Automator

MARKING SYSTEMS

GENERAL CATALOGUE

1940 | PRESENT DAY

Automator provides quality designs, world class production and sales of industrial marking machines and systems worldwide since 1940.
In 2020, Automator celebrated its 80th year in business. This means 80 years of knowledge in International Industrial Production in all market segments and all product marking applications! 80 years in satisfying customers with excellent pre and after-sales support! 80 years in Research & Development for machine innovation. With emphasis on inventing new technologies, improving existing technlogies, and contributing year after year to push the whole industrial part marking sector towards new goals and new horizons.

Since its early years, **Automator** has always focused on industrial marking. Always imagining, planning and providing the most advanced technologies for this industry.

AUTOMATOR: BRINGING THE FUTURE TO THE INDUSTRIAL MARKING SEGMENT

1940 - 1950
MECHANICAL MACHINES

1960 - 1970
PNEUMATIC AND ELECTRIC-PNEUMATIC IMPACT MACHINES

1980
DOT PEEN ELECTRONIC MARKERS

2000
LASER MARKER

How can one of our customers benefit from our 80 years of experience?

- 80 years in business means we have an extensive KNOWLEDGE of marking applications in all market segments and all related industries.
- 80 years in business means a huge EXPERTISE in pre-sales activities, especially for understanding customer needs and the ability to help qualify the solution best suited for the job.
- 80 years in business means that all Automator products are the result of CONTINUOUS IMPROVEMENTS, technological stratification, upgrades and innovation.
- 80 years in business means a huge EXPERTISE in after-sales activities, such as education and support.
- 80 years in business means STABILITY! Automator will always be beside you, helping you in all your marking needs!

Our technologies

Automator Marking Systems provides all industrial marking technologies, Traditional mechanical machines, pneumatic or electric-pneumatic Impact, Roll Marking, Hot Marking, and state-of-the-art technologies for Laser, Dot Peen and Scribe Marking.

LASER MARKING

DOT PEEN MARKING

IMPACT MARKING

SCRIBE MARKING

ROLL MARKING

HOT FOIL MARKING

CHEM ETCH MARKING

INNOVATIVE, RELIABLE AND ACCURATE

EXCELLENT REASONS FOR CHOOSING US

Laser marking is the most practical, versatile, and innovative solution for marking and identifying industrial products and therefore facilitate their traceability.
It is an engraving solution on metals highly appreciated for its flexibility and reliability, also on costs. Adding to this the ability to mark on a wide range of products, within the marking system family, such as plastics and specialty materials. True versatility!

DISCOVER ALL OUR SYSTEMS

1. SAFETY FIRST

Not all marking lasers are the same. Automator lasers respect all safety standards, through the use of physical barriers and mechanical shutters. Giving the operator the highest safety grade possible (SIL3).

2. ACCURACY FOR ALL MATERIALS

Laser marking is the most practical and innovative solution for marking all surfaces, quickly and with the utmost precision. Flexible, precise and easy to use, the Automator marking lasers fit all industrial processes and applications.

3. MADE IN ITALY

Since 1940, Automator Marking Systems designs and manufactures its own machines entirely and proudly in Italy. Even in the industrial field, the brand MADE IN ITALY is a guarantee of quality, reliability, and long service life.

KINDS OF LASER EFFECTS ON DIFFERENT SURFACES:

ANNEALING
Dark zero-touch marking.

WHITENING / CLEANING / CLEAR MARKING
A shallow laser marking.

DEEP MARKING
Engraving by pulverization of the material to the required depth.

OXIDATION
Dark marking on metal.

SURFACE SWELLING
The laser creates bubbles on the surface, which generate a sensible marking.

COLOR CHANGE
The laser creates a surface alteration of the color on metals and plastics.

BURN
On organic materials.

