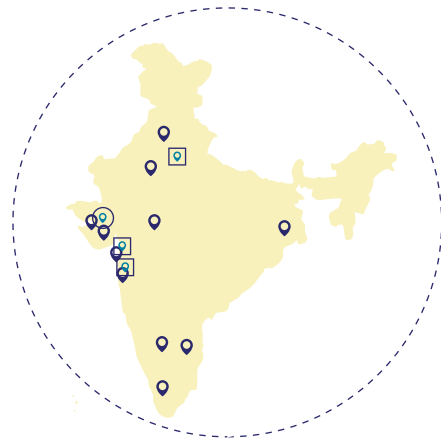


## SLTL PRESENCE

Angola  
Armenia  
Botswana  
Canada  
China  
Dubai  
Germany  
Hong Kong  
India  
Iran  
Israel  
Namibia  
Poland  
Russia  
Saudi Arabia  
Singapore  
South Africa  
South Korea  
Sri Lanka  
Switzerland  
Thailand  
UK  
USA  
Vietnam



Ahmedabad  
Bangalore  
Bhavnagar  
Chandigarh  
Chennai  
Coimbatore  
Delhi  
Gandhinagar  
Indore  
Jaipur  
Kolkata  
Mumbai  
Pune  
Rajkot  
Surat

-  Sales and Services
-  Installation Base
-  Head Office
-  Regional Office



An ISO 9001: 2015 certified company

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[www.sahajanandlaser.com](http://www.sahajanandlaser.com)



## Innovative Robotic Solutions





# One FIBO, Many MODULES



## Remote Operations

Fibo is an automation solution capable of carrying multiple laser operations like welding, cutting, cladding, hardening and remote welding.

## Ready on production line

As the Fibo machine is usually integrated in a complete production chain, your production philosophy has to be taken into consideration. Whether you use lean systems, are batch oriented, use a robot philosophy or have limited floor space, we make sure the solution is tailored to your needs.

## Versatile

Laser operation is a versatile process which can be used to operate on a variety of materials. Lasers are often used in high column production applications as they have high operating speeds and a level of automation that allows 24/7 operation

## Flexibility

The use of robotic automation delivers the flexibility to operate in multiple dimensions and even on complex shapes. The robot can operate in positions where normal machines could not.

## Increase productivity

The system is very precise and creates astonishing results on complex forms. Robotic automation is quick and efficient.

## Safe operations

When working with laser, safety becomes a major issue. SLTL makes an extensive risk analysis and provides solid safety management of the maximum laser on time. We use safe move to ensure a safe area orientation, combined with the classic double walls. SLTL machines of course comply with the latest directives.



## Hardening

Laser hardening is intended to increase the mechanical resistance of the material. It is also called surface-layer hardening. Heat treatment followed by rapid cooling effects selective change and transformation of the structure.

▶ **Cladding**  
Laser Cladding or Laser Deposition is a processing technique used for adding one material to the surface of another in a controlled manner.

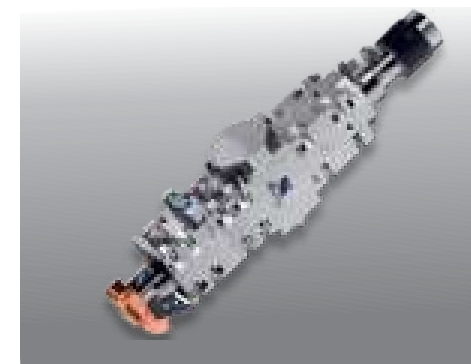


## Cutting

▶ As a disjoining procedure the laser cutting counts as significant building block of the repertoire of laser applications.

▶ **Remote Welding**

Remote welding uses a relatively long focusing optic (hence "remote") and scanning mirror(s) to maneuver the focused beam over the work piece. But what really increases the beam on time is the significant reduction in off time.



## Welding

▶ Laser welding creates inseparable bonds between individual components. In this way, differentiation is made between surface heat conduction welding and deep welding, where the materials are melted at depth.