

LAZER SUPER-9

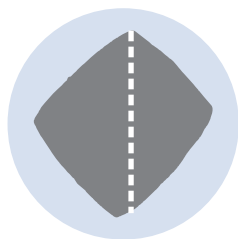


The Ultimate Laser Machine

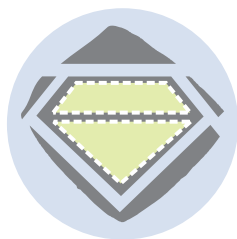
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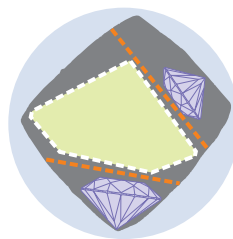
Saw • 4P • 5P • Block • All in one



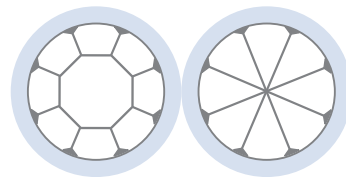
Saw



4P



5P



Block

Where Incredible Versatility Unites with Incredible Performance.

It's time to break down those conventional barriers to efficiency. Introducing diamond industry's first laser system with the versatility of Sawing, 4P, 5P and Blocking, the Lazer Super – 9.

Precisely Engineered for the Maximum Production.

LS-9 is tuned for the maximum production. When a system that performs everything, the velocity of production gets a boost to the best. And it does it with an astounding accuracy; cut-to-cut, diamond-to-diamond.



Other IR Lasers



LS-9

Minimum Breakage. Minimum Weight-loss.

The synergy between LS-9 and the Silent Light Module provides an excellent beam profile & stability resulting in minimum breakage & weight-loss.

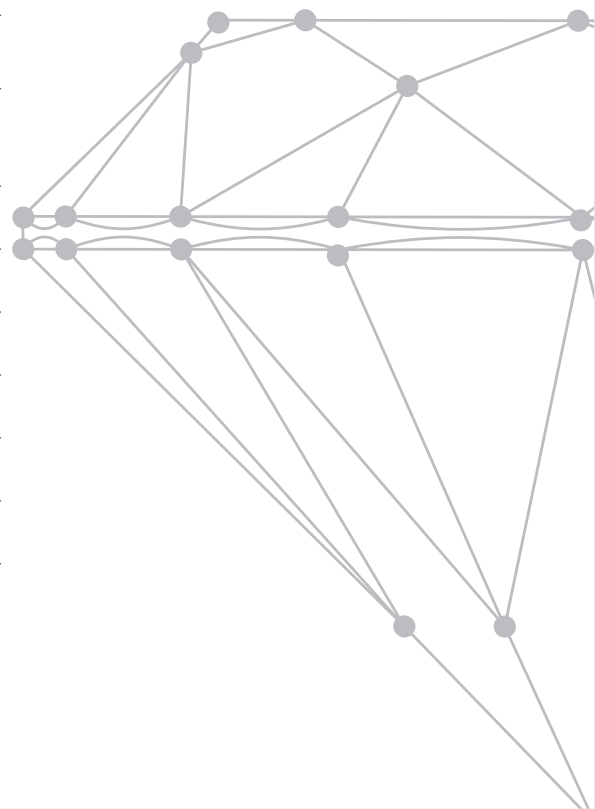
STONE SIZE (in ct)	Stone Size (in ct.)	Lazer Super-9
Production / 24 hrs (Twin Side Sawing)	0.10 - 0.25	200 ct.
	0.26 - 0.50	220 ct.
	0.51 - 1.00	260 ct.
Breakage Ratio %	< 0.25	< 1.00 %
	< 0.50	< 1.00 %
	> 0.50	< 1.00 %
Weight-loss %	< 0.25	< 2.50 %
	< 0.50	< 2.25 %
	> 0.50	< 2.00 %

SPECIAL FEATURES

- **Silent Light diode module** (Northrop Grumman-USA) produces unmatched beam quality and stability throughout its working range.
- **Dust protective enclosure** gives optimum life to optical components.
- **Skin Banding** feature prevents damages due to the internal laser reflections.
- **Automatic 360° fixture** for twin side sawing.
- **Less Man-Machine Interactions**; intelligent software automatically sets optimized laser parameters based on the size of a diamond.
- **User friendly operating software** saves time and reduces operator mistakes.
- Highly accurate and **long life X-Y-Z CNC stages** for accurate cutting performance.
- Impeccable machine design and **vibration free MS frame structure** provides better stability.

MODEL VARIANTS

	Lazer Super-9E	Lazer Super-9
Sawing	✓	✓
4P Kit*	✓	✓
Blocking Kit*	✓	✓
Laser output - 24 W @ 10 kHz	✓	✓
Auto frequency	✓	✓
Auto current	✓	✓
Input load: single phase	✓	✓
AC Servo CNC 130 cm (L) x 130 cm (W) x 7.5 cm (H)	✓	✓
Silent Light diode pumped module (USA)	✓	✓
450 kgs MS frame	✓	✓
Laser source with hermetically sealed box	✓	✓
Multi-side Skin Banding facility	✓	✓
High quality power supply from USA	✓	—
Cooling system from Germany	✓	—





 PROUDLY INVENTED & MADE IN INDIA

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*Available as an optional accessory at the additional cost.