



Seamless CVD Slicing

Where Accuracy Meets Innovation!

LAZER*AiM*

AMAZINGLY INTELLIGENT MACHINE

LAZER*LEAP*



 **MADE IN INDIA** 

Slicing/Seed Cutting with LAZER AIM and LAZER LEAP (CVD Processing)

Achieve unparalleled precision in diamond seed cutting with LAZER AIM and LAZER LEAP. Our technology ensures the lowest possible kerf, delivering a smooth cutting surface that minimizes the need for post-cutting polishing. Experience minimal tapering and virtually no carbon haze, coupled with smart software for accurate, high-speed cutting. Streamline operations with batch processing, making diamond slicing more efficient and precise than ever before.



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") (LxWxH)
Weight:	Approx. 450kg (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:



Get Higher Productivity: Designed to perform at its best in every process, the LAZER AIM/LEAP achieves seamless swift slicing and can provide the desired outcome.



Better Power Stability: The power stability of Green/IR laser is reliable; it gives you the best accuracy which leads to best results.



Low in Weight Loss: The powerful Green/IR laser cuts the diamond in a way that the chances of weight loss decreases and the value of diamond increases.



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.



Smooth Cutting Surface: Smartly designed and engineered diode provides a stable beam which results into best possible smooth surface preventing the possible damage.



User Friendly Operating System: 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.

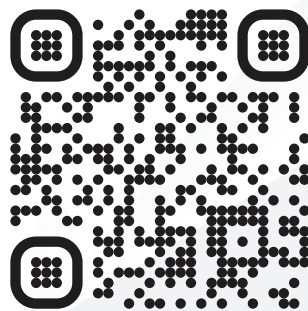


Less Man-Machine interaction: It has an advantage of intelligent software which automatically sets optimized laser parameters based on the size of the diamond which reduces the human error like anything.

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



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