TECHNOmark®

CREATIVE TRACEABILITY

MULTI4®

DOT PEEN & SCRIBING

TECHNOmark®

EXPERIENCED PROVIDER OF INDUSTRIAL MARKING AND TRACEABILITY SOLUTIONS

For 10 years of creativity, innovation and experience,
Technomark has become a reference in its market.

EXPERIENCED IN MARKING TECHNOLOGIES

TECHNOMARK offers two direct part marking technologies:

ELECTRO-MAGNET DOT PEEN

The concept is to create characters, symbols and codes by cold forming dots directly into the work piece material through an oscillating stylus. This method creates a permanent, low stress mark on most materials under 63 HRC.

PNEUMATIC SCRIBING

The principle is based on penetrating a stylus into the material by pneumatic pressure and creating highly visible, continuous line characters. The scribing process is quiet, less than 72 dB(A), and ideal for marking applications where excessive noise may be an issue, for tooling of high hardness and also aesthetical marking.

QUALITY MARKING AND ENVIRONMENTAL FRIENDLY.

Currently, TECHNOMARK is the only company in France to have obtained both of the following certifications: **ISO 9001** Version 2008 and **Investor in People**.

ISO 9001 BUREAU VERITAS Certification

INVESTOR IN PEOPLE

Emphasis of Certification:

- Its knowledge base and quality management
- Its interpersonal skills and the quality of its management

98.2% of our clients judge the quality of our products satisfying and 97.3% of them would recommend us.*

**Study realized in December 2013 by the Prestance office.*

1 PRODUCT
4 CONFIGURATIONS

- Easier to use: simplified user interface, intuitive navigation, new and improved features.
- More intuitive: icon based navigation menu allows for quick understanding and operation of the software.
- Improved handling: support foot, controller handgrip and handle on the marking head (optional).
- Reduced weight: marking head weight reduced by around 400 grams.

INTELLIGENT TECHNOLOGY

5 times more tolerant compared to conventional machines

IDI Mark&Track is the intelligent driving impact developed by Technomark. It analyzes the distance between the part and the stylus in order to ensure a marking quality never before known.

This **unique function** automatically adjusts the contact force and the slightest variance of the marking in a fraction of a second due to a permanent impact control.

Divide your traceability investment by two

This intelligent system is able to predict production outages and significantly reduces their duration due to automatic functions that determine maintenance requirements.

(1) Marking with IDI Track

(2) Marking without IDI Track

Patent n°EP-06 764715.6

Displayed model : Multi4 200

MULTI 4® Bench

For very small, to medium sized parts

PRECISE

Multiple setting options for optimal positioning of the marking head.

SMART

Fast vertical height adjustment with "Quick Shift" feature (see technical features).

SIMPLE

Ergonomics is optimized for marking many different part configurations.

EFFICIENT

Easy to start marking, from a single to mass production.

