



Electromagnetic micro-percussion marking

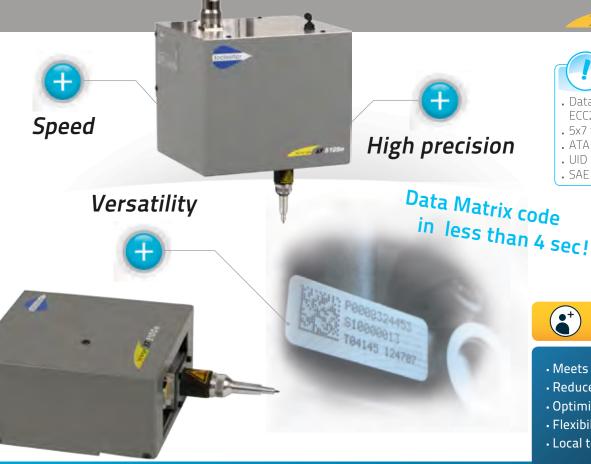


QUALITY / PRECISION











Safety and protection

- . Data Matrix™ ECC200
- . 5x7 font DT05-89
- . ATA Spec2000
- . UID
- . SAE AS9132
- . NASA-STD-6002
- . MIL-STD-130
- . AIAG B-17,
- AIAG B-4
- . ISO/IEC 16022
- . AIM-DPM...



- Meets global quality specs
- Reduced integration costs
- Optimized production
- Flexibility
- Local technical support

Easy to integrate

High precision marking solution for traceability and identification of any part

PRECISE

Indent permanent marking

Micro-impacts create durable marks, without stressing the part and without any burrs.

On any component

Text, serial number, date, logo, 2D code..., the **high amplitude** stylus of the XF510m range enables marking parts of any shape and material: raw, machined, flat, convex, concave...



Meets the criteria for "Excellent"

Conceived to comply with the most demanding quality norms (aerospace, automotive, defense, nuclear...):

- highly rigid mechanics: to ensure quality and repeatability of the marks
- high-end guides: dots are perfectly aligned.
- high performance marking stylus: optimized management of the position and force of each impact

Ideally suited to mark **Data Matrix™ codes** (ECC200, UID...) and 5x7 font.

HIGH PERFORMANCE

XF510m new generation

Time-saving cycle: 2X speed, backward and forward marking, origins can be adjusted close to the mark.

Innovative electronics: speed, ease of use and connectivity (RS232, USB, Ethernet, Input/Output board...)

Versatile

The stylus produces the desired marking result:

- Fitted with a powerful electromagnet it can mark any material (up to 62 HRc).
- From very light to deep marking, software control allows fine tuning.

Economical and environmentally respectful

Direct Part Marking (DPM): no sticker, ink or other additives

No consumable: stylus point can be resharpened.

Safety: no harmful product, no additional protection required, micro-impacts are not hazardous for the operator.

"Premium quality in short cycle time"

Lightweight, fast and compact: ideal for integration on production line or control station

INDUSTRIAL AND RELIABLE

Interactive: it allows data sending / receiving and flexible control (linked to a PC, PLC or on its own...).

Electromagnetic energy: no need for compressed air, very silent process

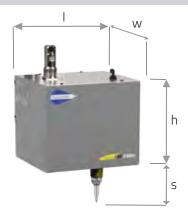
Unfailing traceability

Robust and **easy to use**, it can be integrated for operation in any position.

User-oriented conception: simple mounting (2 M8 holes), data saving, quick connect components for easy maintenance

Reliable: acting as marking expert and supplier to the largest industries worldwide, **Technifor** has a proven track record on many applications and in the harshest environments

Technical characteristics



			_
	XF510Cm	XF510Sm	
1	158 (6.2")	231 (9")	_
W	102 (4")	195 (7.7")	
h	166 (6.5")	192 (7.5")	
h+S	260 (10.2")	286 (11")	
	4,7 kg (10.4 lb)	9,1 kg (20 lb)	
	1,7 1.6 (10.410)	311 116 (2010)	

Marking areas: 50 x 20 mm (1.9 x 0.8") 100 x 80 mm (3.9 x 3.1") 200 x 80 mm* (7.9 x 3.1")

* Larger areas available on request

Dimensions in mm

- . Integrable marking heads
- . Cord orientation: vertical or horizontal (90° adapter)
- . Carbide stylus points: 60° 90° or 120° angle depending on the application

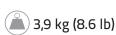
(TIF, 2D, 3D drawings, integration guides... available on request)

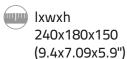


(1.4) $\geq 0.5 \text{ mm} (0.02") \text{ by step of 0.01 mm} (0.0004")$

UC500m control unit









T05 integrated marking program

- User-friendly with icons and pop-up help
- Large 5.7" backlit screen with graphic preview
- Multiple marking data management: texts, logos, variables, date and time, counters, serial numbers, 2D codes, etc.
- Flat, angular, radial marking, etc.
- Memory capacity over 1 000 marking files
- RS232, Ethernet TCP/IP (Telnet) connections and Input/Output
- USB drive for logos, fonts, files... import/export
- Communication with customer environment: data reception, link to databases, information exchange, etc.
- Flexible control: linked to a PC, PLC or on its own
- · Program and documentations available in more than 15 languages
- · External keyboard (provided)



Safety and protection

The machine conforms to the following directives:

- "Machinery" 2006/42/EC
- "Electromagnetic compatibility" 2004/108/EC
- "Low voltage" 2006/95/EC
- "WEEE" 2002/96/EC
- Directive 2002/95/EC (RoHS)

Environment and power supply



- · Power: 360 W
- Power supply: 90-230 V AC
- Functioning temperature: +5 to +45°C (+41 to +113 °F)





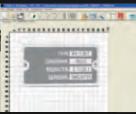
Column frame

UC500 rack (5U 19"), start panel, footswitch pedal

Data Matrix™ code reader



90° adapter



Height setting de (± 22 mm)

Applications

XF510m: marking precision and versatility in a robust and easy to use solution







+ Identity

Distinguish parts with a logo, a reference, a serial number, a date, a code...: mechanical part, electric casing, electronic connector, bearing, tool...

+ Traceability

Mark each part directly with a unique identification code that can be read throughout its lifetime: Data Matrix™, QR code: turbine blade and shaft, engine part, transmission, gearbox, casing, sensor, tube...

+ Safety

Protect from counterfeiting with a durable mark, improve quality and safety of the manufacturing process, ensure stock reliability: chassis, frame, lock and key, armament part, aerospace component...

Visit us at www.technifor.com to see our complete range of micro-percussion, scribing and laser solutions:

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