



Scribing

Integrable
marking and
traceability
solutions

SCRIBING SOLUTION XF510

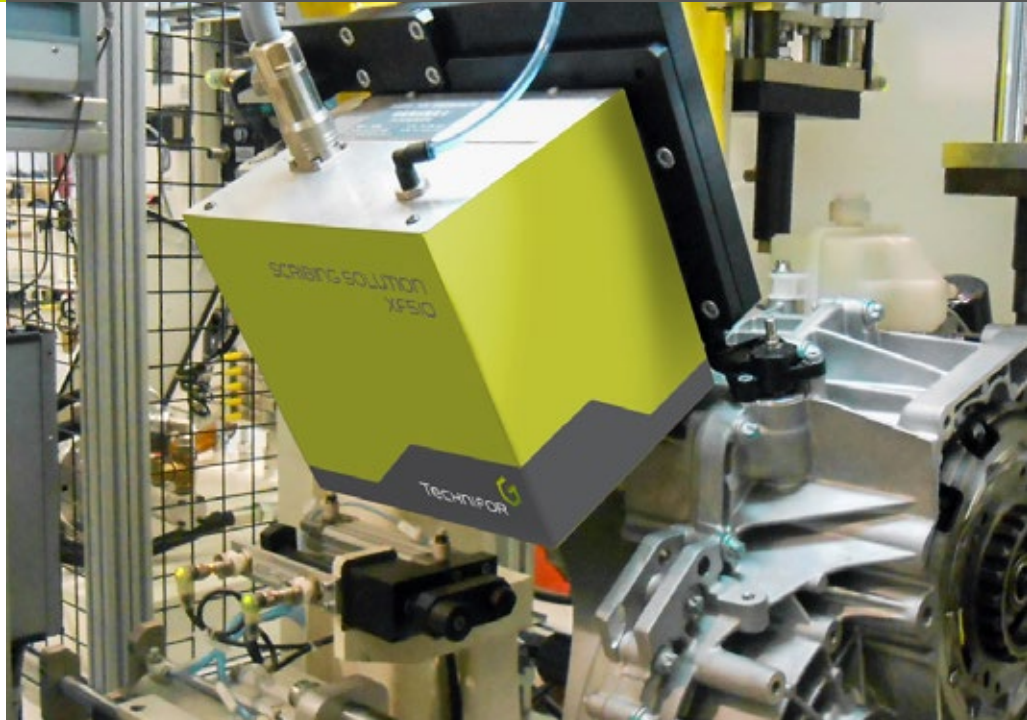
SCRIBING SOLUTION XF510

High-legibility direct marking, without the noise

Combining **speed, precision and quality**, the XF510r solution offers permanent marking directly into the base material.

The technique of scribing is a **very quiet process**, even on high-resonance materials (within the hollow part and sheet metal).

Easy to integrate into a production line, the XF510r machine guarantees **sharp, legible and precise marking** on any part, from the hardest steel to the most fragile finished product.



INDUSTRIAL

High precision linear guides combined with robust mechanics guarantee **unfailing stability and a high degree of marking repeatability**.

With unrivalled scribing speed the XF510r range offers a very high performance, and does not require any consumables. **Compact and robust**, it can be used in the harshest of industrial environments and can be integrated at any angle and in any position.

POWERFUL

Position, power and speed are configurable for perfect marking uniformity.

From light scribing on plastics and slender parts to deep marking on steel, before or after treatment (painting, sanding, shotblasting etc.). The XF510r range adapts to the mechanical properties of each individual part.

“ The ideal solution for 2D DataMatrix™ codes:

This kit allows for perfect marking of codes and text in record time.

”

Characteristics

- + **Quiet**
Designed for industrial integration: compact and robust
Low-energy

Tough and reliable guide system



3 marking areas:

- 40 x 50mm
- 80 x 50mm
- 160 x 50mm

High-rigidity guide rails

High-precision ball screws with zero play

High-performance styluses:

- High amplitude
- Anti-burrs
- Diamond tip



Connective control unit:

- Dedicated 8I/4O
- RS232
- USB
- ETHERNET
- PROFIBUS - PROFINET (optional)

Full range of accessories:

- Wide range of styluses and tips
- Height setting system
- Protective shutters and boot
- Windows® T500W Marking Software
- Head-CCU cable up to 15m, standard or robotic
- Motorised Z axis
- 90° elbow connector for orientation of the cable
- Column frame
- Button box control
- DataMatrix™ kit
- Barcode, OCR-A, 2D codes reading camera

EFFECTIVE TRACEABILITY SOLUTION

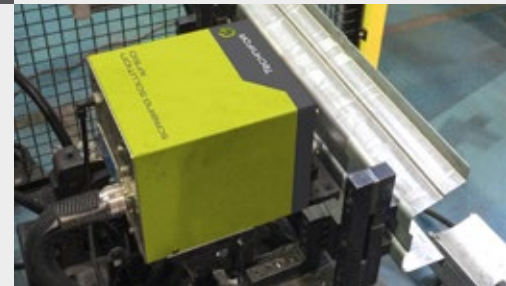
Complete with all identification and traceability functions, the T05 software controls the marking head, either completely stand-alone or connected to a PLC.

It communicates with your databases and processes the information received by code reading (barcodes, DataMatrix™ codes etc). Extremely useful for VIN marking, it offers anti-duplication verification prior to marking (optional).

SIMPLE TO USE AND EASILY INTEGRATED

With its embedded communication tools and pre-programmed functions, the XF510r can be readily integrated into automated assembly and production lines, for minimised integration time and costs.

Its flexibility makes it easy to fix to a workshop column or workstation for stand-alone working or connected to a PC.





- **Permanent identification of each individual part:** serial number, reference number, manufacturer's name, logo, date, 2D code Datamatrix™, QR code etc.
- **Deep marking:** durable result, unaffected by finishing operations, painting, contaminants etc. Counterfeit, control, VIN marking.
- **Complete traceability system:** marking, codes reading, data recording.
- **Compliance with standards:** CE marking, country of origin, organisation number, automotive standards, manufacturer's plates etc.

Automotive
Aircraft
Mechanics
Metallurgy
Plastics industry

Motorbikes and
cycles
Oil and gas
Agricultural
equipment

Construction
Identification
plates
...



Certified sites:
France: Gravotech Marking SAS
China: Gravotech Engineering
Equipment Co., Ltd.

GRAVOTECH MARKING SAS

466, rue des Mercières
69140 RILLIEUX LA PAPE
Tél : +33 478 558 552
Fax : +33 478 558 560
tf@technifor.com