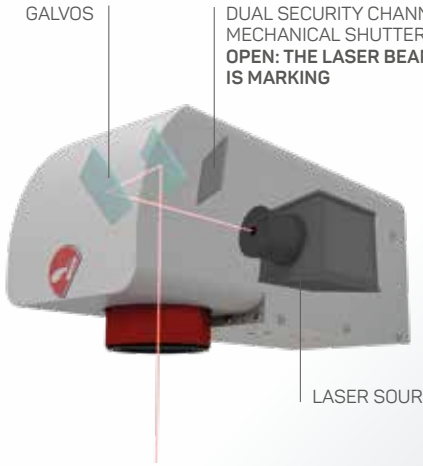
INFRA-MATERIAL MARKING
Marking inside the material, especially glass or plexiglas.

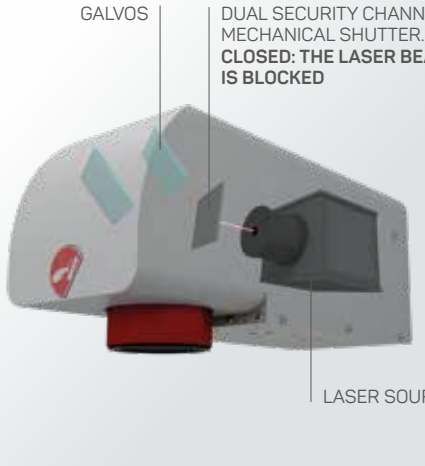
PLASTIC SURFACES MELTING

MECHANICAL SHUTTER | SIL3

A Mechanical Shutter with dual-channel safety sensor (SIL3). It physically interrupts the laser beam output for safe usage of the system (beam blocking).

SHUTTER SIL3





EuGENIUS™
Laser Marking Software

A SOFTWARE DESIGNED BY OUR EXPERIENCE FOR YOUR MARKING NEEDS

The **EuGenius Software** has been designed and developed by a highly specialized team of experts thanks to our long-term marking know-how. Versatile in applications, **EuGenius** is easy to use, even by operators without specific technical training or CAD knowledge.

DISCOVER EUGENIUS

SOFTWARE'S MAIN FEATURES:

- MultiLanguage menu
- Management barcode "Datamatrix", 2D code, QR code, PDF Queues
- Easy import of vector drawings, DXF
- Easy import of raster graphics, BMP, JPEG, .JPG, GIF
- Complete set of laser parameters such as speed or power laser
- Texts, Text arcs, text on curved lines
- Lines, rectangles, polygons, circles and arcs
- TTF Font ® (windows property)
- Graphic preview
- Texts with date, serial numbers, shift codes and year/month/day
- Multi fillings or single profile markings - Templates (object to be marked as background)
- Proportion scale, move, rotate, group creation of each object on the screen
- Quick Test for an easy identification of the best laser parameters
- Automation & object tiling - External axis commanded by software - Shutter control
- Easy diagnosis and troubleshooting

AUTOMATOR LASERS MAIN FEATURES:

- Up to 32 auxiliary axis available
- Pattern Array Tiling for large markings
- SWYM (See What You Mark) vision system to see the marking on the piece in real time
- Three camera models available
- Reading, verification and grading of markings and codes QR, Datamatrix, GS1 and bars
- Three different types of automatic detection of focal distance
- Confirmation and prevention of double marking
- Automatic detection of the presence and type of product to be marked
- 3D marking and on irregularly shaped objects
- Marking on the fly (on-the-fly marking)

LASERS

SHUTTER SIL3

nanoVISII

- aWave™ proprietary technology for frequency self-adjustment
- Gets excellent results comparable to more expensive products
- Wide range of markable materials such as Plastic, Metals, Anodized, Ceramic and much more
- Preliminary diagnostic LED system

VISII 20-30W

- The most versatile, easy to use and integrate
- Possibility of marking also in stand-alone mode, without using a PC
- Compact, all-in-one solution

greenVISII

3-5-10W

- Ideal for marking on metals, glass and plastics without surface alterations
- Possibility of marking also in standalone mode, without using a PC

