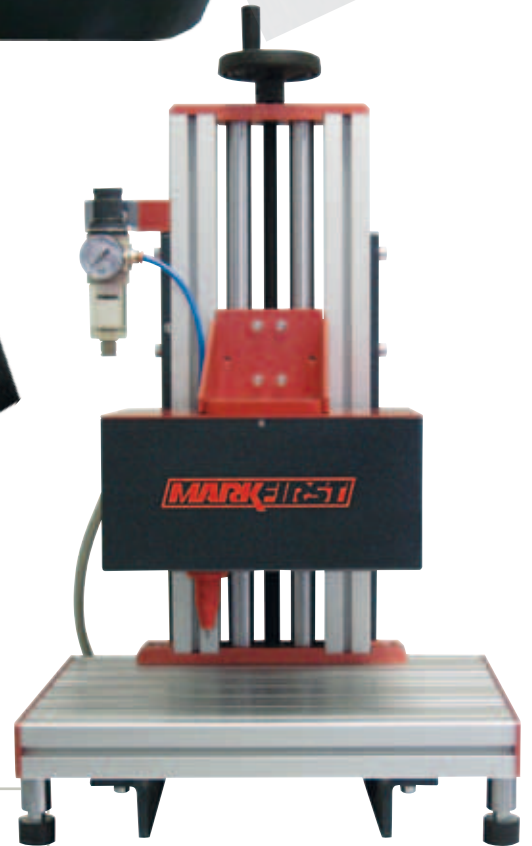
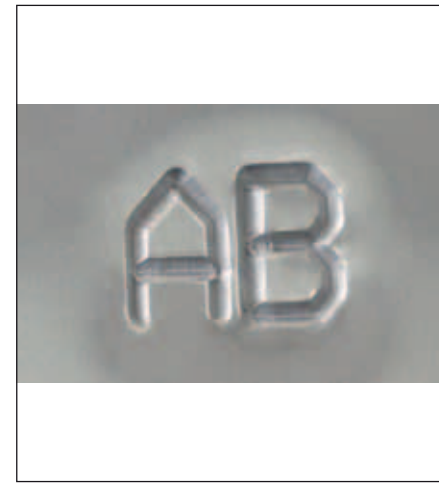
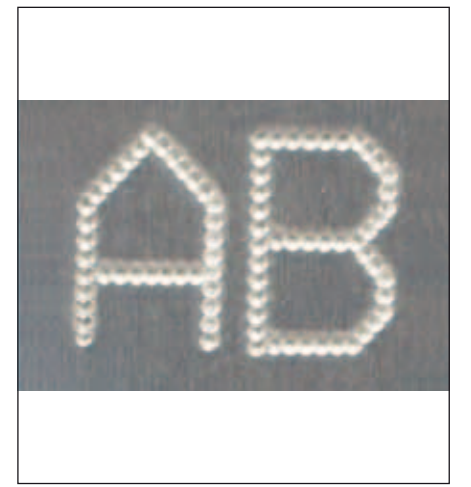
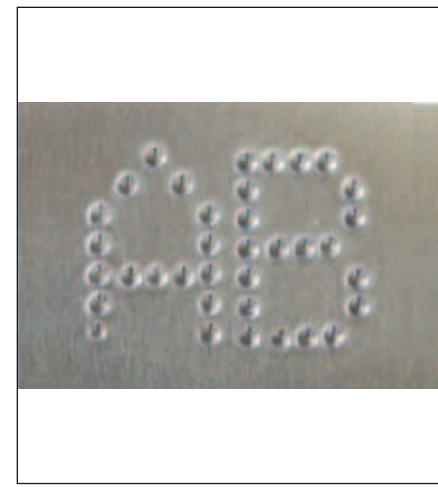
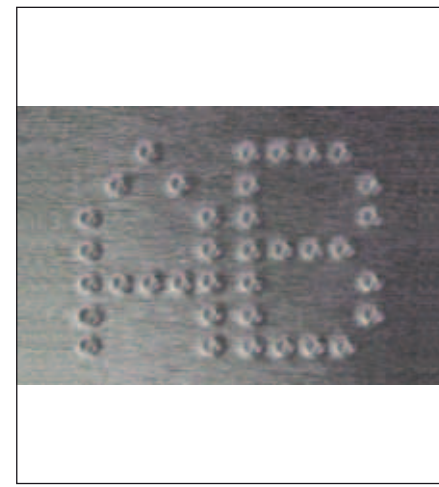


