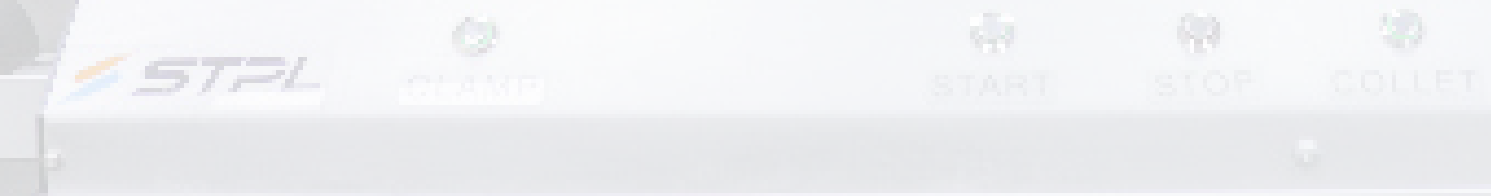




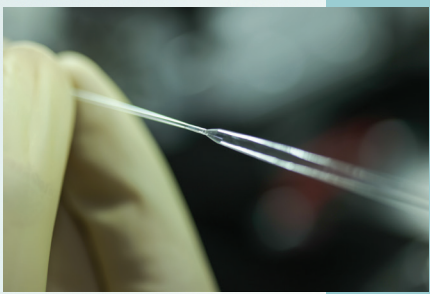
STCW-10

Unlock Innovation
in Balloon Catheter
Welding.



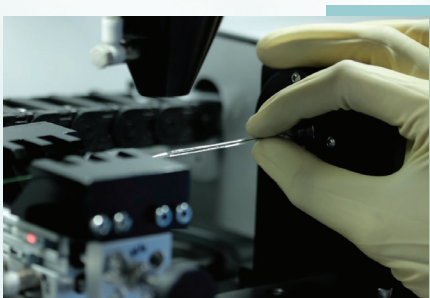
 **MADE IN INDIA** 

Experience unprecedented precision & efficiency with the STCW-10, the flagship balloon catheter welding machine developed by Sahajanand Technologies Private Limited (STPL), which has best knowledge in laser technology since 1993. Designed to exceed expectations, the STCW-10 harnesses advanced technology to revolutionize your production processes.



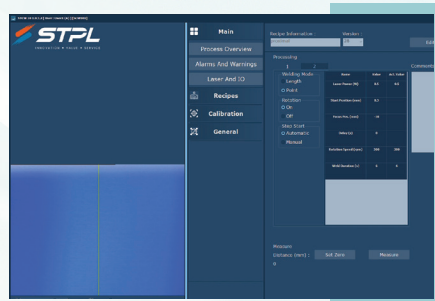
Optimal Welding Results:

The water-cooled CO₂ laser technology in the STCW-10 ensures the superior bonding strength & exceptional welding results. Achieve consistent quality and reliability in every weld.



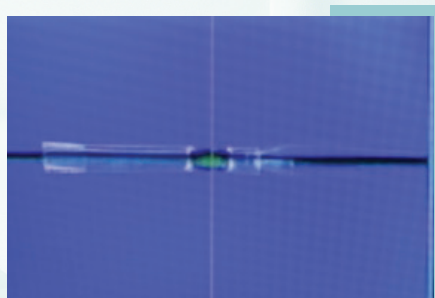
Unmatched Precision:

With highly accurate axis movement, the STCW-10 guarantees precise positioning and alignment of plastic tubing. Say goodbye to variations & reworks, and welcome consistent, high-quality welds.



Friendly Touch Screen User Interface:

The STCW-10's intuitive touch screen user interface simplifies operation, making it effortless to adjust parameters such as power, welding time, rotation speed, and distance. Enjoy seamless control and customization for various catheter specifications.



Real-time Monitoring and Inspection:

Equipped with a high-resolution camera, STCW-10 will provides real-time monitoring and inspection of the welding process. Detect potential defects and make immediate corrective actions, ensuring optimal quality control.



Streamlined Maintenance:

The STCW-10 is designed with ease of maintenance in mind. With accessible components and quick troubleshooting, that'll minimize downtime & keep your production running smoothly.

