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SLT-80-FIBER

Servo Axis		10 axis
Laser Source (Fiber Laser)		1.5kW (Options : 2kW or 3kW)
Cutting Capacity (1.5kW)	Round Tube	Ø12 ~ Ø 80 mm
	Square Tube	Shorter side of section \geq 12 mm Longer side of section \leq 80 mm Diagonal length of section \leq 80 mm
	Profiles	By request
Tube Thickness Cutting Capacity (Standard Type 1.5kW + Compressed Air)	Mild Steel	4 mm
	Stainless Steel	2 mm
	Aluminum Alloy	2 mm
Loading System (Standard Type)	Material Length	4000 ~ 6500 mm
	Max. Weight of Bundle Tubes	1500 Kg
Unloading System (Standard Type)	Max. Length of Work Piece	1000 mm (Options : 2000 mm or 3000 mm)
	Loading System	1500 Kg
Gross Weight (Standard Type)	Laser Cutting + Unloading System + Others	2500 Kg
	Machine Dimension (L x W x H) (Standard Type)	1050 x 220 x 260 cm

Due to continuous improvements and designs : The manufacturer reserves the right to modify or make any change of all models without notice.

(*) Options :

- 1.Additional jaws for different tube sizes and shapes
- 2.Dust Vacuum
- 3.2kW laser source or 3kW laser source
- 4.Set up for oxygen and nitrogen cutting
- 5.Laser cutting head with 150 mm or 200 mm focal length
- 6.Unloading table
- 7.Specific air compressor for laser cutting
- 8.Connectable to SOCO Tube Deburring, Washing, Chamfering and Length Measuring Systems

LASER CUTTING

SOCO. VALUE IN PROCESS.

SLT-80-FIBER

10 Axis Tube Laser Cutting Cell



SLT-80-FIBER

10 Axis Automatic Tube Laser Cutting Cell

The Features:

- Fully automatic tube cutting cell.
- All Servo Driven (10 Axis) for automatic adjustment between sizes, files and parameters to minimize setup time and operational hazards (*).
- Maximum O.D. up to OD 80 mm (3") and Minimum OD as small as 12 mm (1/2").
- Wall thickness up to 4 mm (1/6") in Mild Steel and 2 mm (1/10") in Stainless Steel and Aluminum (1.5kW).
- 6 Meters Bundle Loader with automatic tube OD setup. Suitable for mild steel, stainless, aluminum and various traditionally hard to cut materials.
- Set up for Air Cutting (Standard) or Oxygen and Nitrogen cutting (Optional).
- Used for cutting various types tube shapes, such as: Round, Square, Rectangular and Flat Oval Tubes.
- Typical Working Processes include: Cutting, Angle Cutting, Notching, Hole Making, Slotting, Tabbing
- Working Steps and Performance: Loading + Feeding and Rotation + Cutting + Unloading.

(* Different clamping tools are required for each O.D.)

SOCO i2® CNC Controls:

- User Friendly + Intuitive Interface under Windows OS.
- Built-in library with cutting parameters for various materials, sizes and thicknesses.
- Self-Diagnostics system for maximum safety and Quick Troubleshooting.
- Parts Nesting System Functions to maximize material utilization + minimize wastage.
- Built-in Interface to facilitate the file and programs transfer and management.
- Ability to create files from scratch right at the machine in a single interface.
- SOCO CAD-CAM: Easily create the desired part and convert it into cutting paths.
- Ability to import 3D files in STEP format.

