

Sahajanand Laser Technology

Bringing About Revolutions

"In ancient times diamond was used to cut a diamond. Now, it is LASER- the fusion of human intelligence and light, cuts the diamond."



This is a mantra coined as a tribute to LASER. And Sahajanand Laser Technologies has done it.

LASER is a light with high intensity and non-diversion with single wavelength so that it changes the characteristic of the regular light and creates phenomenal applications. Sahajanand Laser Technologies does just that-creates phenomenons.

Sahajanand Laser Technology is a Special Purpose machine-manufacturing group of laser systems in India. They have specialised in exclusive designing, developing, manufacturing, marketing and servicing sophisticated Laser systems and CNC industrial machines. They are the world's largest manufacturer of CNC laser systems. This company has been the winner of many national and international awards, the latest being the 'Best Entrepreneur of the year Award' that Mr Arvind Patel, Managing Director, Sahajanand Laser Technology received in 2006. It has also won several other awards like the 'National Award for In-house R&D', Dr Vikram Sarabhai Award for young scientists in the field of industry', National Award for excellence in electronics etc.

Sahajanand Laser Technologies came into being 16 years ago as Sahajanand Electronics, a small initiative of Mr Arvind Patel, who had started his career with the automation of the

BRAHMASTRA



Hi Power Laser Cutting Machine



Best Entrepreneur of the Year in 2006 by Government of Gujarat & CII

textile industry. A chance visit to Surat made him realise of the involvement required of technology in the diamond industry. So the manual effort was transformed into automated laser technology for cutting diamonds, which also improved the quality of the product. The later year, the name was changed to Sahajanand Laser Mechanics. The next few years saw the unit flourishing. With the laser technology, it no more requires a diamond to cut a diamond. A laser beam can do it. At the same time the processing time has reduced, quality improved and manpower increased. Something that Mr Arvind Patel asserts,

AWARDS:

- State Govt. Award 1997-98
- National (DSIR) Award 2003
- National (T DB) Award 2004 presented by H.E. Dr. APJ Abdul Kalam
- National (Electronics) Award 2002-2003
- National (NRDC) Award 2005

"Technology never kills manpower." Prior to 1990, India exported 20% of diamonds to provide for the world demand and today, 34% of India's total export income comes from diamond exports in the world. The fact that India is the largest producer of diamonds in the world is thanks to this technology. Times have changed and there was a time when India used to import laser systems from Israel but now India exports such machines to Israel. According to Arvind Patel,



Laser Diamond Multi-Bruiting System

innovations happen when one application can be useful for the other. He did just the same when he introduced the laser cutting machines for metals as well.

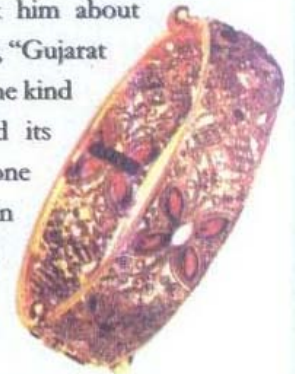
It is their mission to bring innovative technology to the customers providing total customer solutions by offering special purpose systems with on time delivery, technical expertise and effective after sales service. They also provide tailor made solutions to the customers understanding their actual requirement.

Sahajanand Laser Technologies offers total solutions for a wide range of Laser systems for industrial applications like High Power Co2 & Fibre Laser Cutting Machine for sheet metal fabrication, which is Brahmastra. Agnastra is the Plasma/Gas Cutting Machine. The other applications are automations, Inspection & Image Sensing system, rotary and Linear

positioning system, micro machining and solar cell cutting.

Sahajanand Laser Technology can also supply components like heat exchanger assembly; SMPS power supply, R-F unit and optical components for laser systems. Apart from Laser Marking system, they have developed a vast range of Laser based products or various applications like diamond sawing, diamond planning, laser cutting, solar cell cutting and hallmarking

And the plans for the future are solar power generations. It is the first time that India will accomplish such a lead in the scientific application of solar technology. We have revolutionised this, "Energy for a sustainable future.", says Mr Patel. Energy will be the need of the country and the world. "And wherever there will be light, we will be successful. This massive size project will see tie-ups with technological companies in the world. The other future plans going on simultaneously include manufacturing of bio-medical devices for non-invasive surgery. Sahajanand is soon going to come out with a public issue in February. Ask him about Gujarat's future and pat comes the reply, "Gujarat has a very bright future especially with the kind of projects that are coming up and its industrial infrastructure." For someone who has been the pioneer in India in bringing indigenously designed technology to the diamond industry, this may be an interesting prospect for bringing about another revolution.



Unit at Gandhinagar with State-of-Art Infrastructure Facility