COLIBRÌ

21-32W

- The only Safety Class 1 portable laser in the world
- Larger objects marking
- Practical, light and versatile
- With 8-inch LCD touch screen

FYBRAII

21-31-52-62-82-100W

- Deep and precise markings for industrial environments
- Possibility of marking also in standalone mode, without using a PC
- Particularly suitable for plastics, metals, alloys and aluminum

MOPAII 20W

- Extremely sharp and defined markings
- Pure black and color markings on metals
- Possibility of marking also in standalone mode, without using a PC

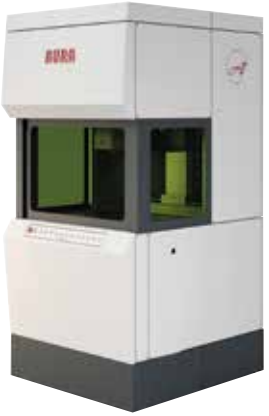
ALPHA CO_2

- Particularly suitable for organic materials and glass
- Possibility of marking also in standalone mode, without using a PC

LASER ENCLOSURES

MAKE YOUR LASER
A SAFETY CLASS 1
MARKING WORKSTATION

SHUTTER
SIL3



UBI basic

- aWave™ proprietary technology integrated laser source
- Wide range of markable materials such as Plastic, Metals, Anodized, Ceramic and much more
- 340x550 mm loading area

ARENA

- Class 1 safety system
- Manual or Automatic opening/closing door
- 550x440 loading area

IDEO

- Class 1 safety system
- 710x550 mm loading area

PRIMA

- Class 1 safety system
- Manual or Automatic opening/closing door
- 690x770 mm loading area

AURA

- Class 1 safety workstation
- Manual or Automatic opening/closing door
- 700x900 mm loading area

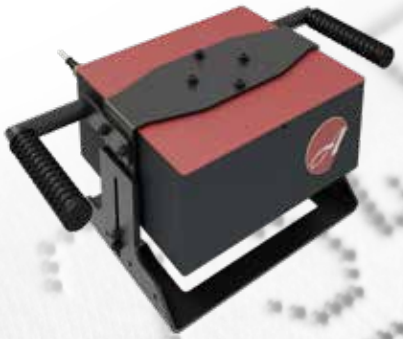
FLAWLESS RESULTS ON ALL MATERIALS

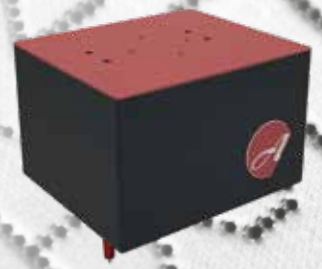
ALL KINDS OF DOT PEEN MARKERS, FOR ALL CLIENTS NEEDS

Compact devices and systems for bench, portable or integration applications. Whether it is a dot peen controlled or Vibro application, features like speed and depth allow to mark on different materials such as metals, hard plastics, alloys, burnished metals, anodized, painted, wood, paper or even glass. Our dot peen markers are the easiest to use thanks to our proprietary software with a super-flexible interface, that allows an absolute graphic freedom merit: the management of serial numbers, geometric figures, fixed or variable texts, logos, Datamatrix and QR codes in various formats.

All Automator dot peen marking systems and software are managed by our innovative AC 500 universal controller with a 7" touch screen display: easy to install and use, allows the operator to work with simplicity and speed, even without knowledge specifics of drawing or design programs.

It is also possible to create programs on PC, which can be easily transferred to the AC500 controller via USB connection.





HOW TO CHOOSE THE PERFECT DOT PEEN SOLUTION?

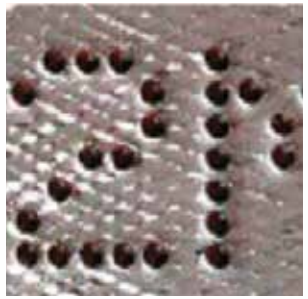
There are two main criteria for choosing:
the desired result and the most suitable marking area.

