

# Fastmark 4000 Series

## Rugged Construction For Demanding Environments



### Fastmark 4000 – The Most Economical Industrial Direct Thermal & Thermal Transfer Printers In Their Class

Robust, rugged, and high performance are the hallmarks of the Fastmark 4000 Series printers. Whether demand or bath applications, these printers offer value-priced versatility. In addition, the Fastmark 4000 Series uses AMT Datasouth's exclusive Printer Application Language (PAL) to provide all the benefits of a truly smart printer without reprogramming your host system or requiring a dedicated PC.

#### Industrial-Strength Construction

- Solid metal casing, frame, and print module construction
- Auto-label calibration, auto-label counting, anti-jam media path
- Peel and present with internal rewind model
- Cutter Option

#### Economical Integration

- Resident typographic font set, international character sets
- Side load-mechanism for easy media and ribbon loading
- Supports rich fonts, full graphics, all popular linear and 2-D barcode symbologies



**AMT**Datasouth

**PAL**<sup>SM</sup>  
It speaks your language 

# FM 4000 Series – Economy and Performance Make One Strong Package

- 32 bit RISC processor
- Full-function front panel (multilingual LCD display simplifies installation, configuration, and operation)
- Variable print speeds
- Variable position Gap, Notch, and Black Bar Sensor
- 203dpi - 300dpi print resolution
- Label Design Software allows printing from PC and creating stand alone applications (not available with PAL)



## PRINTER SPECIFICATIONS INCLUDE:

<b>Models</b>	FM4402, FM4602, FM4603, FM4602 PAL, FM4603 PAL
<b>Speed</b>	FM4402: Variable 2 to 4 ips, FM4602, FM4603: Variable 2 to 6 ips
<b>Print Resolution</b>	FM4402, FM4602: 203 dpi (8 dots/mm) FM4603: 300 dpi (12 dots/mm)
<b>Fonts</b>	International character sets 12 alpha-numeric fonts from .049" - 0.23"H (1.25mm-6.0mm) (not available with PAL) All fonts expandable up to 24 x 24 (not available with PAL) 4 direction 0° - 270° rotation Downloadable soft fonts Smooth scaling with PAL
<b>Graphics &amp; Bar Codes</b>	Code 39, Extended Code 39, Code 93, Code 128 UCC Code 128(Subset A,B,C), Codabar, Interleave 2 of 5 EAN-8 2&5 add on, EAN-13, EAN-128, UPC, UPC-A E 2&5 add on, POSTNET, German POST, Matrix 25 Maxicode, PDF-417, PCX, BMP, GDI graphics (German POST, PCX, BMP, GDI graphics - not available with PAL)
<b>Print Width</b>	FM4402, FM4602: 1.0" - 4.09" (25mm - 104mm) FM4603: 1.0" - 4.25" (25mm - 108mm)
<b>Print Method</b>	Direct Thermal and Thermal Transfer
<b>Media Size</b>	Max width 4.5" (110mm), Min width 1.0" (25mm) Min length 0.4" (10mm) Thickness .0025" ~ .01 (.0635mm ~ .245mm) Max roll capacity 8" (203mm) O.D. Core size 1.5" ~ 3" (38mm ~ 76mm) I.D. Back feed slot
<b>Media Type</b>	Roll, die-cut, continuous, fan-fold, tags, ticket, thermal paper, plain paper, synthetics or foils
<b>Indexing</b>	Black Bar, Notch and Gap
<b>Ribbon</b>	Wax, Wax/Resin, Resin Ribbon width - 1" - 4.5" (25mm - 114mm) Ribbon roll - max O.D. 3" (76mm) Core size 1" core I.D. (25mm) Ribbon length - 1181' (360M)

<b>Memory/Buffer</b>	FM4402: 512K DRAM, 512K Flash FM4602, FM4603: 2MB DRAM, 1MB FLASH ROM
<b>Software</b>	Windows Drivers (95/98/NT/2000) Label creation software included (not available with PAL) PAL - FeatureMan, FlashWiz, ComLog Utilities
<b>Emulations</b>	Multiple Industry Emulations FM4402, FM4602 - A & B Industry Emulations FM4602 - Z Industry Emulation FM4602, FM4603 - PAL Emulation
<b>Interface</b>	Centronics parallel, RS-232 serial, USB option PS-2 Keyboard Interface (FM 4602, FM 4603)
<b>Network Interface</b>	External and internal LAN print server option
<b>Physical/Electrical</b>	W9.8" X H10.2" X L16.0" (W250 X H260 X L410mm) 24.6 lbs (11kgs) 110/220 VAC ± 10%, 50/60 Hz CE, UL, CUL, FCC class A
<b>Environmental</b>	40°F ~ 100°F (4°C ~ 38°C) 10 ~ 90% non condensing FCC Class A emissions
<b>Options</b>	Cutter Peel and Present w/ internal rewind FLASH memory card - 512K (FM 4402) SRAM memory card - 512K (FM 4402) Real time clock w/512K FLASH Stand alone keyboard w/LCD and format storage (FM4402) External PS/2 keyboard (FM4602, FM4603) USB
<b>Warranty</b>	One year Parts and Labor, Return to Depot Six months Printhead

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