MARKFIRST®

www.mark-first.com



Dot Peen Division
by Houston Alliance



index

✓ ADP FAMILY

6

✓ AC 500

8

✓ ADP 2560

10

✓ ADP 5090

12

✓ ADP 120160

14

✓ DRAWINGS

16

✓ SOFTWARE

18

MARKFIRST[®]

www.mark-first.com

ADP FAMILY

NEW CONCEPT! ONE HEAD ONLY, MULTIPLE MARKING MODES



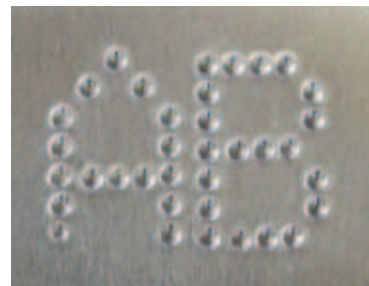
No limits in the marking area!



Vibrating dot - Characters marked with small pin vibration. Recommended for speed marking with a very high quality.



Pneumatic pin - The pin is moved pneumatically by drive and returned air. Recommended for marking on irregular surfaces.



Controlled dot - Font characters with possibility to specify the density of points to be marked. Recommended for deep marking.

Electric pin - The pin is moved electrically by drive and return solenoid. Air not required.



Deep marking



AC500

Connections



Serial number
 0 1 2 3 4

Linear
 Arc
 ABC
 ABC

Multiple languages
 (Flags of various countries)

Lines, arcs, circles
 (Geometric symbols)

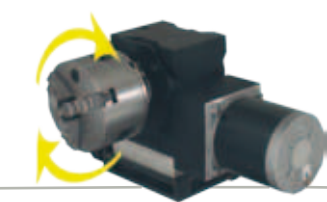
Datamatrix
 (QR code)

DXF BMP
 Importable files

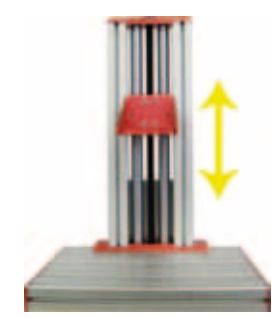
TTF
 Eccentric STD
 Elephant
 ENGRAVERS MT
 Eras Bold ITC
 Eras Demi ITC
 Eras Light ITC
 Eras Medium ITC

Query
 TXT CSV

Upload/Download files
 (Folder icon)



Electric Theta



Electric Zeta



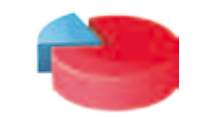
Remote maintenance

Scheduled maintenance
 (Warning sign icon)



Alarm history

Memory Flash
 64 MB
 (Flash drive icon)



