



CO₂ Laser

Integrable laser
marking solution

TC500

TC500

Integrable, robust and fast CO₂ laser marking solution.

Inexpensive to run and simple to use, the TC500 laser is the affordable solution for traceability in the automotive, aerospace, medical and plastics industries, among others.

Generating **legible and permanent markings** at high production rates, it excels on all organic materials (wood, rubber, leather etc.) and mineral materials (glass, ceramics etc.) as well as clear plastics and coated metals.



SPEED

Its **galvanometric head** produces ultra-fast markings and is easily integrated into any production line. The TC500 handles the highest production rates (marking speed of up to 10,000 mm/sec).

HIGH-PERFORMANCE ELECTRONICS AND SOFTWARE

Based on Technifor electronics of proven capability in the most stringent of applications, the control unit delivers computing speed and innovative functions. Capable of communicating with your industrial network, the solution is easy to integrate into any production process, from manual or semi-automatic workstations to automated lines.

“ Sealed head for use in industrial environments in the harshest of conditions. ”

Characteristics

- + Robust and industrial design
High standard power: 35 W

- CO₂ laser
- Double focal lens protection

Air cooled

- + Stand-alone and connected

Protected, industrial and isolated Inputs/Outputs

Multiple ports:

- USB
- RS232
- Ethernet

Integrated TL05 traceability software

- 19" 4U dimension control unit
- Compatible with electrical cabinets

Total solutions

Available in an integrable version, workstation or customised version (turntable, automatic door etc.), the TC500 laser is **modular and evolvable** to meet the particular requirements of each individual customer.

Full range of accessories

- CO₂ focal lenses
- Fume extractor
- Class 1 Workstation (door closed)
- Second focusing diode
- Automatic plate loader
- 1D and 2D code reader

EASY TO USE

The **embedded software** incorporates all the functions needed for the identification and traceability of any product (operation without any PC or external software).

Its **wide, backlit screen** enables the user to navigate by means of icons and offers context-sensitive help.

- Marking of logos, fixed, angular, radial text etc.
- Variables: serial numbers, counters, date, team codes etc.
- 1D and 2D codes (barcodes, DataMatrix™, QR codes etc.)
- USB key connection for marking file back-up and software updates
- Links to external databases.





- **Plastics**

plastic moulds, PBT electrical connectors, automotive plastics (POM, Delrin, ABS, PC, PA66 etc.), epoxy, marking and cutting of adhesive labels etc.

- **Organic materials**

leather, wood, cardboard etc.

- **Coated metals:**

removal of the paint coating, anodisation or other treatment without attacking the underlying metal.

- **Mineral materials**

ceramics for electronics, electrical engineering, medical, industrial glass, laboratory glassware, automotive glazing (headlamps, rear-view mirrors etc.)

Automotive
Medical
Plastics
Electronics
Electrics

Electrical engineering
Glass industry
Cosmetics
Packaging
...



Technifor UK

Unit 3 Trojan Business Centre
Tachbrook Park Drive
LEAMINGTON SPA
Warwickshire CV34 6RH
Tel. : (44) 01926 88 44 22
Fax : (44) 01926 88 31 05
sales@tld.technifor.com