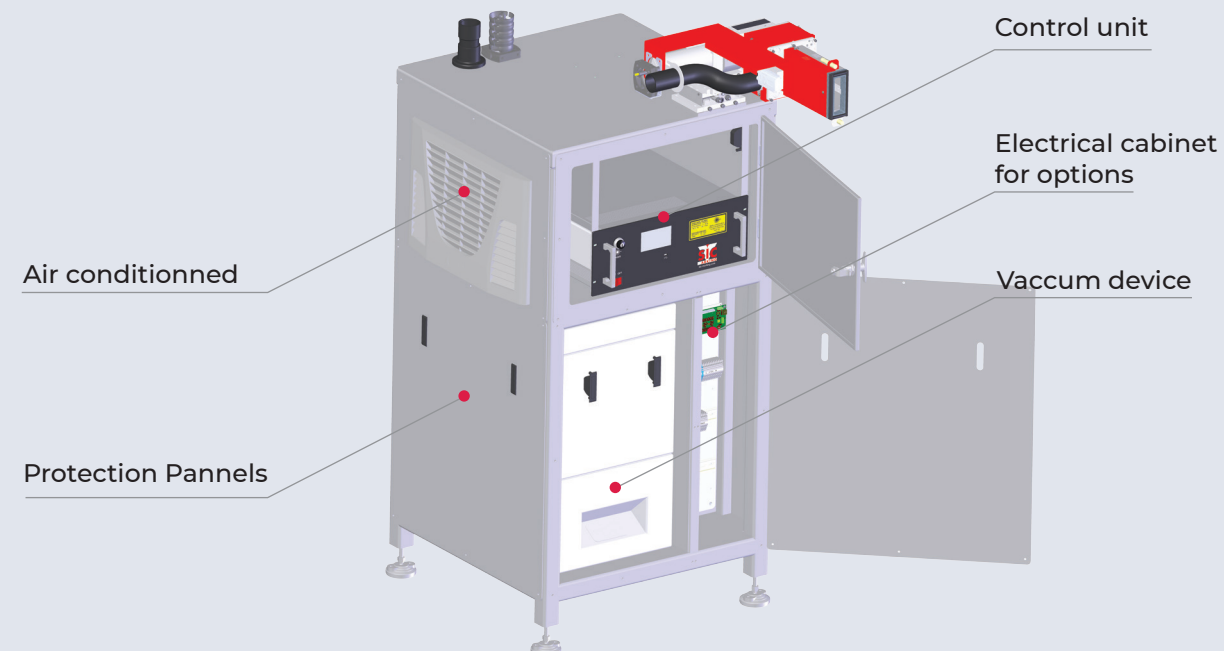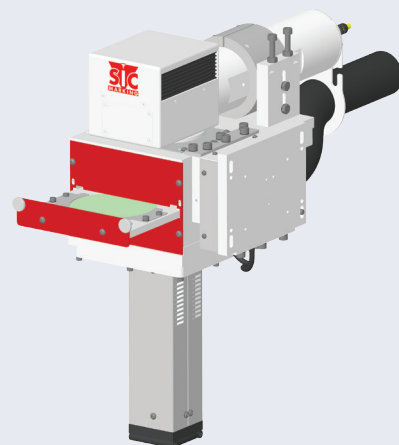## → F.I.T. LASER is designed for production environments

To ensure accuracy & performance over time, **F.I.T LASER** integrates specific features & accessories ensuring the protection & optimal operation of the unit.
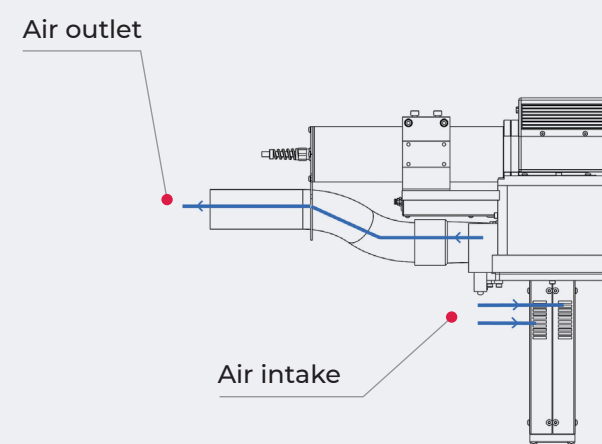
A SPECIFIC CHASSIS CAN HOST THE COMMAND, VACUUM & ELECTRICAL UNITS

