

Ultrasonic Pen Marking Machine

Low Noise VM7830B



VM7831B Mechanical Unit



VM7832B Control Unit



VM7891 Operating unit
(Optional)

Introduction

- VM7830 is capable of beautiful and permanent marking on both metallic and non-metallic materials (steel, aluminum, stainless steel, hard plastic and so on).
- The machine is useful for marking for production control, quality assurance, PL, ISO and distribution management etc.
- Parallel and RS-232C ports equipped as standard specifications, connectable to sequencer for automatic marking in the production line.

Features

- Ultrasonic pen point impact system realizes permanent marking of characters, symbols, etc. and reducing noise, which preserves comfortable working environment.
- Minimum stress imposed on the materials, safe for even high precision parts.
- Regardless of surface shape, marking on spherical, R or inclined surfaces.
- Because compressed air supply is not used, you can use the machine just connecting power supply and installation and maintenance is quite easy.
- **Power of marking is 1.5 times as much as that of old model (VM7830).
Distinct and fine characters can be marked on hard material.**

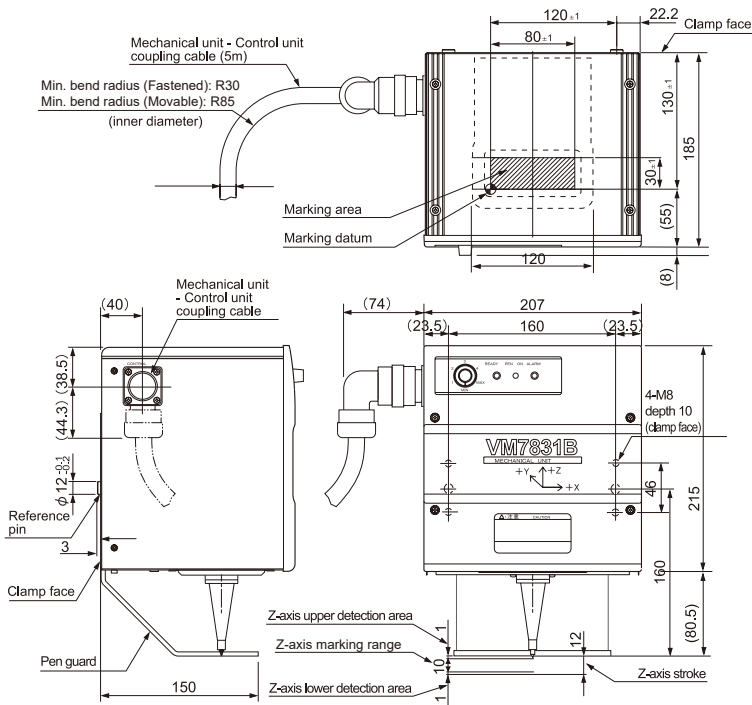
Specifications

Pen type	Ultrasonic vibration pen	Power Supply	100 to 230 VAC ±10% 50/60Hz Approx. 400VA
Marking range	80(X)x30(Y)		
Z-axis stroke	12mm (Marking range: 10mm)		
Work surface material	Steel, stainless steel, alumin, copper and their alloys, as well as hard plastics, etc.	Environment condition	Operating temperature: 0 to 40 degrees C Storage temperature: -5 to +50 degrees C Relative humidity: 90%RH or less (No condensation)
Marking rate	2 characters/sec.(MAX) (character size: 5mm) *1		
Character sets	Alphabet (Uppercase, Lowercase), numerals, symbols: 80(total)	Dimensions	Mechanical unit: Approx. 207(W)x215(H)x185(D)mm Control unit: Approx. 318(W)x273(H)x261(D)mm
Character size (=height)	0.5 to 30mm (in increments 0.5mm)		
Font	Our original fonts (3 types)	Mass	Mechanical unit: Approx. 7kg Control unit: Approx. 9kg
Strings registered number	255 (1 to 255 in J number)		
Sequences registered	255 (1 to 255 in S number)	Accessories	Application soft (For Windows®XP, CD-ROM) Operation manual(3), Power cable
String length	1 to 36 characters		
Character rotation degree	45 degrees step	Options	VM7891 Operating unit VM7834 Marking stand
Interface	RS-232C (Serial), I/O (Parallel)		
Other functions	Increment, circular arc marking, calendar		

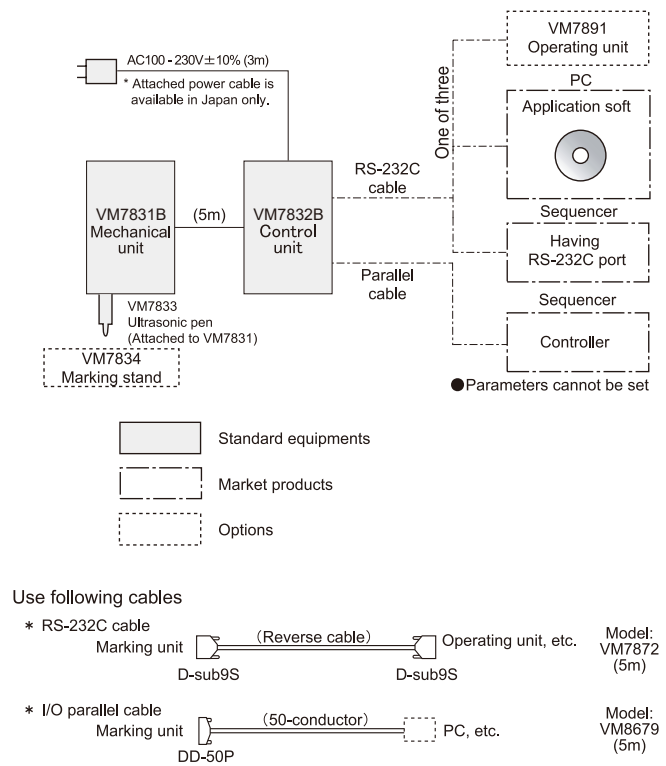
*1 The rate varies according to letter, character size, font and marking speed setting. For details, please consult our sales department.

Dimensions

Unit:mm



Block Diagram



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NOTICE: *Specifications and design are subject to modify without notice.

*This product (incl. technologies) is a target of catch-all controls.

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