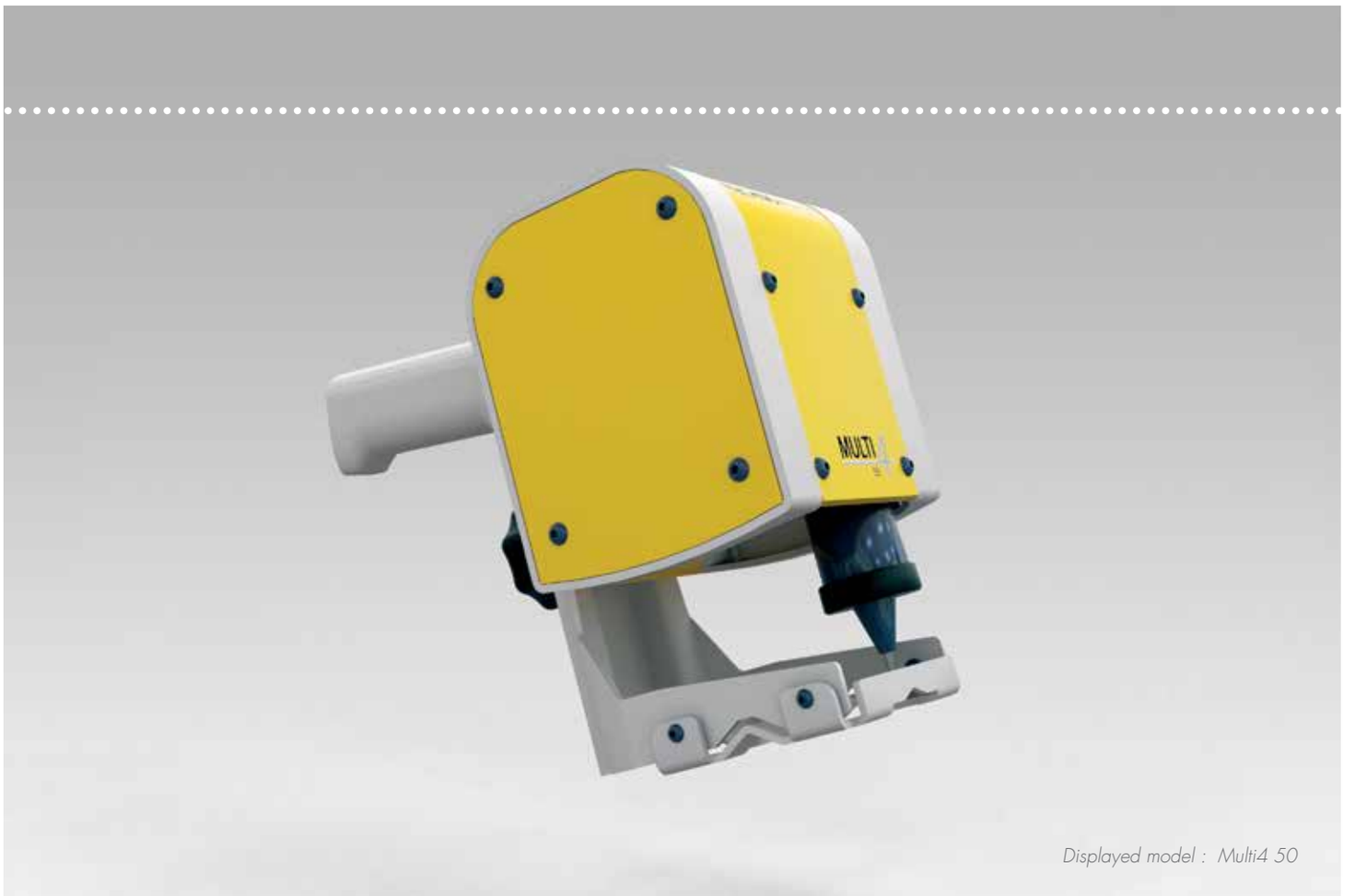
MARKING APPLICATIONS

(1) Marking of a nameplate

(2) Marking of a serial number on a metal part


1

2



Displayed model : Multi4 50

MULTI 4 Hand-Held

Ideal for large and cumbersome parts

AUTONOMOUS

With (optional) battery kit, it can be used in locations where an electric source is unavailable.

STRONG

Its cast aluminium frame makes it more robust and stronger while diminishing maintenance needs.

EASY TO USE

Its specially designed locator allows for excellent support while marking.

HANDY

An additional handle (in option) is mounted to the marking head for increased stability, regardless of head position.

MARKING APPLICATIONS

(1) Marking of a cylindrical part in bronze

(2) Multi lines radial marking

1


2

Displayed model : Multi4 120

MULTI 4® Combo

Fits with all kind of parts and needs

DIVERSE

From small components to parts weighing several tons.

INTUITIVE

With its user friendly software, the Multi4 Combo is very simple to use.

FLEXIBLE

In less than 10 seconds, without tools, the Bench version can be converted into a Hand-held.

VALUE FOR MONEY

Based on its flexibility, you receive two configurations in a single marking system.

MARKING APPLICATIONS

(1) Serial number with a logo

(2) Datamatrix marking

1

2

Displayed model : Multi4 50

ⓘ

Hand held, bench or combo configurations can be transformed into an integrated configuration for simple applications

MULTI 4 Integrated

Compact, fits perfectly into automated processes

ADAPTABLE

With its small footprint, integration into automated production lines is simple and easy.

EASY TO CONFIGURED

The Multi4 can be controlled from an external source through the serial port, robot or Ethernet connection.