Free memory

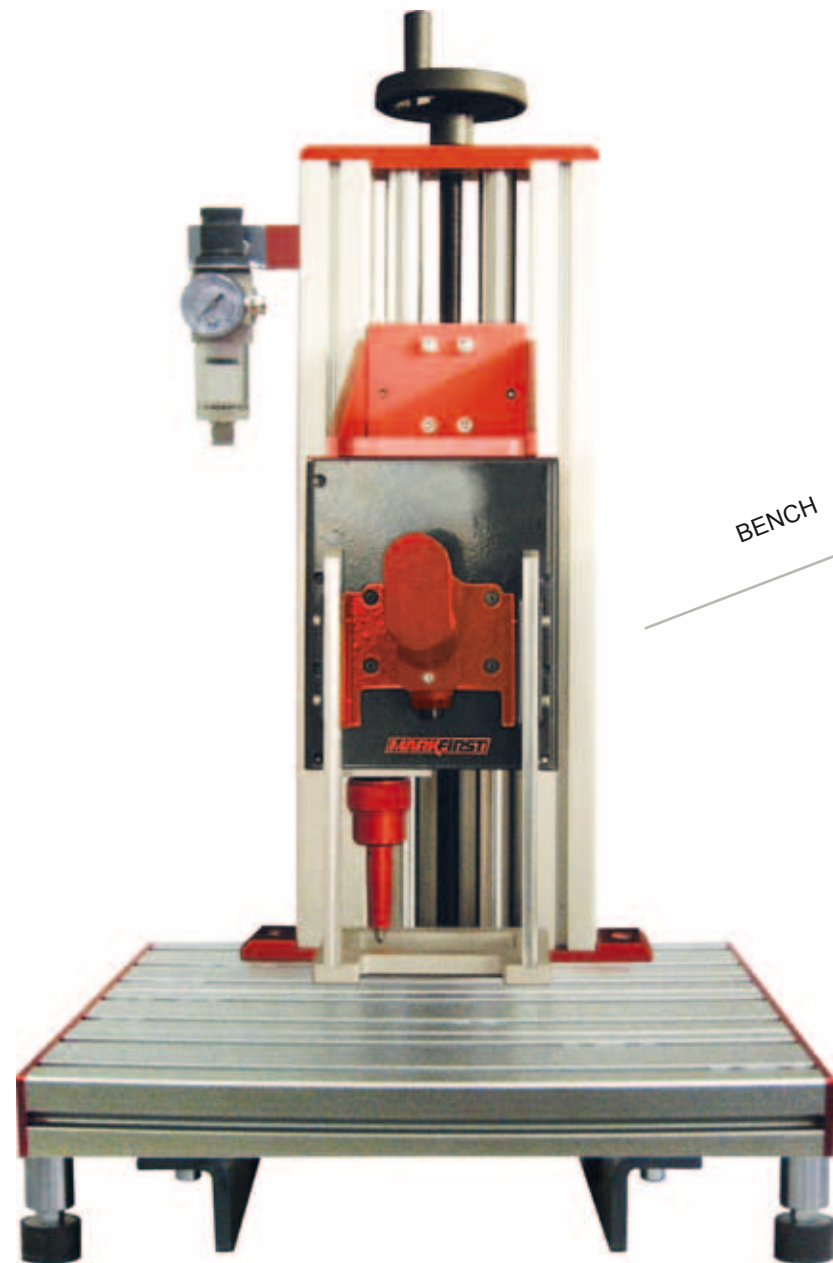


Marking statistics

ADP 2560

MARKING AREA: 25X60 mm

Specifications	2560
Marking area	25x60 mm
Marking Mode	Vibro/Dot
Air drive	✓
Return spring	✓
Portable	✓



