

# CRAFTING CORES WITH PERFECTION

## Your Trusted CVD Coring Partner

**LAZER*AiMi***  
AMAZINGLY INTELLIGENT MACHINE

**LAZER*LEAP***



## CVD Coring with **LAZER AIM** and **LAZER LEAP** (CVD Processing)

Maximize production efficiency with **LAZER AIM** and **LAZER LEAP** in diamond coring applications. Enjoy accurate edge cutting ensuring precision in every corner of your diamond. These machines are equipped to cut any 2D shape with smart software integration, facilitating seamless operations. Embrace batch processing for consistent, reliable results, elevating your diamond coring endeavors to new levels of accuracy and productivity.



**BEFORE**



**AFTER**



## Technical Specifications

	LAZER AIM	LAZER LEAP
Dimensions:	1.3m (4'5"), 1m (3'), 1.50m (4'11") (L x W x H)	0.76m (2'6"); 1.20m (3'11"); 1.50m (4'11") (L×W×H)
Weight:	Approx. 450 kg (992 lbs)	Approx. 300 kg (661.3 lbs)
Axis Travel:	130mm (X), 130mm (Y), 60mm (Z)	
Laser Profile:	Nd:YAG@532nm (Green); Nd:YAG@1064nm (IR), TEMoo- Diode Pumped Solid State	
Operating Voltage:	Single Phase 230 VAC, 12Amps, 50/60Hz	
Output Power:	>15W@7KHz (Green); > 20W@10KHz (IR)	

## Salient Features



### High Production:

Though machine is fast and accurate, the output quality can't be compromised. Machine is powerful to provide all at once. i.e. Speed & Accuracy.



### Superiorly Smooth Cutting Surface:

The superlative accuracy of the stable beam profile ensures fine & smooth cutting surface in every coring process which maintains the value of your precious stone.



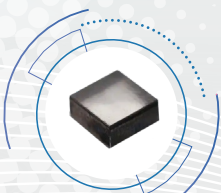
### Reliable Consistency:

The machine is designed in a way that it gives you steady performance in coring operations. You can work on the machine for hours with the same quality & speed output.



### Excellent Power Stability:

The most advanced Green/IR laser has the best-in-class stability which gives you high precision diamond sawing leads to desired accuracy.



### Minimum Weight Loss:

LAZER LEAP and AIM works on the Green/IR laser, which has shortest wavelength. The accuracy of Green/IR laser results into the minimum weight loss and reduce the possibility of weight loss of your diamond.



### Ultra-Modern Software:

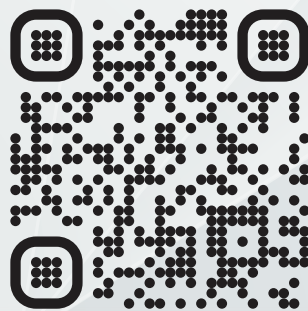
Ultra-Modern software ensures that your operator is convenient on every process and the data of all the angles are provided in time while coring of a Lab-Grown Diamond.



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:

**SAHAJANAND TECHNOLOGIES PRIVATE LIMITED.**

Sahajanand Estate, Vakhariawadi,  
Near Dabholi Char Rasta, Ved Road,  
Surat-395 004. Gujarat, India.

☎ +91-261-611 0711 | +91-261-611 0722

✉ [contact@stpl.com](mailto:contact@stpl.com) 🌐 [www.STPL.com](http://www.STPL.com)

Like us | Follow us | Subscribe us:

📺 /stplglobal 📷 [f](#) [in](#) /stplglobal