PRODUCTIVE

Possible to mark several characters per second.

SMART

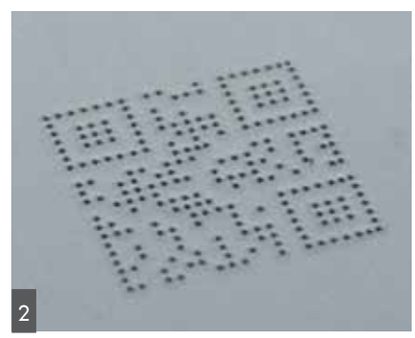
Real-time Multi4 monitoring for analysis of maintenance needs, stylus wear and detection faults (auto-diagnosis feature with 5 control points).

MARKING APPLICATIONS

(1) Standard OCR-A marking on steel

(2) Marking of a Q.R code

1



2

MULTI4 CONTROL UNIT

- High resolution (640x480) colour screen with icon based navigation
- Intelligent handling of the marking
- RS232 connection, 3 Inputs / 4 Outputs, Ethernet (option)
- 2 USB : Device Port & HOST
- Additional axis management in option (4 axis in total)
- Embedded software in 21 different languages.
- Memory capacity of 40Mb of memory can accommodate up to 20,000 stored, marking files (40 characters, 1 line)
- Well designed ergonomics (locating foot and carriage handle)
- Fast updates in less than 2 minutes through USB port
- Various marking modes: Text, variable data, serial number, data codes, logos and 2D codes.
- Straight, angular, circular and radial marking
- « Easy Shift » feature : allows to display text moving in the marking window.
- (L x W x H) : 370 x 215 x 139 mm
- 3.7 kg (including power card)
  4.9 kg (including optional battery)
- 3 axis as standards

MAIN ACCESSORIES AND OPTIONS

Magnetic head support

Standard Rotary D axis

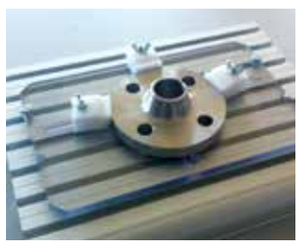
Transport trolley

Maintenance kit

Bench with motorised column with automatic adjustment of stylus/part distance

Bar end tool

Plates support



Parts support

TECHNICAL DETAILS

	MULTI 4 Bench	MULTI 4 Hand-Held	MULTI 4 Combo	MULTI 4 Integrated *see page 7*
MARKING HEAD MODELS				
Head 50 (L x l) (mm)	50 x 60	50 x 60	50 x 60	50 x 60
Head 120 (L x l) (mm)	120 x 60	120 x 60	120 x 60	120 x 60
Head 200 (L x l) (mm)	200 x 60	200 x 60	-	200 x 60
Head 200 XL (L x l) (mm)	200 x 200	-	-	200 x 200
TECHNICAL CHARACTERISTICS				
Marking window (L x l) (mm)	200 x 60	50 x 60	120 x 60	50 x 60
Head (L x l x H) (mm)	295 x 144 x 226	145 x 266 x 226 *(Excluding upper handle / including gun kit)*	215 x 266 x 226 *(Excluding upper handle)*	165 x 150 x 223
Bench (L x l x H) (mm)	412 x 310 x 656	O	412 x 310 x 656	O
Weight (Head) (kg) *(Excluding the cable)*	4,66	4,48	4,19	3,98
Weight (Bench - Column) (kg)	18	O	18	O
POWER AND ENVIRONMENT				
Power (W)	250	250	250	250
Frequency (Hz)	50 to 60	50 to 60	50 to 60	50 to 60
Input Power (V)	90 to 240	90 to 240	90 to 240	90 to 240
Operating temperature (°C)	0 to 45	0 to 45	0 to 45	0 to 45
STANDARDS				
2006/42/CE «machines» directive	●	●	●	●
2004/108/CE «CEM» directive	●	●	●	●
2006/95/CE «low voltage» directive	●	●	●	●
FCC Chapiter 15 directive	●	●	●	●
ACCESSORIES AND OPTIONS				
4th axis	O	-	O	-
Suspension hook	-	O	-	-
Heavy duty rotary D axis	O	-	O	-
Standard rotary D axis	O	-	O	-
Electric up/down Z axis	O	-	-	-
Start/stop box	O	-	O	O
5 or10m cable	-	O	O	O
8 Inputs/Outputs card	O	O	O	O
Automatic nameplate/tag feeder	O	-	O	-
Transport trolley	-	O	O	-
Electrical column	O	-	O	-
Extended column (+100 mm)	O	-	O	-
Battery kit	-	O	O	-
Maintenance kit	O	O	O	O
Bench kit	●	O	●	-
Bar-end tool	-	O	O	-
Software pack	O	O	O	O
Support foot	-	●	●	-
Magnetic head support	-	O	-	-
Cycle start footpedal	O	-	O	-
Ethernet port	O	O	O	O
Additional holding handle	-	O	O	-
Extended bench	O	-	O	-
90° cable connection	-	-	-	O
Protective cover	O	O	O	●
Parts support	O	-	O	-
Plates support	O	-	O	-