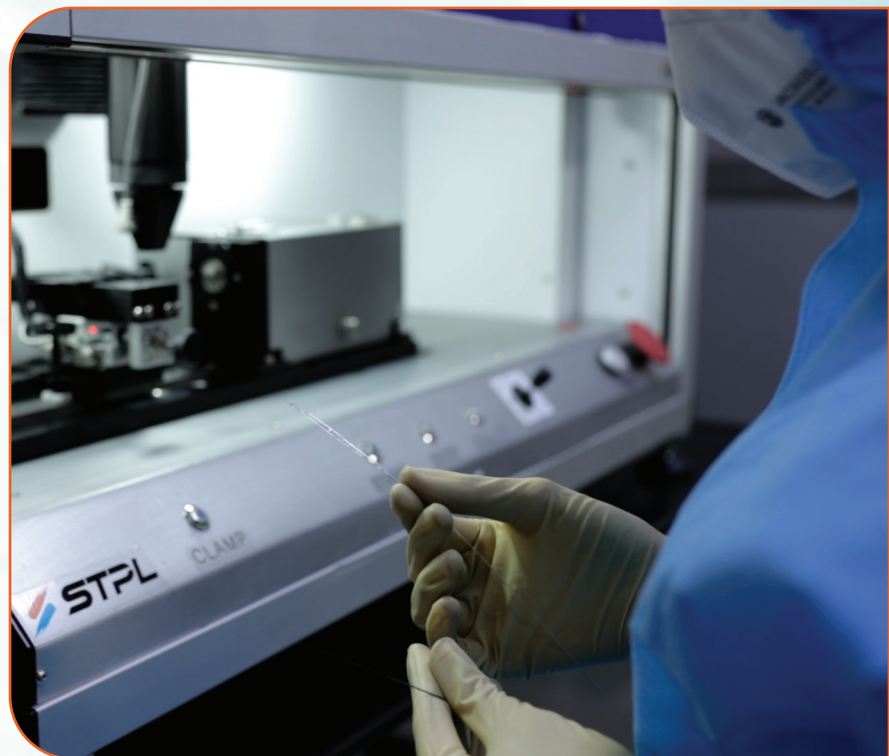
Seamless Connectivity & Data Management:

The STCW-10 offers data storage & network capabilities, empowering you to access welding parameters, production statistics, and quality control data. Maximize efficiency & gain valuable insights for process optimization.



Elevate Your Balloon Catheter Manufacturing:

STPL is the most trusted name in the industry, renowned for its cutting-edge technology and exceptional customer support. Embrace the future of balloon catheter welding with the STCW-10 and stay ahead of the competition.



TECHNICAL SPECIFICATIONS

Dimension (L x W x H)	510 mm x 920 mm x 900 mm
Weight	Weight: 130 Kg (Approx.)
Axis travel (X, Z)	290 mm, 55 mm
Laser profile	a. CO ₂ , 10.6 micrometer b. Class: IV c. Output power: > 9 W @5 KHz
Camera field of view	30 mm Horizontal (approx.)
Display size	24" Touch screen
Operating voltage	Single phase, 230V AC, 5 Amp, 50 Hz
Required operating conditions:	
a. Ambient operating temperature: 20 to 30 degree Celsius	
b. Relative humidity: up to 50%	
c. Air pressure: 0.6 - 0.8 MPa (6-8 bar) (87- 116 psi)	



STPL MT aims to identify the automation needs of the global medical and healthcare industry and fulfill them by offering our world-class vision, laser and software technology. Our only goal is to become a value-added partner for our clients by providing innovative technology, an optimum level of service and continuous support to maximize our clients' business uptime.



DIAMOND TECHNOLOGY

- ~ Pioneered the Laser in Diamond Industry in India.
- ~ World's First to Introduce Robots for Diamond Processing.
- ~ Having Customer Base in More than 30 Countries & 5 Continents.



INDUSTRIAL LASER TECHNOLOGY

- ~ For Industries and Automotive.
- ~ Fiber Laser Cutting Machine with Best Results.
- ~ Accurate Marking, Welding and Cleaning Laser Machine.



ADDITIVE MANUFACTURING

- ~ 3D Printers for Industrial Needs.
- ~ Most Modern 3D Printing Technology.
- ~ Best FDM & SLA Technology.

Head Office:

SAHAJANAND TECHNOLOGIES PRIVATE LIMITED.

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Char Rasta, Ved Road, Surat-395 004, Gujarat, India.

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