



LAZER SUPRA

SLICING AND CORING MADE EASY



Proudly Invented &

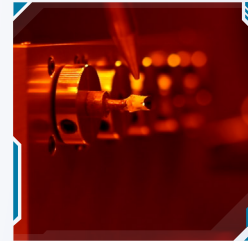
Made In INDIA

LAZER SUPRA

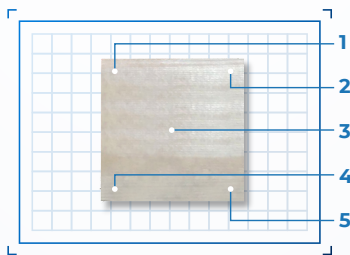
Seed Cutting / Slicing

Lowest Possible Kerf: Precisely Engineered Beam Profile

Slice Size (mm)	Laser Power (Watt)	Kerf Width (Microns)	Time To Slice (Min.)
5x5	12.0	160-180	08-12
7x7	12.0	210-230	16-20
10x10	12.0	280-300	45-49



Smoothest Cutting Surface: Remarkably decreases post cutting polishing process



Spot	Value	Aggregate Value	Roughness ISO Grade Number
Spot 1	0.194	0.211	N4
Spot 2	0.186		
Spot 3	0.212		
Spot 4	0.223		
Spot 5	0.240		

Certified RA Value Respect to ISO Standard



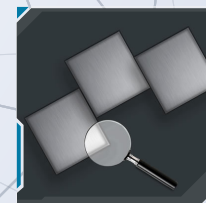
**Minimum Possible Taper with
Almost Nil Carbon Haze:**
Quality Cutting



Batch Operation:
Load Up the Stones &
Machine Will Do the Rest



Smart Software:
Powered by an AI Excellence,
Yet Very Easy to Use



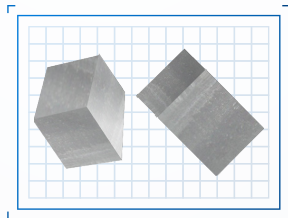
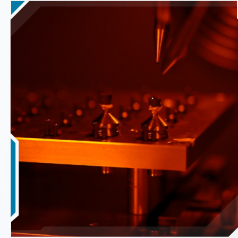
**Accurate Cutting With
Remarkable Speed:**
Production At It's Peak

LAZER SUPRA

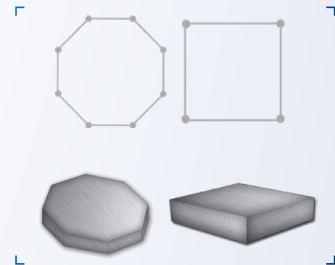
CVD Coring

For Coring, Maximum Production:
That All Matters

CVD Rough Stone Size (mm)	Time To Cut (Min.)
5x5	25-30
7x7	35-45
10x10	55-65



Accurate Edge Cutting:
Leaves No Corner Inaccurate



Freedom of Shapes:
Cut Any 2D Shapes

Smart Software & Batch Production:
Load Up Stones & Machine
Will Do the Rest



Specifications

Dimensions	1.39m (4'6") x 0.73m (2'4"); 1.46m (4'8") - (L x W x H)
Weight	460 kg (Approx. 1015 lbs)
Axis Travel	130mm (X), 130mm (Y), 75mm (Z)
Laser Profile	Nd:YAG@1064nm, TEM ₀₀ - Diode Pumped Solid State
Operating Voltage	Single Phase, 230VAC, 12 Amp, 50/60 Hz
Output Power	>22 watts @ 10 kHz

LAZER SUPRA

Slicing and Coring Made Easy

The LAZER SUPRA offers it all that makes to produce the greatest revenue spawning, finest Lab Grown Diamonds from the raw ones. It is capable to achieve superior smooth surface with least possible chance of the breakage and gives the desired outcome. The Infrared laser beam ensures the slicing or coring process is performed exactly as per the calibration with least error, provides better accuracy. The machine is made for easy operation which helps operator to understand easily and can be used to within very short period of times.



Low in Weight Loss

The powerful IR laser cuts the diamond in a way that the chances of weight loss decreases and the value of diamond increases.

The power stability of IR laser is reliable, it gives you the best accuracy which leads to best results.

Better Power Stability

Better Power Stability

The power stability of IR laser is reliable, it gives you the best accuracy which leads to best results.

Smartly Designed and engineered diode provides a stable beam which results into best possible smooth surface preventing the possible damage.

Smooth Cutting Surface

Get Higher Production

Designed to perform at its best in every process, the LAZER SUPRA achieves seamless swift coring & slicing and can provide the desired outcome.

It has an advantage of intelligent software which automatically sets optimized laser parameters based on the size of the diamond which reduces the human error like anything.

Less Man-Machine interaction

Advance Smart Software

Made with rich insights, STPL own made software is loaded with features that empower the operator to serve with wide range of unusual needs.

The entire operation is very friendly, and one does not need to put any extra efforts to understand, the machine is made with the easy operating systems.

User Friendly Operating System

Machine Variants

LAZER SUPRA



Laser Type: **Infrared** | Power Supply: **Indigenius**
HLR: **STPL** | Cooling System: **Indigenius**

LAZER SUPRA532



Laser Type: **Green** | Power Supply: **Indigenius**
HLR: **STPL** | Cooling System: **Indigenius**

LAZER SUPRA532-i



Laser Type: **Green** | Power Supply: **Indigenius**
HLR: **IKLWA** | Cooling System: **Indigenius**

LAZER SUPRA532-ie



Laser Type: **Green** | Power Supply: **Sorensen**
HLR: **IKLWA** | Cooling System: **Thermotek**

PRIMA GRN_{ng-ie}



Laser Type: **Green** | Power Supply: **TDK Lambda**
HLR: **IKLWA** | Cooling System: **SMC**

PRIMA SUPER_{ng-e XL}



Laser Type: **Infrared** | Power Supply: **TDK Lambda**
HLR: **STPL** | Cooling System: **SMC**

Having Customer Base in More Than
30 Countries & 5 Continents



India | Botswana | Brazil | Cambodia | China | Dubai | Ghana
Hong Kong | Indonesia | Japan | Laos | Mauritius | Romania
Russia | Singapore | South Africa | South Korea | Spain
Sri Lanka | Switzerland | Taiwan | Thailand | Turkey
United States | Vietnam | Zimbabwe



Head Office





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