



Air Pen Marking Machine VM1210AS1

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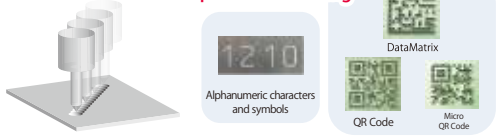
VM1211AS1
Mechanical Unit

VM1212AS1
Control Unit



VM1210AS1 Air 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.

Smooth line & Sharp 2D code marking



Smooth line & sharp dot marking

Compared to older models, VM1210AS1 can mark more smooth line and sharp dots because of CPU speed enhancement, etc.



High reliability and maintainability

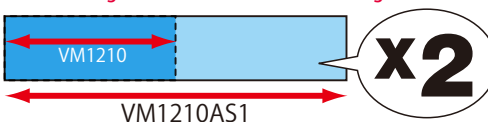
VM1211AS1 can withstand high mechanical load by adopting high torque motor and renewed motor control system. Also, VM1212AS1 achieves good maintainability by adopting button battery, etc.



Ultra High speed marking

VM1210AS1 can mark 10 characters in three seconds .
(The operation speed is varied according to type of characters, fonts and speed setting)

Wide marking area : 160×30mm - Twice as large as VM1210



Wide marking area

VM1210AS1 features wide marking area (160×30mm), twice as large as VM1210. Multiple texts and 2D codes can be marked on a large workpiece at a time without using external mechanism.



Pen type	Air Pen
Marking range (X×Y)	160 ×30 mm
Pen stroke	Approx.9mm (Z-axis Marking Range: 6mm)
Marking speed	100~6000mm/min (in increments 100mm/min)
Available characters	Alphabet Uppercase 26 types Lowercase 26 types Symbol 18 types Number 10 types
Character size (=height)	1~30 mm (in increments 0.1mm)
Font	3 types (Vector's original font)
Job registered number (J No.)	255 jobs (J1~J255)
Sequence registered number (S No.)	255 sequences (S1~S255)
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
- 2D code	DataMatrix, QR Code, Micro QR Code
- Special character	Supported (by using PC software)
Interface	I/O (Parallel): 50pin, NPN/PNP connect RS- 232C (Serial): 9pin USB (for operation by PC): USB B
Power supply	Single-phase AC100V~230V±10% 50 / 60 Hz, approx. 80VA
Air supply	0.3~0.5MPa, 40 L / min (A.N.R.) *1 Dry clean air (below atomospheric dew point -17℃)
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. 284×213×153 mm *2 Control Unit: approx. 180×294×269mm *2
Weight	Mechanical Unit: approx. 8.0Kg Control Unit: approx. 4.6kg
Mounting orientation	Mechanical Unit: Gravity direction~horizontal direction Control Unit: Vertical layout
Structure	Mechanical Unit - Control Unit separate type
Option	VM7884 Air Supply Unit VM7834 Marking Stand (Mount) VM1891 Operating Unit
Accessories	Manual, power cable, etc. PC software "Marking Tools 2" (for Windows 10/11) is available for download from our website. *3 *4

■ 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.

*7 Attached power cable is available in Japan only.
To use the marking machine out of Japan, please use the compatible cable.