Control unit

Electrical cabinet for options

Air conditionned

Vaccum device

Protection Pannels

A PROTECTIVE GLASS DRAWER, EASILY ACCESSIBLE FOR CLEANING

SPECIFIC AIRFLOW & ASPIRATION TO DEFLECT FUMES AND SPARKS FROM THE LASER HEAD

Air outlet

Air intake

CONTACT US

SIC MARKING
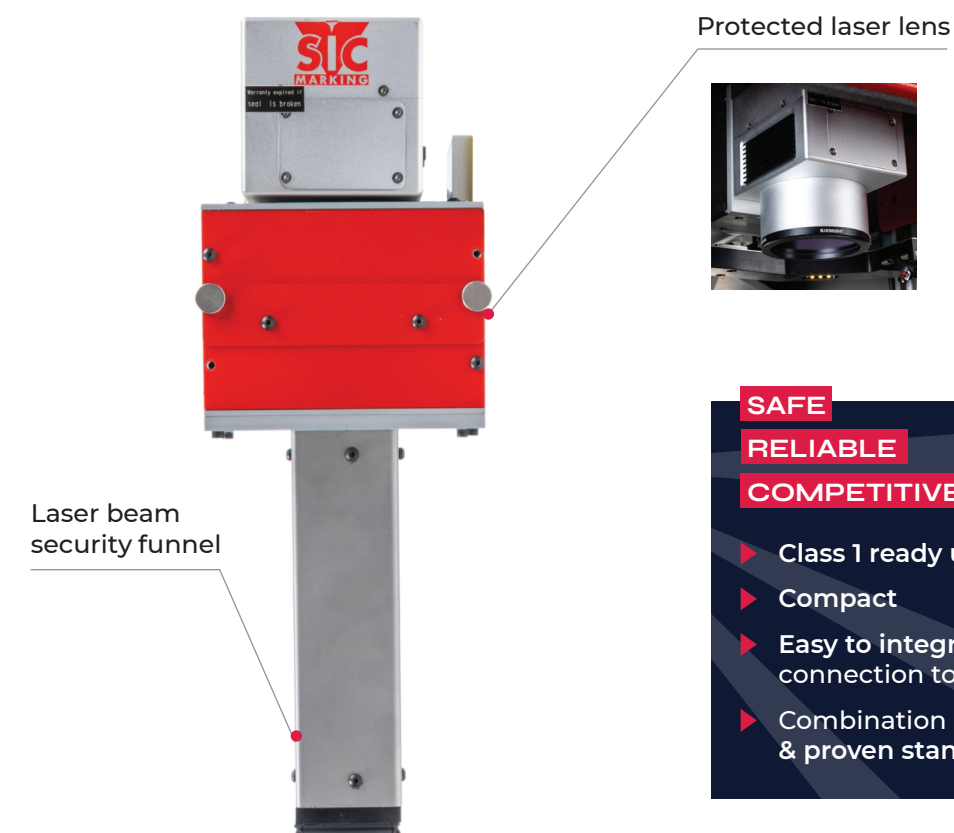Mark today, identify tomorrow

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SIC MARKING
Mark today, identify tomorrow

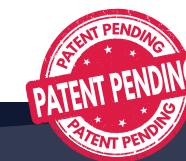# F.I.T. LASER (Funnel Integrated Technology Laser)
Ready to integrate & secure laser marking unit for production lines

F.I.T. LASER is an all-in-one solution that combines all the necessary components & settings to mark your parts in a simple, safe and competitive way within your production line.