● *Serial* O *Optional* - *Non available*

CUSTOMIZATION

With experienced Engineering and R&D departments, Technomark can develop specific solutions to meet your Direct Part Marking requirements.
We do also propose complete traceability solutions.

In our R&D department, our development team is working in two areas of expertise:

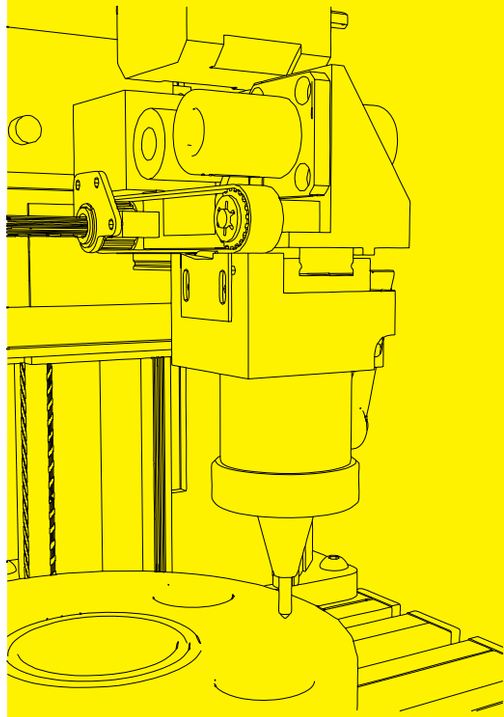
- Custom engineered integration and automation for direct part marking.
- Software adaptation based upon your marking requirements.


1


2

(1) Custom engineered solution developed for industrial valves

(2) MEDIKal® solution developed for marking and tracking surgical instruments



READING

Technomark offers a complete range of the latest reading technology for 1D barcodes and 2D codes including Datamatrix codes, QR codes, standard OCR and OCR-A fonts.

Those reading systems exist both in Hand-held or Fixed version.

Datamatrix code reading

SOFTWARE

Technomark offers a set of software dedicated to:

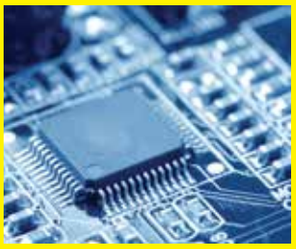
- Create logos with TECHNOLOG
- Production follow-up with TECHNOPROD
- Datamatrix (2D) encoding with TECHNOMATRIX
- Files transferring and backuping with TECHNOSAVE
- PC based Windows software with TECHNOWINDOWS

APPLICATIONS

Our expert knowledge is used in various industrial sectors:
Aerospace, Automotive, Defense, Medical, Nuclear, Metal working

Aerospace

Automotive



Electronics

Energy

Rails

Lifting / Civil Engineering

Mechanics

Medical

Metals

Motorcycle

Oil drilling

Lorries

Metal working

TECHNOMARK's services

Pre Sales

- Feasibility study
- Samples making
- On site free of charge tests
- Financial solutions

After Sales

- Phone support
- Service
- Factory maintenance contract
- Factory or on site maintenance contract
- Product trainings to match with your needs
- Loan of material

TECHNOMARK global presence

Our network is settled in 45 countries and 5 technocentres.

TECHNOmark®

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