



An ISO 9001:2008 certified company

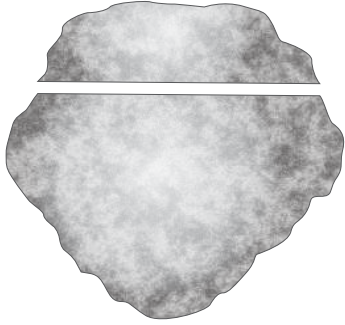
LAZER DUO

The Next Revolution in Laser Processing



Higher Productivity in Compact Size.

Saw ○ 4P ○ Block ○ Everything



Sawing



4 P



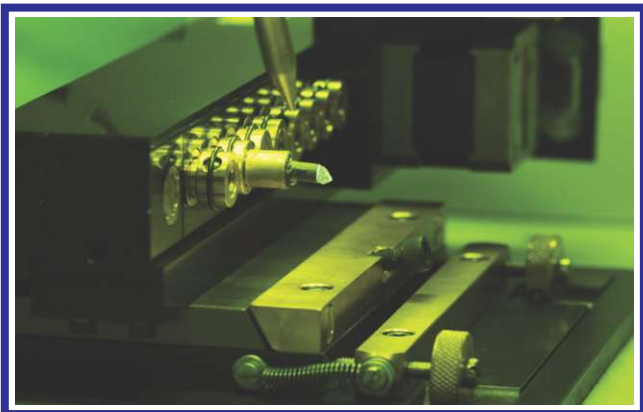
Blocking

A Unique Technology Where Versatility Meets The High Standard Productivity.

It's time to pass all the traditional hurdles to gain maximum productivity through LAZER DUO. Introducing industry's first ever fully independent dual workstations machine design laser system with the versatility of sawing, 4P & blocking.

A Revolutionary Dual Workstations Machine Design.

Time to say good bye to all those space consuming machines. With its dual workstations compact design LAZER DUO is designed to give you maximum productivity.



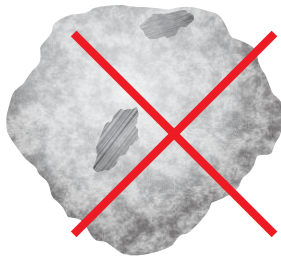
Accurately Designed for Mass Production.

LAZER DUO is designed to achieve maximum throughput. When the machine performs everything with the accuracy in that scenario the speed of the production going to be increased significantly.

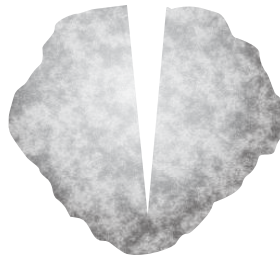
Minimum Breakage and Minimum Weight Loss.

The team effort of LAZER DUO and Silent Light Diode generates a high standard beam profile and stability resulting in minimum breakage and weight loss.

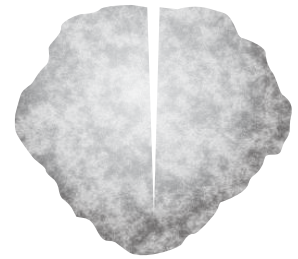
Minimum Breakage



Weight Loss



Other IR Lasers



LAZER DUO

STONE SIZE (in ct)	Production/24 hours (twin side sawing)	Breakage Ratio	Weight Loss
0.10 - 0.25	400 ct	<1.00%	<2.50%
0.26 - 0.50	440 ct	<1.00%	<2.25%
0.51 - 1.00	520 ct	<1.00%	<2.00%

* may vary as per diamond type and/or cutting geometry.

A Unique Combination Of Customization, Differentiation & Innovation : Mix & Match.

Our special feature of customization offering you the option to configure your LAZER DUO. Possible options are mentioned here.

- LS-9 & LS-9e**
- LS-9 & LS-9**
- LS-9e & LS-9e**

- Sawing & 4P**
- Sawing & Blocking**
- Sawing & Sawing**
- 4P & 4P**
- Blocking & 4P**
- Blocking & Blocking**

Similarly the LAZOR DUO provides you a freedom to select various operations on each work station of the machine. The various options for a process selection are mentioned here.

Additional features:

- Silent Light Diode module (Northrop Grumman-USA) which is specially designed to generate superior beam quality and stability throughout its working range.
- An effective dust proof enclosure ensures long lasting life of optical components.
- A **Skin Banding*** feature provides safety against the damages which occurs due to internal reflections.
- Automatic 360° fixture is provided for twin side sawing.
- Requires less human intervention in operation: based on the size of the diamond intelligent software automatically sets optimized laser parameters and much more.
- Highly optimized ergonomics minimize chances of operator mistake.
- A long lasting and highly precise X-Y-Z CNC stages for accurate cutting performance.
- Specially developed granite base minimizes vibrations of the machine.
- Single plate optical rail design to achieve best optical property of the laser beam.



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