Protected laser lens

Laser beam security funnel

PATENT PENDING

SAFE
RELIABLE
COMPETITIVE

▶ **Class 1 ready unit**

▶ **Compact**

▶ **Easy to integrate** with a single connection to your network

▶ Combination of **robust & proven standard** equipment

2 modes of use are possible on the production line : either the **F.I.T. LASER** is mobile and the part to mark is fixed, or the opposite.
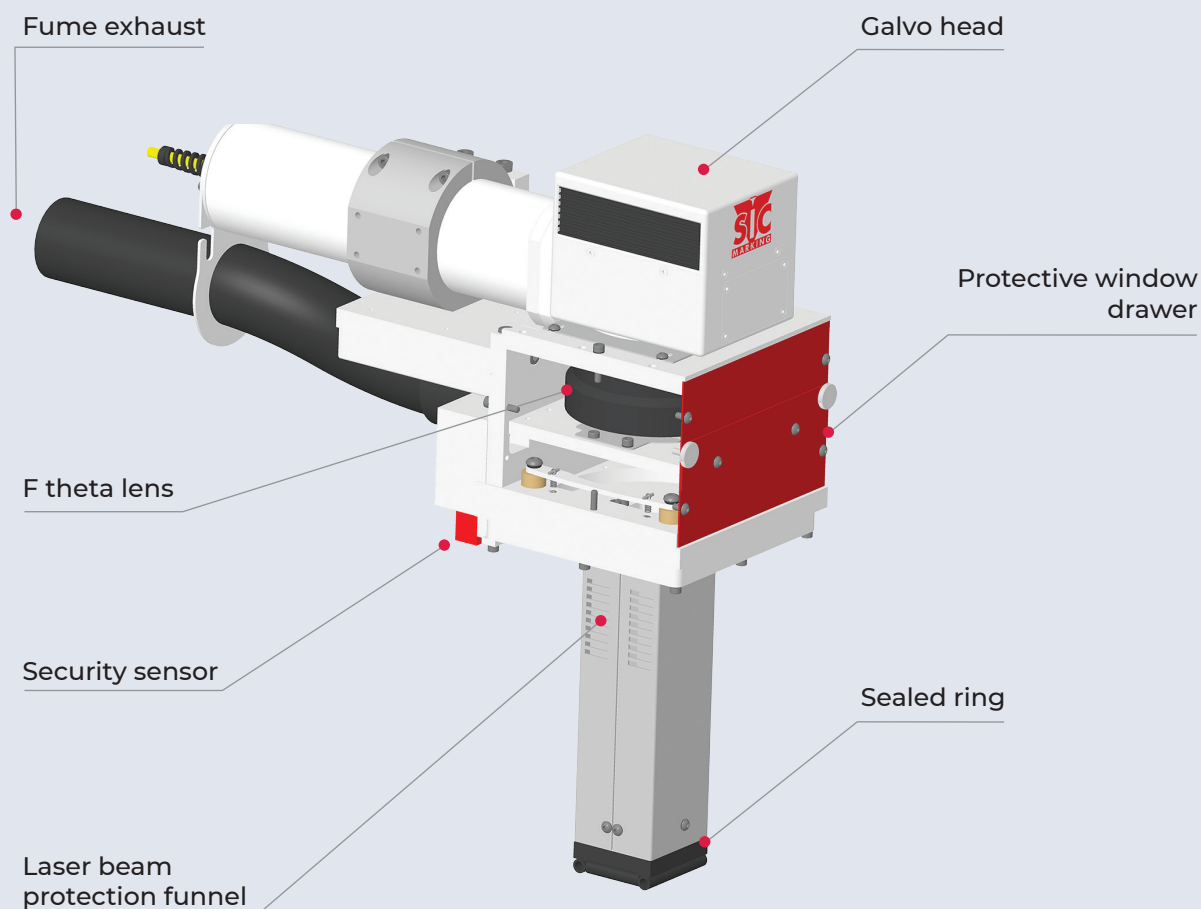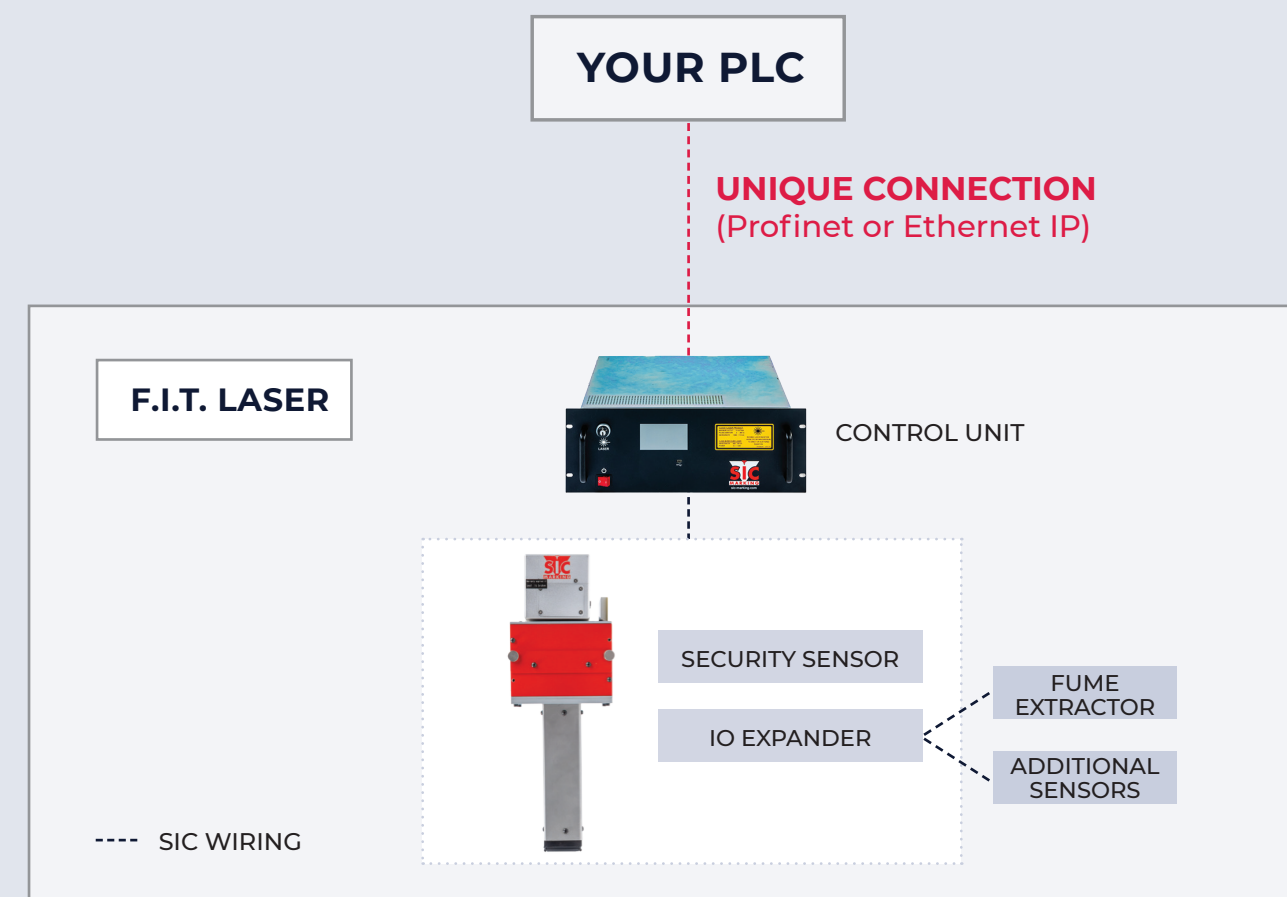
Part to mark

