



Air Pen Marking Machine

VM1210

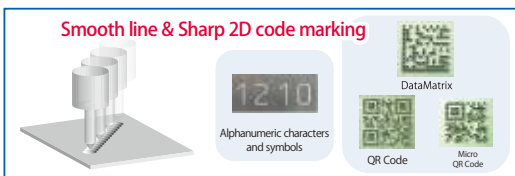
Air Pen Marking Machine

VM1210



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

VM1210 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 dot marking

Compared to older models, VM1210 can mark more smooth line and sharp dots because of CPU speed enhancement, etc.



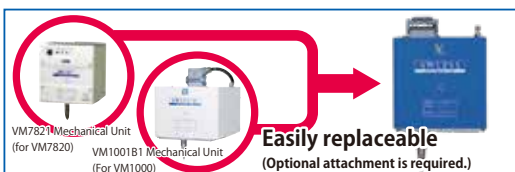
High reliability and maintainability

VM1211 can withstand high mechanical load by adopting high torque motor and renewed motor control system. Also, VM1212 achieves good maintainability by adopting button battery, etc.



USB interface

Via USB interface, you can send marking parameters from PC to Marking Machine and make backup data used in Marking Machine on the PC.



Compact and easy to install

Mechanical unit is smaller than old model (VM1000 series) and its installation is very easy. By using attachment (sold separately), you can replace the old model with VM1210 without difficulty.



Air Pen Marking Machine VM1210

Specifications

Pen type	Air Pen		
Marking range (X×Y)	80 × 30 mm		
Pen stroke	Approx.9mm (Z-axis Marking Range: 6mm)		
Marking speed	100~4000mm/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 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. 204×213×153 mm *2 Control Unit: approx. 180×294×269mm *3		
Weight	Mechanical Unit: approx. 7.5Kg 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	- 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.

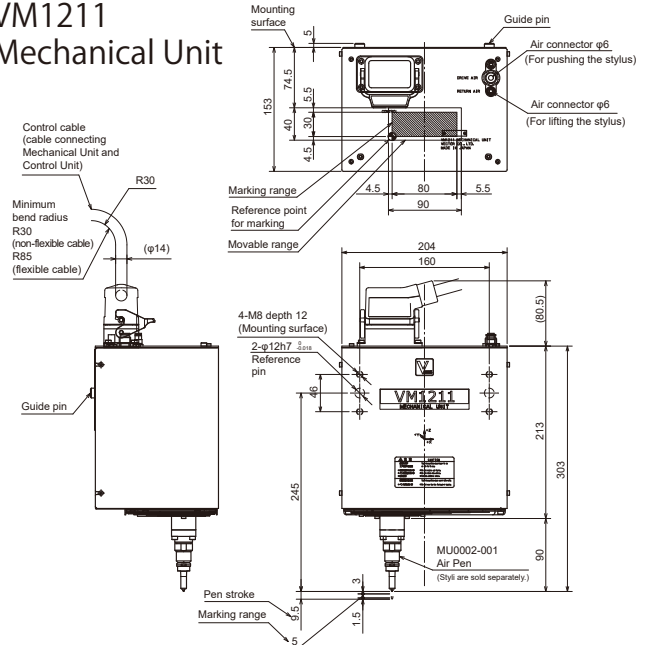
*3 Connectors are not included.

■ Specifications and design are subject to modify without notice.

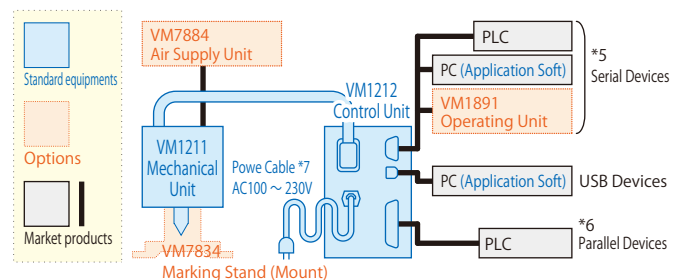
■ This product (incl. technologies) is a target of catch-all controls. Export of this product out of Japan may require permission of minister of economy, trade and industry pursuant to foreign exchange law.

External Dimensions (Unit: mm)

VM1211 Mechanical Unit

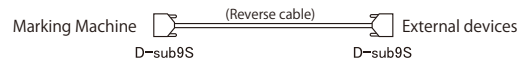


Block Diagram

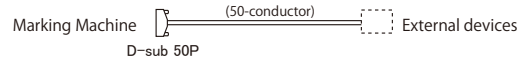


*4 Windows XP, Windows 7, Windows 8, Windows 8.1 and Windows 10 are either registered trademarks of Microsoft Corporation in United States and other countries.

*5 Spec. of serial (RS-232C) cable is as follows.
Vector's VM7872 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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