



Ultrasonic Pen Marking Machine

VM3730A

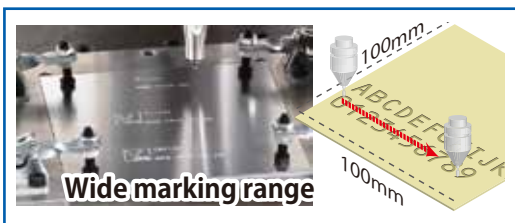
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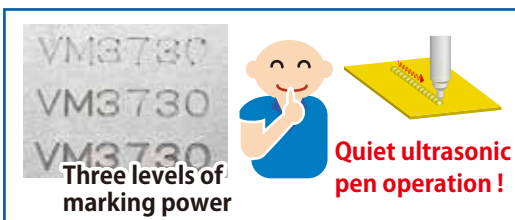
*Marking Stand (a mount for the marking machine) is sold separately

VM3730A Ultrasonic Pen Marking Machine delivers semi-permanent marking on a wide range of metals, including steel, stainless-steel and aluminum, as well as plastics and other nonmetallic metals. It is designed to handle marking needs for production management, quality assurance, product-liability countermeasures, ISO measures, distribution management and more.



Wide marking range (100×100mm)

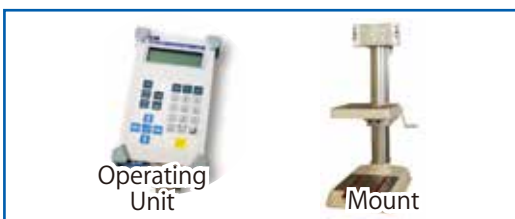
VM3710A can mark characters on 100×100mm area, which is the largest in our lineup. Two or more strings can be marked in the large marking area of workpiece at a time.



Low noise / Three levels of marking power

The operation noise of ultrasonic pen is slight because the ultrasonic vibration is used as vibration source of stylus.

The power of marking can be switched in three levels.



Various options and extentions

We prepare not only main bodies of making machine, but many optional units such as handy operating unit (VM7891), styli of various angle, mounts, etc.



Ultrasonic Pen Marking Machine VM3730A

Specifications

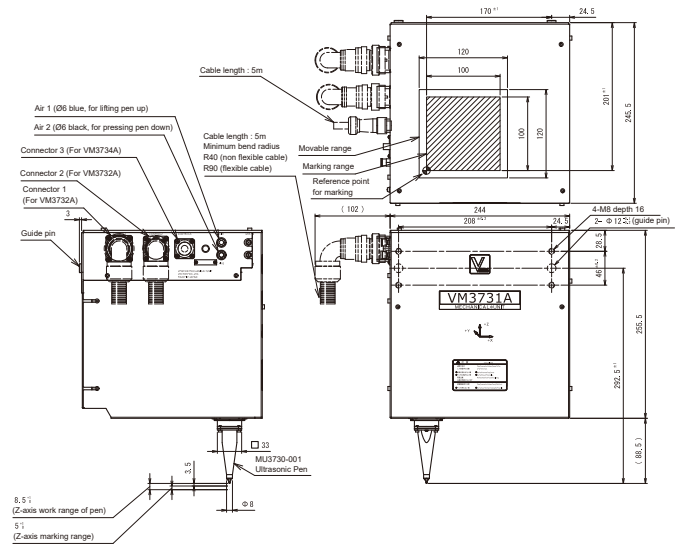
Pen type	Ultrasonic Pen
Marking range (X×Y)	100 × 100 mm
Pen stroke	Approx.8.5mm (Z-axis Marking Range: 5mm)
Marking speed	100~12000mm/min (in increments 100mm/min)
Available characters	Alphabet Uppercase 26 types Alphabet Lowercase 26 types Symbol 18 types Number 10 types
Character size (=height)	1~100 mm (in increments 0.1mm)
Font	3 types
Job registered number (J No.)	512 jobs (J1~J512)
Sequence registered number (S No.)	512 sequences (S1~S512)
String length	1~36 characters
Marking function	
- Increment	1~10 digits
- Calendar	Year. Month. Day. Hour. Minute. Second (E.g. 11. 02. 28. 12. 10. 16)
- Circular arc marking	Available
- Special character	Supported (by using PC software)
Interface	I/O (Parallel): 50pin, NPN/PNP connect RS- 232C (Serial): 25pin USB 2.0 (for operation by PC): USB B
Power supply	Single-phase AC100V~115V(+15%,-10%), 50/60Hz Control Unit: approx. 550VA / Ultrasonic controller: approx. 200VA
Air supply	0.3~0.5MPa, 1 L / min (A.N.R.) *1 Dry clean air (below atmospheric dew point -17°C)
Environmental Condition	Operating temperature: 0~40 °C Storage temperature: -5 ~ +50 °C Relative humidity: 90%RH or less (no condensation)
Dimensions (W×H×D)	Mechanical Unit: approx. 244×255×245.5 mm *2 Control Unit: approx. 265×270×260mm *3 Ultrasonic Controller: approx. 163×272×260mm *3
Weight	Mechanical Unit: approx. 12kg / Control Unit : approx. 7kg Ultrasonic Controller: approx. 6kg
Mounting orientation	Mechanical Unit: Gravity direction~horizontal direction Control Unit·Ultrasonic Controller: Vertical layout
Structure	Mechanical Unit - Control Unit separate type
Option	VM8682 Marking Stand (Mount) VM7891 Operating Unit
Accessories	- Application Software (for Windows XP/7/8/8.1/10, CD-ROM) *4 - Manual

- *1 The rate varies according to character size, font and marking speed settings. For details, please consult our sales department.
- *2 Pen units and connectors are not included.
- *3 Connectors are not included.
- *4 Windows XP, Windows 7, Windows 8, Windows 8.1 and Windows 10 are either registered trademarks of Microsoft Corporation in United States and other countries.

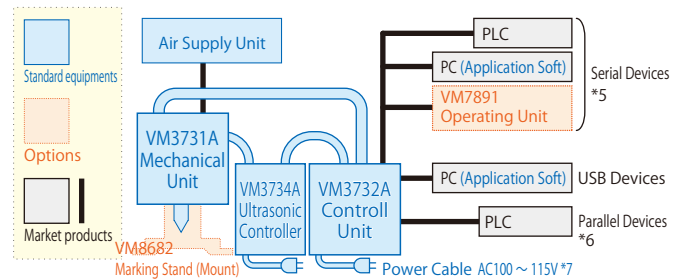
■ Specifications and design are subject to modify without notice.
 ■ This product (incl. technologies) is a target of catch-all controls. Export of this product out of Japan may require permission of minister of economy, trade and industry pursuant to foreign exchange law.

External Dimensions (Unit: mm)

VM3731A Mechanical Unit



Block Diagram



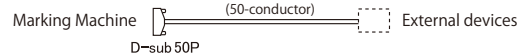
*5 Spec. of serial (RS-232C) cable is as follows.

Vector's VM7873 Cable (5m) meets the specifications.



*6 Spec. of parallel (I/O) cable is as follows.

Vector's VM8679 Cable (5m) meets the specifications.



*7 Attached power cable is available in Japan only.

To use the marking machine out of Japan, please use the compatible cable.



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