The result depends on the type of marking: Automator dot peen markers allow you to carry out marking in a controlled dot, vibrated dot, in pneumatic or electric mode, on the surface or in depth.

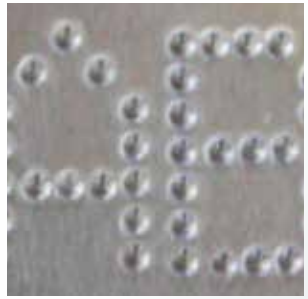
VIBRATING DOT PEEN
Characters are marked with a small pin while vibrating. Highly recommended for fast marking with very high quality needs.

ELECTRIC DOT PEEN
The pin is moved electrically by drive and return electric spring solenoid. Air not required. Recommended for high quality needs.

PNEUMATIC DOT PEEN
The Pin is moved automatically by opening and closing the drive and return air. Recommended for marking on irregular and rough surfaces.



DEEP DOT PEEN
The Air Solenoid has an increased capacity. Specialized pins are required for deep markings on the most resistant materials.



CONTROLLED DOT PEEN
Font characters are created with possibility to specify the density of the dots to be marked from 0 to 80 pixel/cm. Recommended for deep marking.

SCRIBE MARKING
Markings are made by striking the surface and removing the material for deep and silent marking.

DOT PEEN

AC500

DOT PEEN AND SCRIBE UNIVERSAL CONTROLLER:

- Multilanguage virtual keyboard
- 7" colours touchscreen
- Printer connection available
- Upload /download files
- QR codes and Data Matrix
- I/O signals
- Alarms history
- 64 MB flash memory
- External reader
- Importable DXF-BMP files
- Remote and programmed assistance
- External power supply
- Lines, circles, arcs
- Serial numbers and codes
- TTF fonts available
- USB port
- More than 40 languages available
- Motorized Theta and Z axis
- Memory display

Standard certifications for UE (CE), USA (International Technology Equipment Safety part 1: general requirements, 609501) and Canada (International Technology Equipment Safety part 1: general requirements Amendment 1:2011, Amd. 2: 2014, CSA C22.2#60950-1)

IEC 60950-1 · CSA C22.2 60950-1 · CE · ETL Intertek

AC250

DOT PEEN CONTROLLER

- External power supply
- Lines, circles, arcs
- Serial numbers and codes
- TTF fonts available
- USB port
- More than 40 languages available
- Ethernet cable PC connections
- Arcs
- Ethernet I/O
- Head connection cable
- QR codes and Data Matrix
- I/O signals
- RS232
- 64 MB flash memory
- Fuse
- Importable DXF-BMP files

Standard certifications for UE (CE), USA (International Technology Equipment Safety part 1: general requirements, 609501) and Canada (International Technology Equipment Safety part 1: general requirements Amendment 1:2011, Amd. 2: 2014, CSA C22.2#60950-1).

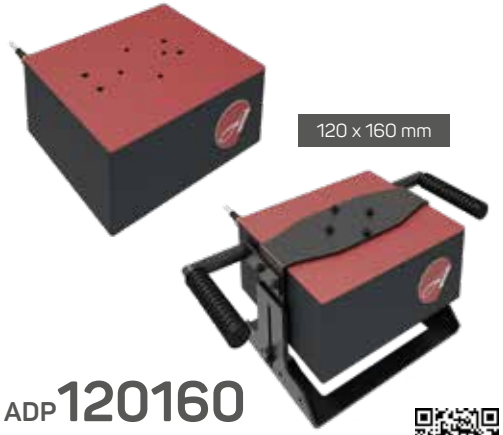
IEC 60950-1 · CSA C22.2 60950-1 · CE

DOT PEEN

EXTREME MARKING FLEXIBILITY:
logos, drawings, graphics, serial numbers, texts, arched texts and much more.