BENCH



PORTABLE



INTEGRATION

Pins



3 mm vibro



3 - 6 mm dot

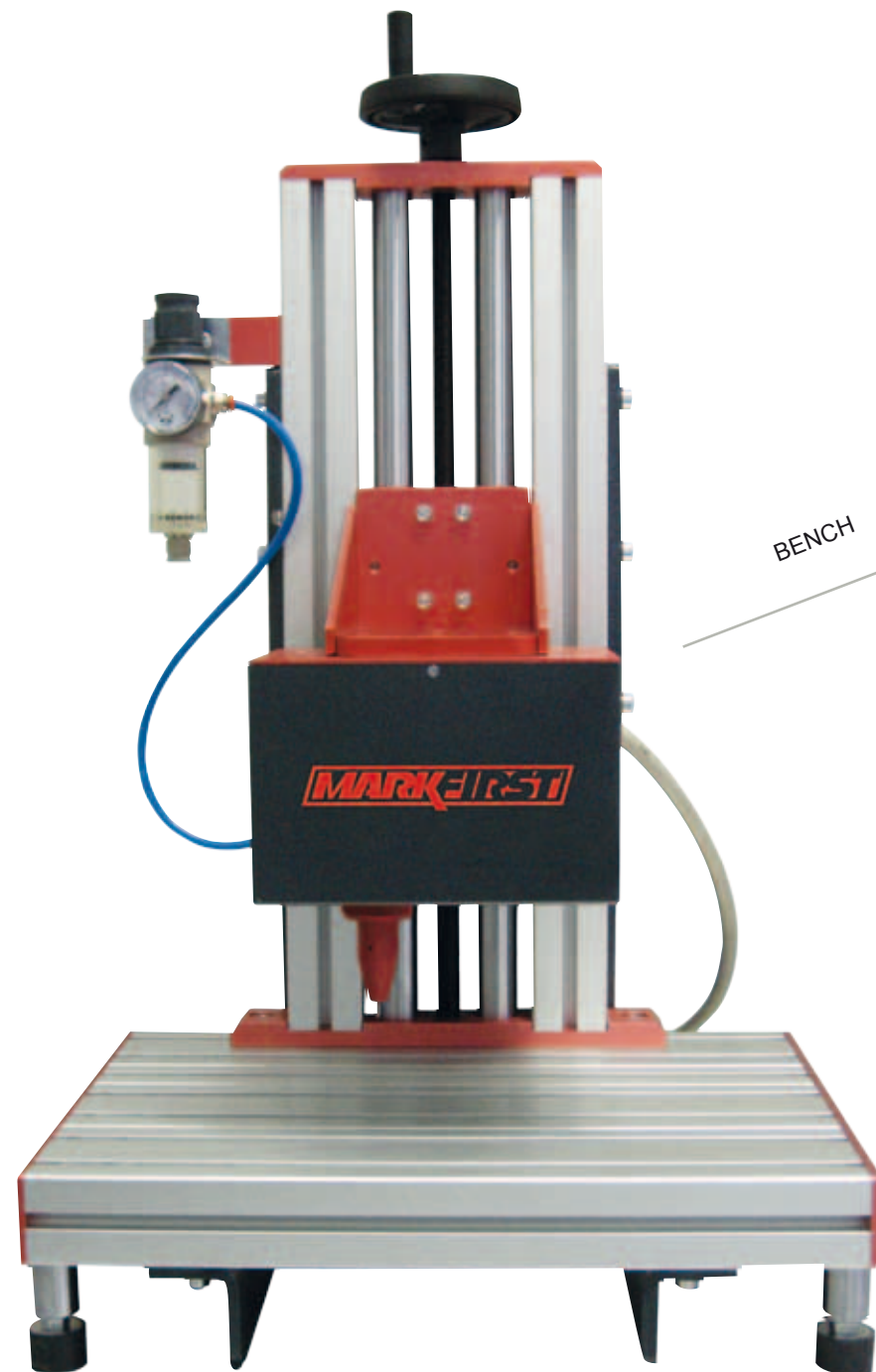


12 mm dot

ADP5090

MARKING AREA: 50X90 mm

Specifications	5090	5090P	5090E
Marking area	50x90 mm	50x90 mm	50x90 mm
Marking Mode	Vibro/Dot	Dot	Vibro/Dot
Air drive	✓	✓	
Air return		✓	
Return spring	✓		
Electric			✓
Portable	✓	✓	✓



