdle