



Driven by T05 software (included)

Integrable
electromagnetic
micropercussion
marking solutions

DOT Peen SOLUTION XF510^m

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FAST, EFFICIENT, RELIABLE

Developed by Technifor, supplier to the world's biggest industries, the integrable XF510m Dot peen marking solution range has proven its efficiency in numerous high-added-value applications in the most demanding environments: aerospace, defense, nuclear etc.

Benefits for users:

- Highly reliable micropercussion technology, consumable-free
- Increased productivity
- Reduced integration costs
- International technical support
- Versatility



Each solution comprises a marking head, a control unit and the T05 piloting software.

Control unit and integrated control software

The UC500m control unit drives all the 5th generation Technifor electromagnetic marking heads.

Its very powerful electronic system offers over 20 advanced functions, thus allowing the marking of all types of data: fixed, variable, angular, radial text, logos and customized fonts, Data Matrix, QR code, Excel/Access database link and a memory storage of over one thousand marking files.

Totally connected with your environment, the UC500 is the most communication-capable control unit in the market: RS232, USB, Ethernet TCP/IP, Profinet/Profibus Protocol ports, 8 In/4 Out board. This advanced connectivity provides easy integration into all production lines.

Our focus: the M1HR stylus

Equipped with a coil and high-strength guides, this stylus enables marking at speeds not achievable with traditional stylii.

The advantages of the XF510m Dot peen marking solution range



Marking field

XF510Cm	50 x 20 mm
XF510Sm	100 x 80 mm
XF510Dm	200 x 80 mm

Standards met

- 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...

Accessories

A comprehensive selection of accessories:

- Wide range of stylii
- Height adjustment system
- Mobile shutters and protective boot
- T500W marking software in Windows®
- Head-CCU cord up to 15 m (standard or robotic)
- Motorised Z axis and surface sensor
- Adaptation support for head orientation
- Part rotation systems
- Column stand
- Barcode, OCR-A, 2D code etc. reading camera.

Marking heads

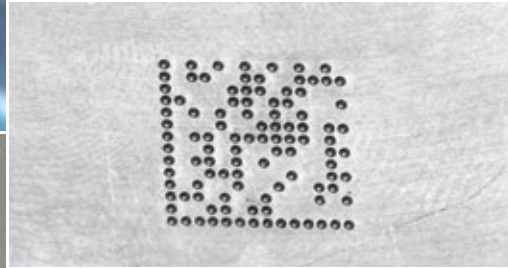
Designed to meet the most demanding of standards, the XF510m heads produce high-precision marking of unrivalled quality.

These marking machines conform exactly to the desired results on all materials. The position and force of each impact are fully controlled:

- extremely rigid mechanical parts: delivers marking quality and repeatability.
- high-precision guides: perfect alignment of the points
- high-performance coil combining a powerful marking force and ultra-precise adjustment: from the light line on strip to deep marking on steel, each impact can be defined to the nearest micrometer.

Compact, these heads are very easily installed and integrated into the existing production line, turntable or control station etc.





The XF510m Dot peen marking solution range marks all materials and part shapes up to 62 HRC: raw, machined, painted, flat, convex, concave etc.

- traceability - ideal for the marking of 2D codes (Data Matrix, QR Codes), variables, counters
- product identification: marking of text, references, serial numbers, dates, logos, 5x7 fonts etc.
- counterfeit protection through direct and unmodifiable marking: mechanical parts, keys, aluminium casings, arms components, aircraft components etc.

Automotive
Steel construction
Military and armaments
Aircraft construction
Railway construction
Health

Public and industrial
equipment
Mechanics
Plastics industry
Metallurgy, iron work



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