Pins



3 mm vibro



3 - 6 mm dot

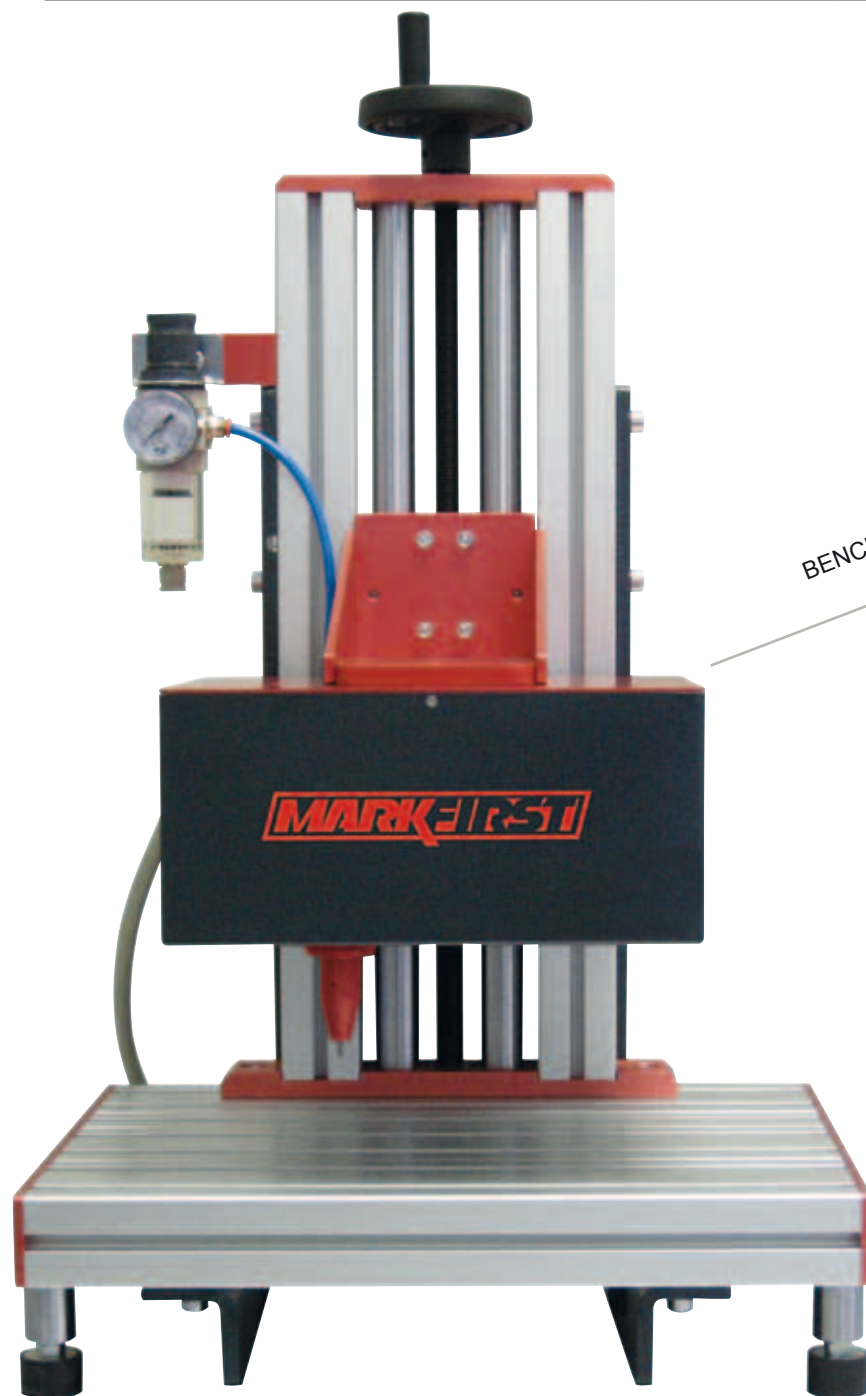


12 mm dot

ADP120160

MARKING AREA: 120X160 mm

Specifications	5090	5090P	5090E
Marking area	120x160 mm	120x160 mm	120x160 mm
Marking Mode	Vibro/Dot	Dot	Vibro/Dot
Air drive	✓	✓	
Air return		✓	
Return spring	✓		
Electric			✓
Portable	✓	✓	✓



