



Press Release



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

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Sahajanand teams up with Synova: the first Laser-Microjet gem cutting system ready for commercialization in the diamond industry

The cooperation of Synova SA and Sahajanand Technologies Ltd. for the worldwide supply of diamond cutting machines is progressing fully in accordance with schedule.

The new Laser MicroJet system created by Sahajanand with the Synova technology is marketed under the name Triveni. This laser machine offers an excellent return on investment based on the significant savings of high-value material by cutting very fine and perfectly parallel with the water-guided laser beam. In addition, the cooling effect of the water greatly reduces the risk of cracks and diminishes considerably the loss of diamonds. The automation and handling combined with the vision based inspection of Sahajanand make the machine an even more integrated system; easy to use with low cost of operation. The Triveni diamond cutting system is a true value proposition responding to a strong demand confirmed by numerous inquiries from diamond processors.

Synova's technical know-how integrates well with Sahajanand's application knowledge in the gem diamond field.

Being located at the world's diamond cutting & polishing hub Surat, India, Sahajanand Technologies is evolved as a pioneer company in design, research, development & manufacturing of high-end technology centered capital equipments for the diamond manufacturing industry. Company has articulated a distinct market sensing mechanism to analyze market trends, customer and industry requirements. This brought a unique set of supremacies to develop customer centric technology solutions. More than 5000 different diamond processing machineries of Sahjanand Technologies are already installed & working successfully in the various diamond manufacturing factories around the world.

Since 1997, Synova SA, has been pioneering the Laser MicroJet technology by exploiting the synergy of laser power with water. The water-guided laser beam cuts/drills parallel and cleans kerfs/holes with virtually no heat impact. The technology enables unprecedented possibilities and allows for substantial reduction of total cost in various high-precision application fields such as diamond.

Synova Laser Technology

Where others see impossibilities, we see solutions