

# LAZER GRN<sub>ng</sub>

Next Generation. Incomparable. Now.



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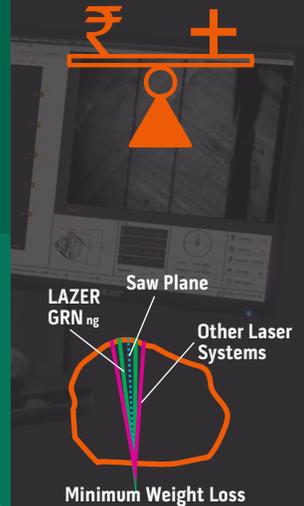
## Re-inventing for Next Generation Performance

Automation to achieve more. Productivity at its pinnacle-for any diamond processor, this can be the magic potion of all business strategies. For a diamond processor like you, nothing can be better than achieving minimum weight-loss, minimum breakage & maximum production uptime. The challenge is, getting all these in a single machine. But not anymore, we have indigenously developed a machine the highly advanced LAZER GRN<sub>ng</sub> that has all the capabilities of being your the DREAM MACHINE !



### Achieve Best Quantity, with Best Quality

The LAZER GRN<sub>ng</sub> is designed in such a way that it rapidly cuts diamonds at maximum possible watts, resulting into greater output in less time. More importantly, this rapid speed is achieved while ensuring minimum breakage, because of the highest precision.



Minimum Breakage

### Great Precision for Unparalleled Low Weight Loss & Minimum Breakage

The LAZER GRN<sub>ng</sub> uses the green laser, which works on short wavelength and provides fierce power and precision. The accuracy in cutting results into minimum weight loss and lowest possible breakage and hence more yield per cut diamond.

### Superiorly Smooth Cutting Surface

The superlative accuracy of the stable beam profile ensures fine and smooth cutting surface of the diamond, again increasing its value.



### Ultra-Modern Software with Unmatched Design for Lowest Possible Human Intervention

The most advanced software and user-friendly software is quite simple in use and also decreases the man machine intervention significantly which eventually results in minimum possible human error. The rigid frame structure of LAZER GRN<sub>ng</sub> lowers the vibrations of machine and better ergonomics helps in fatiguesless working.

# Striking Features

- **Reliable Consistency :**  
Provides dependable performance in Sawing, 4P, 5P and Blocking.
- **Advanced Beam Quality :**  
Produced by exceptionally engineered diode.
- **Unique Hermetic Sealed Resonator Box :**  
Ideal for longer life of optical components.
- **Design to Deliver :**  
Designed for performance stability to achieve optimum production with most precise cutting.
- **Smart and User-friendly MMI :**  
Reduces operator's mistakes and enhances cutting operation.
- **Appealing Aesthetics :**  
Futuristic design with corrosion resistant aluminum composite panel gives pleasant and elegant look to the machine.
- **High Uptime:**  
An insightful design assures you of minimum maintenance which eventually results into high uptime of the machine.

# Specifications

- **Dimensions** : 1.34m (4' 5"); 0.73m (2' 4");  
1.46m (4'8") (L x W x H)
- **Weight** : 460kg approx.
- **Axis Travel** : (X, Y, Z) – (130mm, 130mm, 75mm)
- **Laser Profile** : Nd:YAG @532nm,  
TEM<sub>00</sub> - Diode Pumped Solid State
- **Operating Voltage**: Single Phase, 230VAC, 12Amp, 50/60Hz
- **Output Power** : >15watts @7 kHz





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