Pins



3 mm vibro



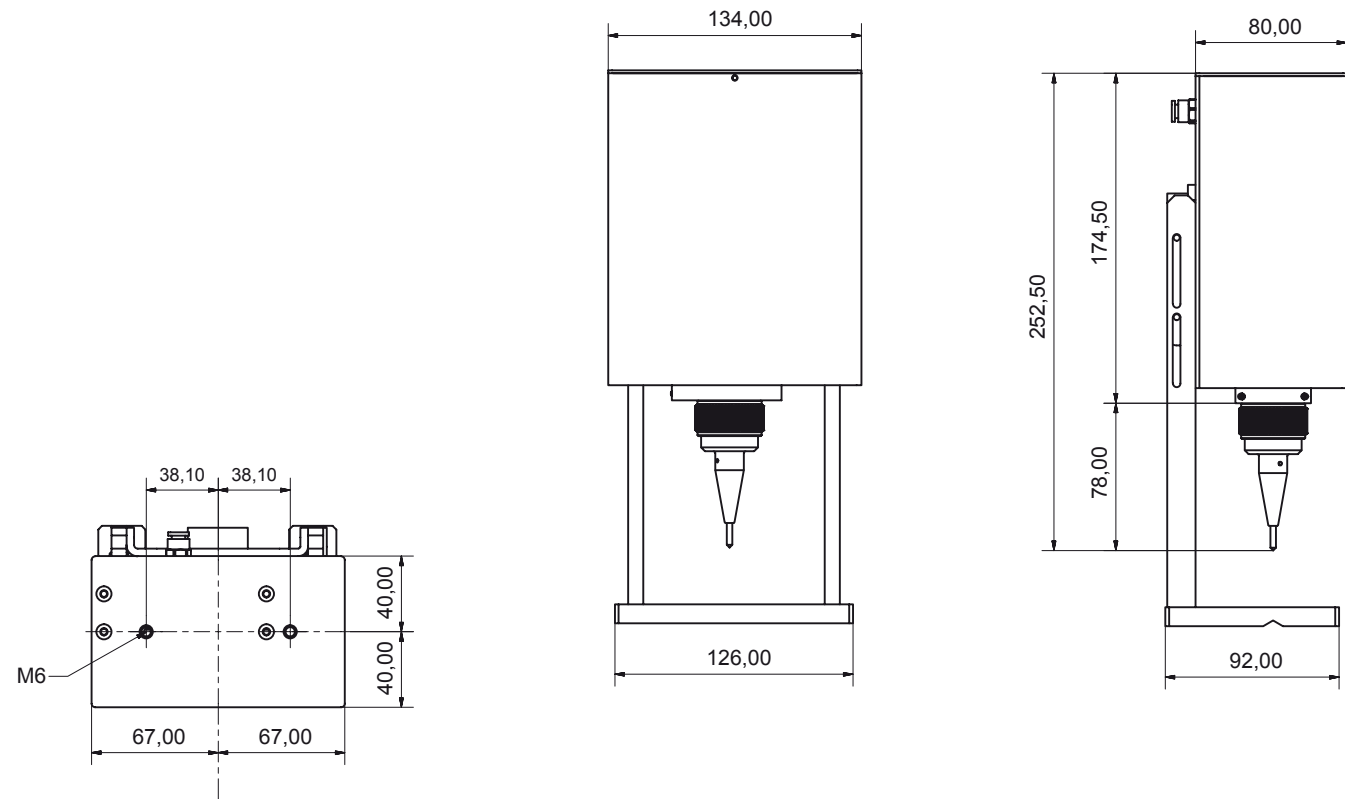
3 - 6 mm dot



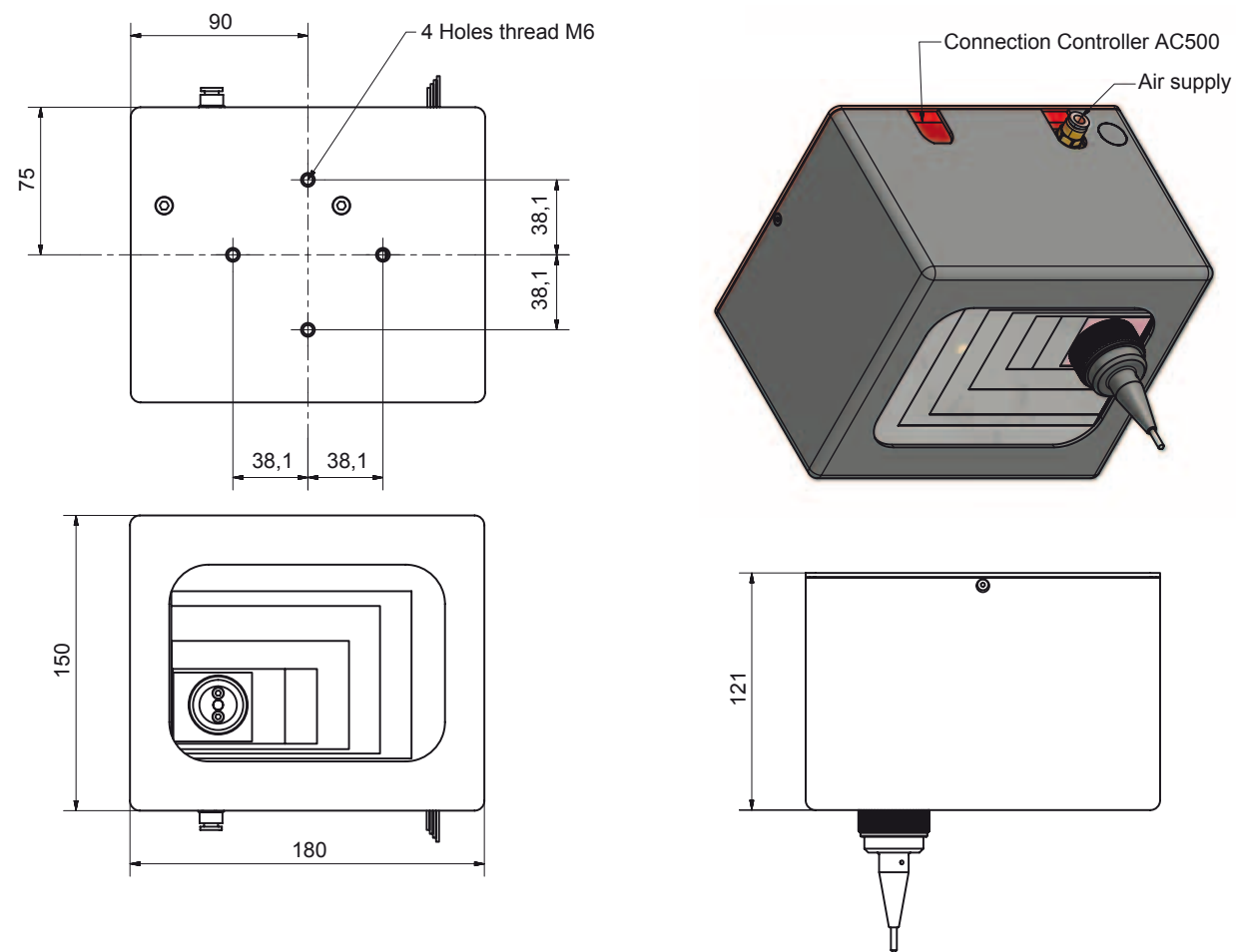
12 mm dot

DRAWINGS

ADP2560

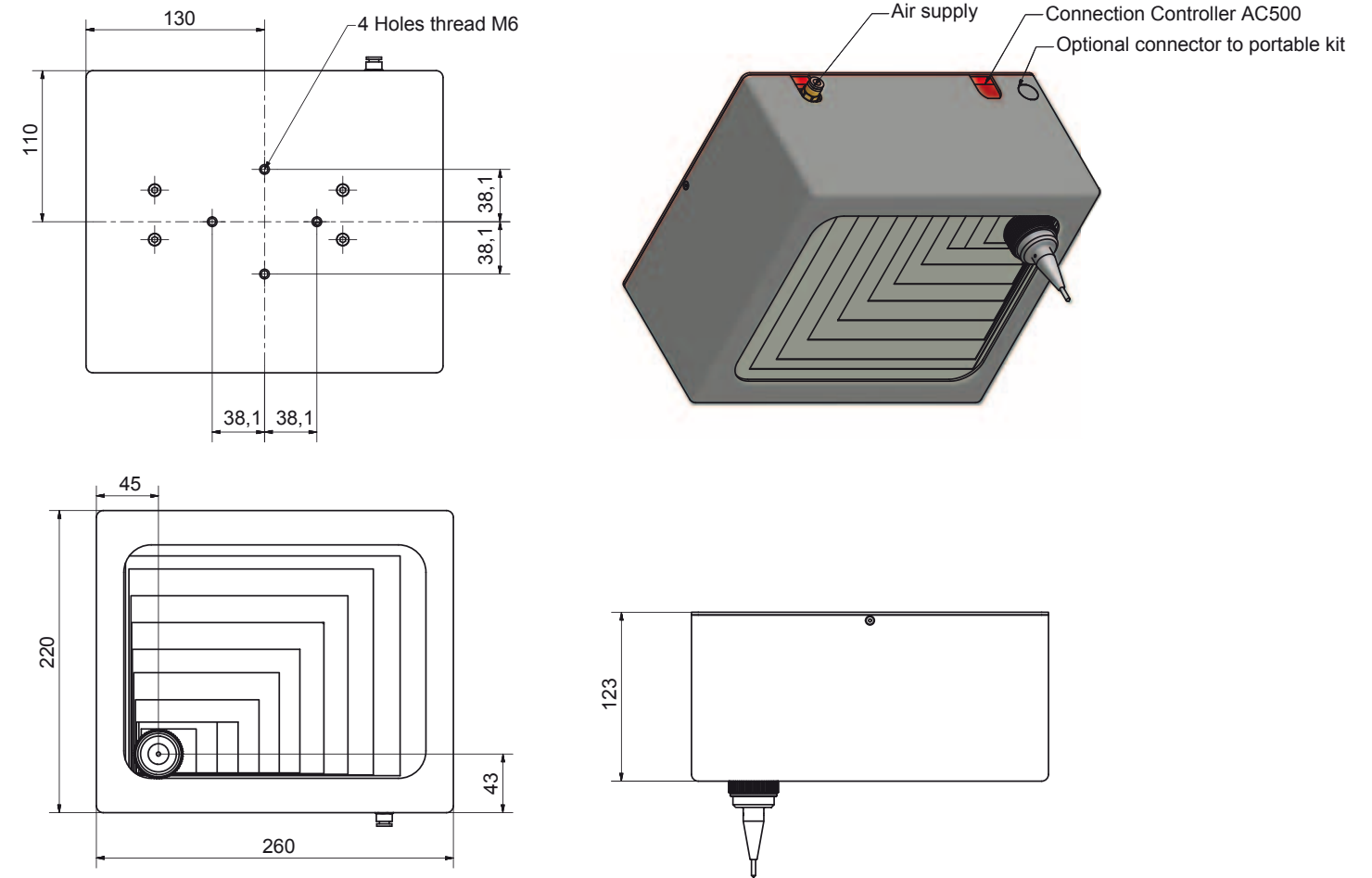


ADP5090

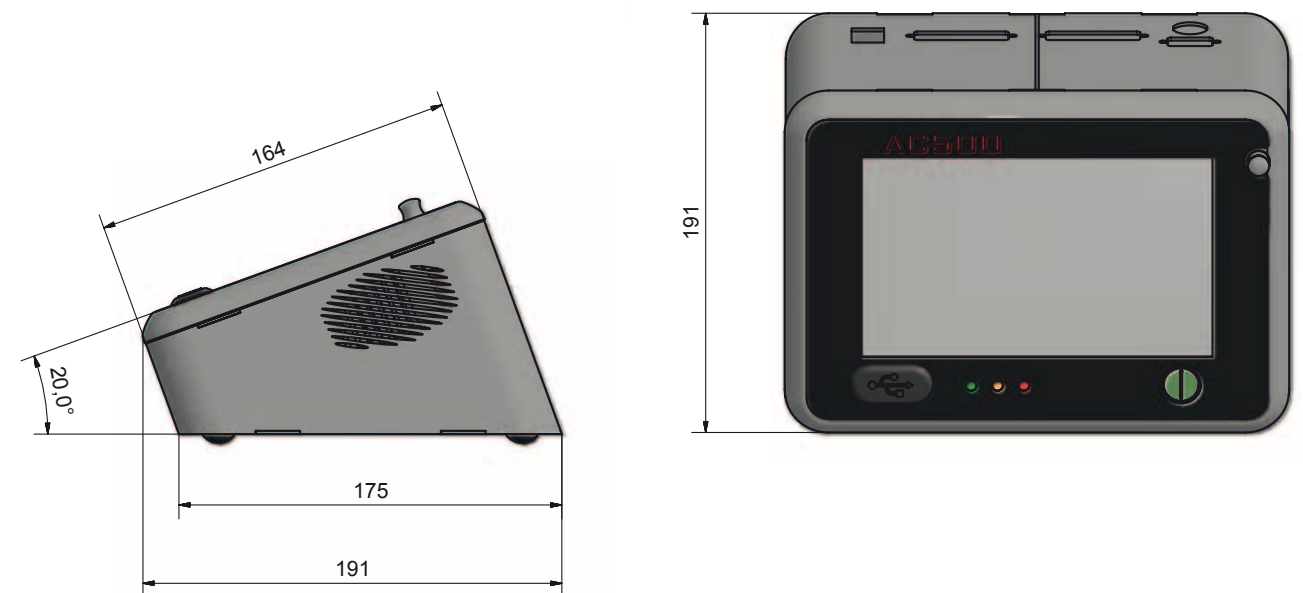


DRAWINGS

ADP120160



CONTROLLER



SOFTWARE

PORT	FUNCTION
USB	To upload files
	To upload logos bpm and dxf
	To upload TTF
	To upgrade software
	To upgrade languages
	To connect keyboard / mouse
	To back up
Ethernet	To connect Pc or other
RS232/ 485	6 input + 6 free 2 output + 4 free

FLAG	FUNCTION
%A	Week day (mon, tue)
%B	Month (Jan, Feb)
%C	Date (MM/GG/AA)
%D	Day of the month (01-31)
%E	Year code
