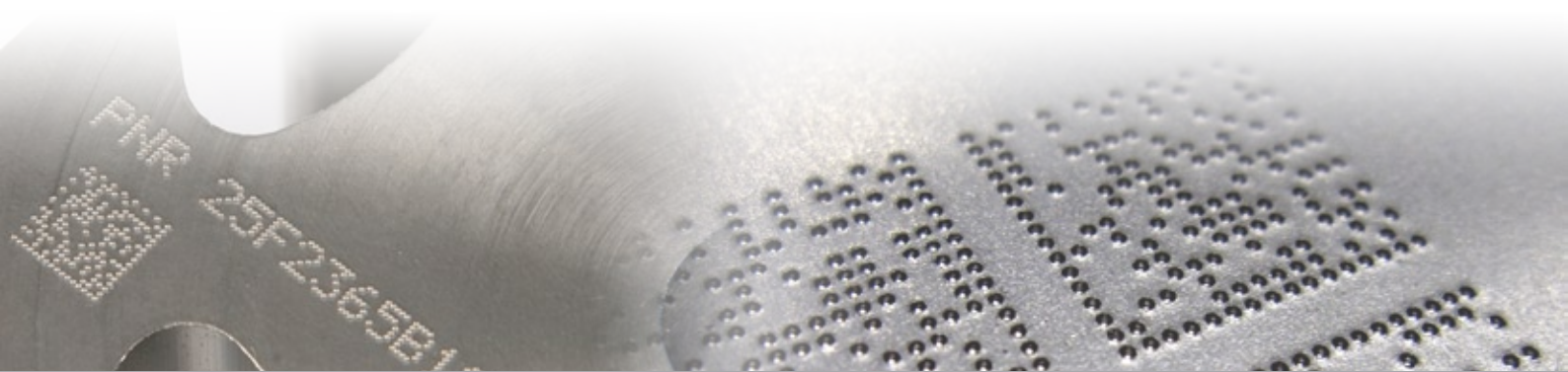![technifor]

X-range **MR7000**

Direct
part marking
traceability

MARKING / READING

X-range **MR7000**

Micro-percussion
Electromagnetic

DataMatrix™
code reading

Motorized adjustment

High precision marking

Instant reading

User's benefits

- Global offer: marking + reading
- Answer to your customer tracking specs
- Opening new markets
- Optimized production
- Easy-to-use
- Improved access to historical data
- Reduces the risk of counterfeit parts

Mark'n Read™ traceability solution

ALL-IN-ONE	EASY AND VERSATILE	HIGH PERFORMANCE

Unique
Powerful **marking** and **reading** systems in a **cost-effective package**

Efficient
Marks permanently with serial number, reference, logo, DataMatrix™ code (ECC200) and **tracks** the part throughout its entire life

Premium
3 motorized axes ensure **precise positioning** of the marked dots. **High legibility** even on the smallest codes

Compact and silent
Self-contained with built-in controller, the MR7000 can be installed on a table or simple desk, no compressed air required

Simple
Enter text – Visualize on large screen – Mark – Validate

Fast change-overs
Autosensing of the surface to be marked

Versatile
Marks any part shape without stressing the material (titanium, steel, aluminium, cast-iron, plastics, etc.)

Safe
The Z axis movement is activated by a two-hand push button system to avoid any risk of injury to the operator

Accurate positioning
Solid design, high precision guides and electromagnetic stylus guarantee **accurate**, **constant and repeatable** marks

Easy and immediate reading
Easy reading of the DataMatrix™ code: **simple and reliable** production **control** that eliminates the risk of reject batches

Interactive
Extensive connectivity with multiple **data entry and reception** (bar code, USB, database merging...), **data saving** of important part information in **historic files**. The MR7000 is adaptable to every production environment

"Encode for life"

Technical characteristics

L	601
l	300
h	775

Dimensions in mm

Marking area: **100 x 120 mm**

Marking and DataMatrix™ code reading solution

1 Stand-alone machine with motorized Z axis composed of:
- Programmable working heights to mark different size parts (in absolute) or same part at different levels (in relative)
- Touch sensor for surface height detection
- Two-hand control for safe Z axis movement
- Part height up to 280 mm
- External keyboard and marking area lighting
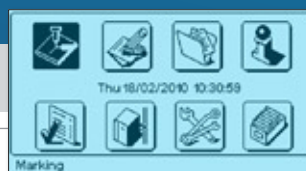
2 Handheld reader (DataMan 7500)

35 kg

≥ 0.5 mm by step of 0.01 mm

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

Built-in control unit

Thu 18/02/2010 10:30:59

Marking

HFCN-94137-101297

Integrated marking program T05

- **User-friendly T05 software** with icons and pop-up help
- **"All inclusive"**: texts, logos, serial numbers, variables, date and time codes, counters, DataMatrix™ codes, 5x7 font, etc.
- Flat, angular, radial **marking**
- **+ "Write Line" feature** for **historic file export**
- **+ "CSV" feature** to import/export to **databases**

- Wide **5.7" backlit screen** with **graphic preview**
- Memory capacity **for over 1 000** marking files
- Connectivity: keyboard, bar code reader plug, USB port, TCP/IP (Telnet) Ethernet...
- Simple user / **password access**
- **Multilingual** and **multi-keyboard**

Environment and power supply

- Power: 360 W
- Power supply: 90-230 V AC
- Functioning temperature: +5 to +45°C
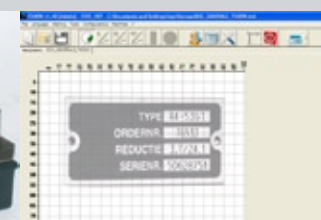
Safety and protection

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

Accessories

Part rotation device DMC

Automatic plate feeder PFD500

Footswitch pedal

Soundproof plate holder + clamping

T500W Windows® marking software

Applications

The MR7000 is the solution to successfully perform part traceability for every industry.

+ Traceability of safety critical parts
Identify products, store and read information during entire life cycle:
turbine blades, turbine vanes, segments, precision gears...

+ Direct DataMatrix™ coding on small and medium batches of parts
Mark serial number, 2D DataMatrix™ code, logo and avoid label:
mechanical and automotive parts, toolings, screws, nameplates...

+ High legibility marks on all components
Small parts, limited marking area, difficult material, recessed surface, marks resistant to surface treatments, every product can be direct identified:
optronic parts, pump body, electronic locks, transmission cover...

A cost-effective but high precision solution to mark valuable parts

Aerospace Mechanical Automotive Military equipment Tooling Defense Nuclear Armament Locks and keys Electronics 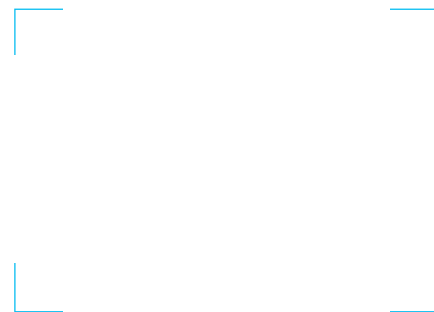ID plates • • •