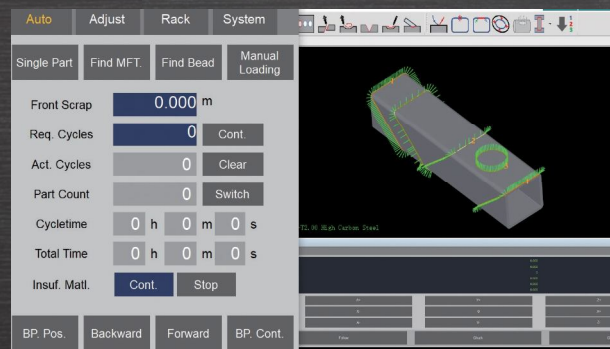
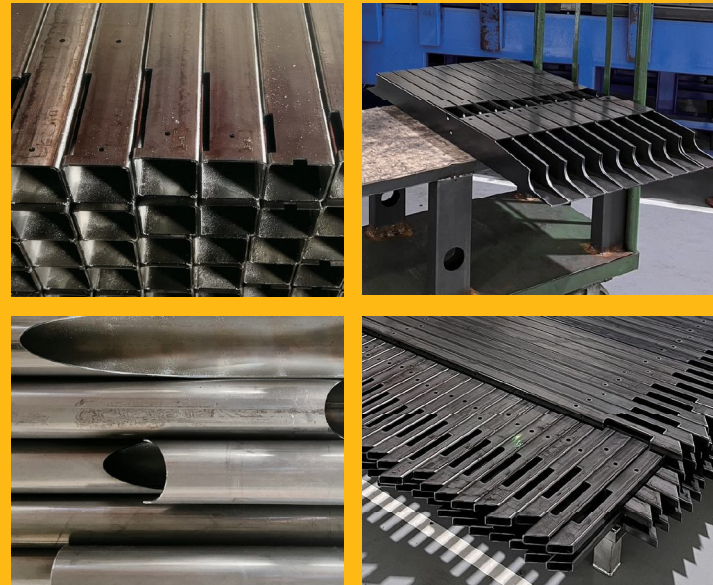
SOCO IRMS (Internet Remote Monitoring System):

Maintenance, Troubleshooting and Diagnostics

- LIVE: Ability to connect to SOCO Laser System using Mobile Phone, Laptop or Tablet to monitor, edit and troubleshoot.
- On-screen I/O table with live signals showing which machine parts are active / inactive for troubleshooting ease, and ability to save screenshots.
- On screen self-diagnostics with explanation of potential errors and solutions.
- Maintenance System: ability to monitor and check machine maintenance list.
- Ability to remotely update SOCO i2 Controls with latest parameters, new features and cutting database.

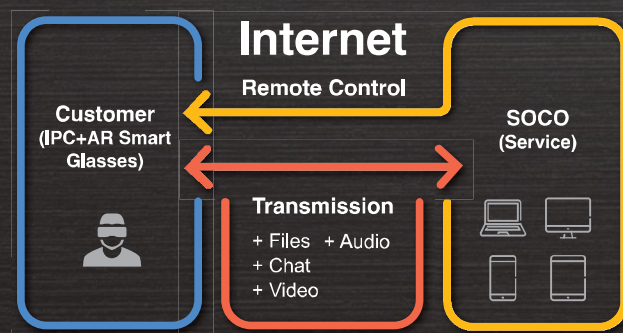
Mass Production:

Quick setup, lower costs, and increased efficiency.



SOCO i2® CNC Controls:

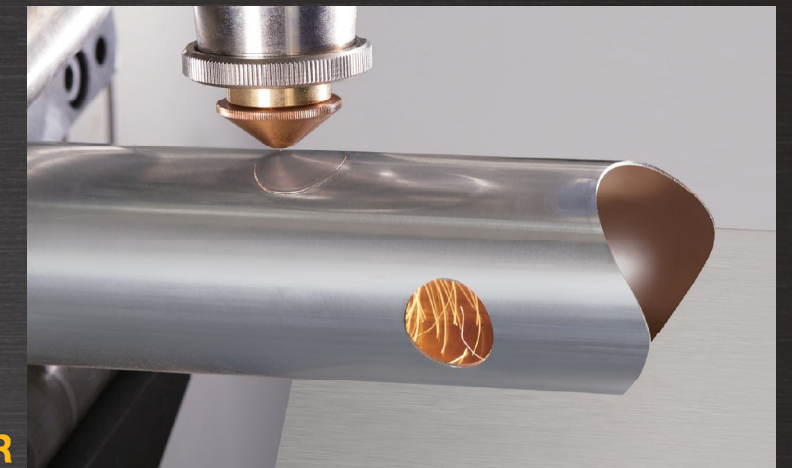
User Friendly + Intuitive Interface under Windows OS. And easily create the desired part and convert it into cutting paths.



SOCO IRMS (Internet Remote Monitoring System)

Maintenance, Troubleshooting and Diagnostics. Live Support from Anywhere, Anytime.

Cutting of various tubes shapes: Round, square, rectangular and elliptical tubes, as well as mild steel, stainless, and aluminum.



ADVANCED LASER CUTTING TECHNOLOGY

High-speed and precise cutting technology:

Repeatable precision is ± 0.03 mm, and Rotational accuracy is $\pm 0.1^\circ$.