%F	Single Character Check Digit PS-OCR
%G	Double Character Check Digit PS-OCR
%H	Hour (00-23)
%I	Hour (00-12)
%J	Julian day (1-356)
%K	Month code (1-9, O, N, D)
%L	Last digit of the year (0-9)
%M	Month (01-12)
%N	Minutes (00-59)
%#O	Serial number
%P	AM or PM
%Q	Text in the query
%#q	Title in the query
%R	Week number (01-53)
%#S	Job serial number
%T	Hour (HH:MM)
%U	Month code
%#V	Variable text
%W	Date of the week
%X	Date (MM/DD/YY)
%Y	Year (00-99)
%Z	Shift code

OUR PHILOSOPHY



From 1988 we have chosen to have the only goal to satisfy the industrial permanent marking: we started from mechanical machines - with fast execution; to pass to the pin machines - easily programmable and integrateble; up to realize the latest generation of laser - with high performance. Houston Alliance SA has designed, manufactured and sold more than one hundred different models of machines, all easily customizable, to solve the marking problems of each industry sector: from automotive to avionics, from food to fashion, very different industries who share the need to identify and trace the original product.

With more than 20 years experience,
we can assert to have marked everything, except water and air!

www.mark-first.com



Your **MARK** is our **FIRST** priority

Houston Alliance SA
Via Pelli, 1 Lugano - Switzerland
info@mark-first.com