50 x 90 mm

ADP5090
ADP5090P



120 x 160 mm

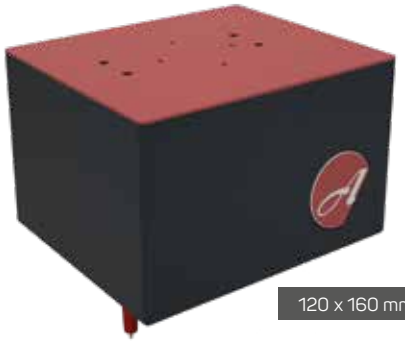
ADP120160
ADP120160P

25 x 60 mm

ADP2560
ADP2560P

25 x 120 mm

ADP25120
ADP25120P



120 x 160 mm

ADP120160DEEP

300 x 400 mm

ADP300400

25 x 60 mm

ADP2560BA

STANDARD BENCHTOP

DOUBLE BENCHTOP STRUCTURE

SCRIBE

SMALL, COMPACT AND QUIET MACHINE, EXCELLENT QUALITY / PRICE SOLUTION

60 x 90 mm

ASM6090

PNEUMATICS CONTROLLED DOT Air delivery / spring return

3 - 6 mm dot

12 mm dot

18 mm dot

3 -6 mm XL dot

ELECTRIC

12 mm dot

40 x 150 mm

ASM40150

PNEUMATICS VIBRO DOT Air delivery / spring return

4 mm vibro

3 mm vibro

SCRIBE PIN Deep and silent contact marking

16 mm for ASM40150

6 mm for ASM6090

ROLL MARKING

...THE BEST SOLUTION FOR MARKING ROUND SURFACES!

MB71U

- Electric unit for integration.

MB76EP 90°

- Markings up to 600 mm in diameter. Models available in the electric version and electric-pneumatic.

MB41E

MB41N

- Manual and electric for diameter up to 65 mm

MB71CE

- Continuous marking on hexagonal bars. A wide choice of models with which to mark circumferences, easy to use for marking logos or number.

MB71E

- Manual, electric and electro-pneumatic for average diameters up to 110 mm.

MB76EPV

- Markings up to 600 mm in diameter. Models available in the electric version and electric-pneumatic.

IMPACT

MB35VP

MB21VPN

MB19VPN

- Pneumatic impact unit with power up to 7500 kg, ideal for integration.

MB35

MB21

MB19

- Machines for pneumatic bench marking, with power up to 7500 Kg.

MB32

MB20

MB15

- Manual bench machines, with power up to 6500 Kg.

PRESSES

Manual and pneumatic presses for pressing, riveting, folding or stacking.

MB32S

MB20S

MB15S

MANUAL

MB35P

MB21P

MB19P

PNEUMATIC

ACCESSORIES

MB5

- Numerator for applications
- manuals.

MANUAL AND AUTOMATIC NUMBERING HEADS

MB2 e MB14

- Signs and logos, numbers and letters
- special.

TYPEHOLDERS AND TYPES

- 1, 2 or 3 lines standard typeholders
- High quality steel types in different sizes

PUNCHES AND CLICHÉS

- Different high quality steel characters heights, sold loose or in boxes.

MARKINGS ON ALL SURFACES

BOLANO 10/03/17
VIBRO 3

Andina Corral
1234567 08 J 0000

PMESP

A123
ABB
Made in ...

003
002

HP055
PHD213

1234567890

SHIFT

Property of
N.Y. LUNAPARK

BODY
AISI 316L
SUPPLY
TRIM
AISI 316L
RANGE
CV
STROKE
ACTION
CLOSE (NC)
Dp.MAX

10062

3
BASSO
SX

Y10100009-2022E rev.0

Automator Marking Systems Srl

20094 Corsico (Milano) - Italy
Via Meucci, 8
Tel. +39 02 48601445
Fax +39 02 48601503

www.automator.com