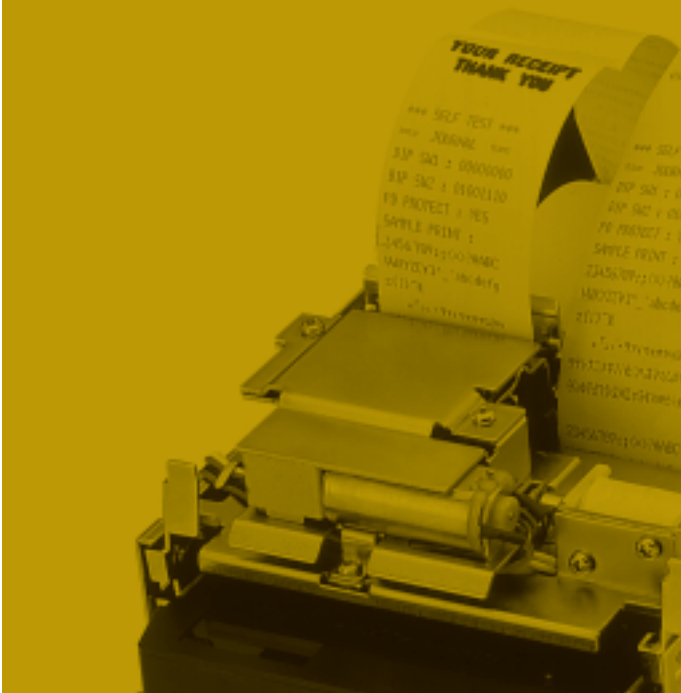


Dot Impact Printer Mechanisms



Even as demand for thermal printers is growing, dot impact printers are still required around the world, with demand continuously strong. They feature plain paper printing and high-speed printing, and are indispensable for check and validation applications. As with thermal printers, JCBM emphasizes the development of dot impact printers based on its precision equipment technology. In this way it also makes a point of offering products that meet customer needs in this printer category.



Type Classification

MD-910 - SS A
① ② ③

① Type
910: 24 columns
911: 40 columns

② Knob
SS: No knob
HS: Horizontal knob
VS: Vertical knob

Paper roll
58 mm



MD-910

Features

- Compact design
- Light weight
- 5V operation
- Number of columns: 24 columns
- Knob model (type V or type H)

Specifications

Printing method	Serial impact dot matrix
Printing direction	One-way printing
Printing speed	Approx. 2.5 lines/sec.
Number of columns	24 columns: 144 dots/line
Font	5 × 7 matrix
Number of wires	8 pins (4 pins × 2 heads)
Character size (W × H)	Approx. 1.7 × 2.4mm
Character pitch	1.98mm (Interval of columns) 3.52mm (Interval of lines)
Motor	Voltage: 5.0V DC / Peak current: Approx. 1A / Average current: 0.3A max.
Dot pulse sensor	Photo interrupter
Home pulse sensor	Leaf switch
Printing sensor	Voltage: 5.0 ^{+0.5} _{-1.5} V DC / Resistance: 1.7 ± 0.3Ω (25°C)
Paper feeding solenoid	Voltage: 5.0 ^{+0.5} _{-1.2} V DC / Resistance: 9 ± 2Ω (25°C)
Connecting method	Copper foil patterns at 2.54mm pitch.
Driving voltage	3.5 ~ 5.5V DC
Printing paper	57.5 ± 0.5mm
Copy	Original print + 1 copy
Ink ribbon	Special ribbon cartridge of black or purple
Paper feeding speed	Approx. 5 lines/sec.
External dimensions (W × D × H)	90 × 45.5 × 16mm
Weight	105g ± 10%
Operating temperature	0 ~ 50°C
Storage temp. range	-25 ~ 70°C
Reliability	MCBF: 1.5 million lines

Accessories

Control board ▶ CBM-909-2D



CBM-909-2D

Interface	Parallel and serial
Number of columns	24
Font	5 × 7 (including half dot)
Command set	Unique
Firmware location	Masked CPU
Buffer	1 line
Supporting devices	LF switch, On-line switch
Dimensions	80 × 55.5mm
Source voltage	4.0+0.7/-1.0V
Custom control chip	909PC-2DU

Control chip ▶ 909PC-2DU



Paper winder ▶ AW-5 (not supported by CBM-909)



Ink ribbon ▶ IR-91, IR-91L (Long life)

