

*LINE THERMAL BAR CODE PRINTER*

# RING 5012 PMX



## HIGH CLASS PRINTER

- HIGH PERFORMANCE, RELIABLE AND DURABLE
- RIDGED STEEL CABINET
- 5 INCH WIDE 300DPI, 12 INCH/SEC.
- HIGH SPEED PROCESSING BY 32 BIT RISC CPU
- 16MB SDRAM & 4MB FLASH MEMORY
- PEEL OFF MODE AS STANDARD
- LABEL MAKING SOFTWARE & WINDOWS DRIVERS
- INTERNAL REWINDER AS STANDARD
- VARIOUS OPTIONS

## RING 5012PMX SPECIFICATIONS

### PRINT METHOD

- Thermal Transfer/Direct Thermal
- Harmonic (History Control Print head)

### MEDIA TYPE

- Die cut labels
- Butt cut labels tags
- Tag stock
- Roll stock (continuous s/o die cuts)
- Fan Fold

### PRINT WIDTH

- 5" / 128mm

### MEDIA WIDTH

- 1.5" / 40mm to 5" / 134mm

### MEDIA THICKNESS

- 0.0025" to 0.01" / 0.065mm to 0.2mm

### CABINET

- All steel cabinet
- LABEL ROLL
- 9" / 230 mm maximum diameter

### RIBBON ROLL

- 3"/75mm maximum diameter

### DOT RESOLUTION

- 300DPI / 12 Dot per mm

### PRINT LENGTH

- 5" \* 39" (128 \* 1100mm)

### PRINT SPEED

- 1" - 12"/sec. (15 mm - 300 mm/sec.)

### BAR CODE

- Code 39, Code 93, Code 128, NW7, 2 of 5 (Industrial, Matrix and interleaved), EAN-JAN 13/8, UPC-A/E, EAN128 QR Code, PDF417, Data Matrix, Maxi Code, Veri Code

### MEMORY

- 16MB SDRAM
- 4MB Flash memory (Up to 16MB as option)

### LCD DISPLAY

- 2 lines by 16 characters (Alpha / Numeric)
- Back Light

### SENSORS

- Ribbon sensor (Reflective method)
- Label sensor (Transmit method)
- Home position (Transmit-Auto calibration method) (Reflective sensor as option)

### SOFTWARE

- ALL Label (Dynamic 32 bit Windows software)
- Windows Drivers

### FONT CHARACTER SIZE IN DOTS

- 8 Character Sets (Alpha/Numeric and symbols) 8\*8, 12\*12, 16\*16, 16\*24, 24\*24, 24\*36, 32\*40, 48\*60  
Expansion is 1-10 and 16 times (Both directions)
- 6-OCRB Character Sets (4 Numeric and 2 Alpha/Numeric)  
Numeric - 16\*18, 24\*27, 32\*36 and 40\*45  
Alpha/Numeric - 20\*24, 32\*32  
NOTE : Should Not Expand
- Scalable Smooth Fonts (Bitstream Swiss 721) Programmable  
32-720 Dot width  
32-720 Dot length  
Italic Slant Programmable 10, 15 and 20 degrees. NOTE : 8-31 Dots printing is available but must be matched properly with speed and media
- Down loadable font

### EXTERNAL CHARACTER BY DOT PROGRAM

- Programable Expansion  
Characters 256 (24X, 24Y)

### PRINTING MODES & FUNCTIONS

- Peel off, Tear off (demand type) with label back feed for top of label printing.
- Batch printing (strip-for continuous printing of labels. Can be used with optional External Rewinder)
- Butt cut label printing (Requires optional back side mark sensor)

### PROGRAMMING LANGUAGE FEATURES

- Advanced Label marking Language-ALL
- ALL commands are all ASCII characters. This allows flexibility with many environments and platforms
- Easy to program and format printing areas
- Pixel programming allows expanded area of up to 4 times
- Four direction print rotation (0, 90, 180 & 270 degrees)
- Reverse print and area fill in
- Mirror print
- Half Tones
- Lines, dotted lines, angle lines and boxes
- Bit image data transfer and printing
- Down loadable graphics, text, font and formats to optional memory card
- Character Set (Code page)table
- Serializing (Numeric)
- Time and date (OPT)
- Communication and print functions

### ERROR INDICATORS

- Label / Ribbon empty
- Head open
- Communication
- Grammatical
- Parameter (Each error is notified by buzzer and LCD)

### ADJUSTABLE PRINT FUNCTIONS SELECTABLE THROUGH FRONT PANEL OR BY SOFTWARE

- Print Speed / Energy Settings
- Print Density - Label Print Position
- Cutting Position
- Thermal Transfer / Direct Thermal
- Test Printing
- Ready / Pause

### COMMUNICATION INTERFACE-SELECTABLE THROUGH FRONT PANEL OR BY SOFTWARE

- Parallel I/F
- RS-232 / to 115,200 baud rate  
Line Control-RS-CS, XON-XOFF, ER-DR  
Stop Bits  
Parity  
Data length

### DIMENSIONS

- 10.6"W\*16.9"H\*19.6"D  
270W\*430H\*500Dmm

### WEIGHT

- 52 lb / 24 kg

### POWER SOURCE

- 115 volts +-10% AC 50/60HZ
- 240 volts +-10% AC 50/60HZ
- Built to UL/CSA safety standard and FCC emissions standards.

### Environmental

- Operating temperature  
41 to 104 Fahrenheit / 5 to 40 Centigrade
- Relative humidity below 85% Non-condensing
- Ventilation : Air Movement
- Dust : Non-Conducting, Non-Corrosive

### OPTIONS

- Cutter ( For thin label)
- Cutter (For thick label)
- Reflective Sensor
- Print Format Resister
- Font memory (8, 12, 16MB)
- LAN Interface  
100 Base -TX/10Base-T (TCP/IP Protocol)
- USB

### APPROVALS

- FCC Class A ; U/L ; TÜV ; CE

### THE ABOVE IS FOR INFORMATION ONLY.

Autonics Company limited reserves the right to change specifications without notice.  
Bit stream is a registered trademark of Bit stream Inc.

**Autonics Co., Ltd.**

4-14-26 Shimomuneoka Shiki-shi  
Saitama 3530008 Japan

