

*THERMAL/THERMAL TRANSFER BAR CODE PRINTER*

# **RING 4000PIM SERIES**



Clean Room SUS frame  
with Rotary Cutter

## **COMPACT AND RELIABLE INDUSTRIAL PRINTER**

- HIGH PERFORMANCE, RELIABLE, AND DURABLE
- RIDGED STEEL CABINET
- 203, 300, 400, 600DPI
- SMALL FOOTPRINT – 220MM(W) X 260MM(D)
- 203MM O.D. SUPPLY ROLL CAPACITY
- 32BIT RISC CPU
- PEEL OFF MODUL COMES STANDARD
- VARIOUS OPTION

## RING 4000PIM SPECIFICATIONS

### PRINT METHOD

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

### PRINT RESOLUTION

- 203 , 300 , 400 , 600 DPI

### PRINT SPEED

- 15 mm – 150 mm/sec.

### PRINT WIDTH

- 108 mm

### PRINT LENGTH

- 5 mm – 999 mm

### MEMORY

- 8MB SDRAM
- 4MB Flash

### MEDIA TYPE

- Roll stock (continuous s/o die cuts)
- Fan Fold
- Tag

### MEDIA WIDTH

- 116 mm

### MEDIA THICKNESS

- .0635 mm to .254 mm

### SUPPOY ROLL CAPACITY

- Maximum Diameter 203mm

### RIBBON ROLL CAPACITY

- Maximum Diameter 75mm

### CABINET

- All steel cabinet

### LCD DISPLAY / 2LEDs / BUZZER

- Printer Status
- Operation Settings

### SENSORS

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

### ERROR INDICATORS

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

### 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, RSS

### FONTS-CHARACTER SIZE IN DOTS

- 8 Character Sets (Alpha/Numeric and symbols) 8\*8, 12\*12, 16\*16, 16\*24, 24\*24, 24\*26, 32\*40, 48\*60  
Expansion is 1-10 and 16 times (Both directions)
- 5-OCRB Character Sets (4 Numeric and 1 Alpha/Numeric)  
Numeric – 16\*18, 24\*27, 32\*36 and 40\*45  
Alpha/Numeric – 32\*32  
NOTE : Should Not Expand  
Scalable Smooth Fonts  
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

### PRINTING MODES & FUNCTIONS

- Standard Mode
- Strip Mode
- Tear Off Mode
- Peel Off Mode
- Cutter Mode (Requires Option Cutter)

### 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)
- Communication and print functions
- RLE data compression
- Graphic supported AIM, AIX, BMP, PCX (Monochrome only)

### 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 / USB (User Select)
- RS232C
- LAN (option)

### POWER SOURCE

Multiple Power Supply  
Industrial Standard  
115 volts +-10% AC 50/60 HZ  
240 volts +-10% AC 50/60 HZ  
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 (guillotine)
- Cutter (non stop rotary)
- External Label Stocker
- Back side mark sensor
- 8MB Flash Memory
- Verifier 1D / 2D
- Clean Room (SUS frame)
- Laminator

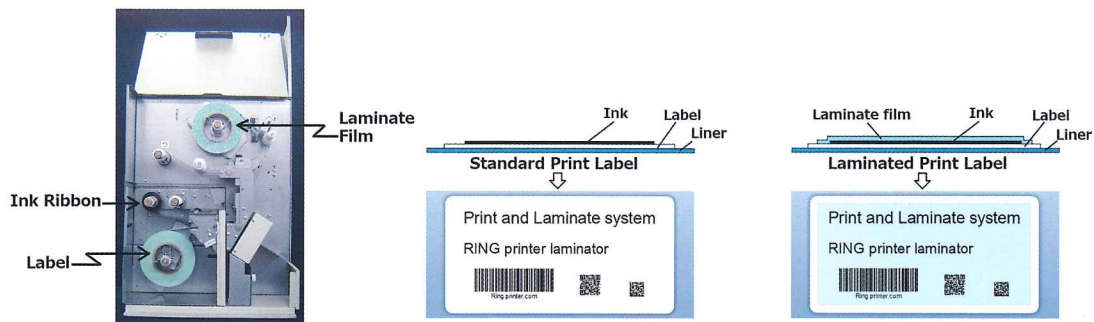
### DIMENSIONS

- 225mmW\*300mmH\*260mmD

### WEIGHT

- 9 kg

## Laminator



THE ABOVE IS FOR INFORMATION ONLY.  
Autonics Company limited reserves the right  
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