

Where **TECHNOLOGY**
Becomes **REVOLUTION**



An ISO 9001:2008 Certified Company



SUPER GREEN

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EXCEL THE ART OF DIAMOND SAWING

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Specifications

Laser	: Nd:YAG-532nm Diode Pumped Solid State
Transverse Mode	: TEM ₀₀
Electrical	: 1Ø, 230 Volts AC, 15 A
Output power	: 12 Watts @ 10 kHz
Axis Travel	: 130 mm x 130 mm x 70 mm
Power Consumption	: 2 kW
Dimensions	: 1660 mm(L) x 1125 mm(W) x 1435 mm (H)



Touch Screen
based laser
control

Power station
with air cooled
self contained
refrigerator
chiller

SUPER GREEN

Superiority in All Dimensions of Laser Cutting



Features

- Superior beam stability & quality throughout the working range from 4 Watts to 12 Watts
- Most robust, stable & proven laser source
- Low weight loss with minimum breakage
- Skin Banding feature prevents damages due to internal reflections
- Very efficient, highly optimized & user friendly software
- Fully dust protective enclosures
- Long life, highly accurate X-Y-Z tables
- Compact frame structure
- Minimum maintenance



About Us

Sahajanand Technologies (P) Ltd. (STPL) and Sahajanand group of companies is a culmination of one man's dream and mission to make his country independent from the shackles of dependence on exorbitantly priced, imported machines and systems, that often did not function efficiently in the difficult Indian operating conditions i.e. dusty, hot and humid environment.

Under the visionary leadership of Mr. Dhirajlal Kotadia the founder of Sahajanand group of companies, this dream and mission fructified into Sahajanand Technologies (P) Ltd., a pioneer and a trendsetter, that led the revolution in the Indian Diamond Industry, bringing the laser technology within easy reach of the grass roots entrepreneur, by manufacturing systems meant to function efficiently in the difficult Indian operating conditions. Even though the company started small, the dreams & ambitions were big its growth fuelled by the tireless efforts of company's focused and dedicated employees. Today, with an installation base of thousands of laser and laser based systems, and an entire range of products for diamond processing as well as for medical device manufacturing, Sahajanand is one of the very few companies that makes available entire product range off-the-shelf, for the entire segment of diamond processing Industry under single roof, thus setting new standards in the diamond processing systems industry.

Similarly, through one and a half decade of its operations, Sahajanand has established a benchmark for professional service support in the diamond industry, through its team of dedicated, well qualified and highly experienced service support personnel.

Being based in Surat, that is the heart of the Indian diamond industry, STPL has the advantage to receive direct feedback from its esteemed customers on their requirements, which drives the innovation based enhancements towards perfection. The in-house R&D gives us STPL an edge over the competitors where STPL can innovate and directly implement the customer's requirements in its systems at lightening speeds.

Through continuous innovation, Sahajanand is always committed to bring innovative and best of the breed technologies within the easy reach of every company engaged in Diamond Industry. We can proudly say that the new technologies introduced by us have helped to accelerate the momentum of diamond exports in India, and has helped save the precious foreign exchange worth millions of dollars for the country.



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