Laser

→ A « Class 1 ready » laser unit

F.I.T. LASER links all the necessary elements to run in line a Class 1 laser unit to mark your parts. For the protection of the laser head, the laser beam is concealed inside a funnel, sealed at the end.

Fume exhaust

Galvo head

Protective window drawer

F theta lens

Security sensor

Sealed ring

Laser beam protection funnel

COMPACT & LIGHT (13 KG)

383 mm

210 mm

444 mm

ADAPTED TO YOUR MARKING WINDOW NEEDS

3 dimensions* available (easily interchangeable)

34 mm x 32 mm   100 mm x 32 mm   100 mm x 100 mm
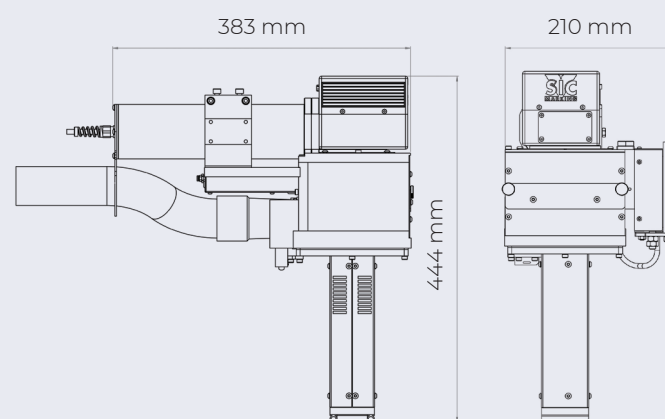
* Other dimensions on demand

→ A single connection to your network

Connecting your PLC to **F.I.T. LASER** is extremely simple. A single Profinet or Ethernet IP connexion ensures a fast and easy integration.
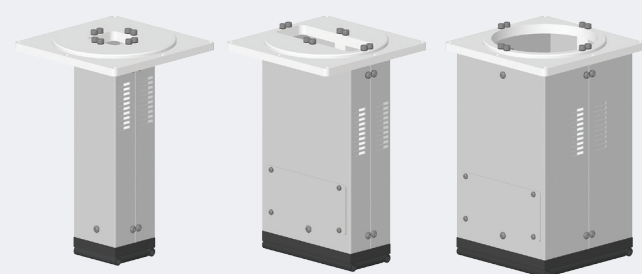
YOUR PLC

UNIQUE CONNECTION
(Profinet or Ethernet IP)

F.I.T. LASER

CONTROL UNIT

SECURITY SENSOR

IO EXPANDER

FUME EXTRACTOR

ADDITIONAL SENSORS

---- SIC WIRING

→ A perfect marking thanks to an integrated autofocus

Integrated compensation within the funnel ensures a perfect marking. The funnel is designed to absorb variations in part dimensions. This device avoids the integration of a costly & fragile electronic autofocus.

- This mechanical autofocus compensates the variations of set-up, piece or part dimensions, range of tolerance, robot moves...

- This compensation system is the guarantee of an ideal focal distance to the marking area for a perfect marking.

Mechanical compensator