

# SOLID T4-2

**MAXIMUM FLEXIBILITY  
FOR SMOOTH  
PRODUCTION  
AND LOGISTICS  
PROCESSES**

## 4-inch Thermal Printer for the Toughest Continuous use

### HIGHLIGHTS / FEATURES / SPECIAL ATTRIBUTES

- Optionally available in 5-inch width
- USB, Ethernet (10/100 Mbit) as standard
- Laser printer compatible
- SAP® and AS/400 compatible (through PCL5 + JetCAPS as well as LAN-IPDS)
- Very high printing speed
- Robust metal case
- Ribbon Safe Modus

### FIELD OF APPLICATION

- Stickers, labels and tags
- Roughest production and logistics operations
- Fast just-in-time printing or batch processing
- Toughest continuous use



## Print Engine

<b>Print technology</b>	Thermal transfer/direct thermal harmonic (history-controlled near-edge print head)
<b>Controller</b>	MPC 8.x
<b>Print speed</b>	up to 16 Inch/s up to 406 mm/s
<b>Print resolution</b>	300 dpi x 300 dpi
<b>Lifetime print head</b>	Transfer: up to 50,000 m, Direct: up to 25,000 m
<b>Power supply</b>	110/240 VAC, 50/60 Hz
<b>Power consumption</b>	3,2 A
<b>Dimensions (WxDxH)</b>	12.6" (320 mm) x 19,3" (490 mm) x 12" (305 mm)
<b>Weight</b>	44 lbs (20 kg) (without options)
<b>Environment temperature</b>	5 - 35°C
<b>Relative humidity</b>	45 - 75 % (rel., non-condensing)
<b>Interfaces</b>	USB, IEEE 1284 Ethernet-Interface 10/100 MBit, bi-directional (TCP/IP)
<b>Optional*</b>	RS232, RS422 WiFi: IEEE 802.11 n/g/b, WEP with 64 and 128 Bit, WPA/WPA2, WPA-PSK/WPA2-PSK
<b>Memory</b>	RAM: 256 MB Flash: 256 MB

## MPC 8.x High-End Print-Controller

### Emulations

MICROPLEX IDOL, HP-PCL5/ HPGL, AGFA Reno, LN03+, BULL-MP6090, IGP/PGL, Datamax, Etimark MP-1220, TEC Bx72, TEC B6xx, LDC, ZPL II, EPL2, Intermec Direct Protocol, IER Command, cab, Godex EZPL, Diablo 630, IBM Proprinter, Epson FX-80 (ESC/P), MT-600/MT40, IDS, ANSI Genicom, TIFF, HP Designjet, XML (SAP® RFID), CUPS Raster

### Optional Emulations

μ-Postscript, CODE-V (Magnum), XEROX XES, KODESCRIPT+, Prescribe/PSB 2, Labelpoint, IPDS, AEA, PDF Direct Printing\*\* (more emulations on request)

### Barcodes

EAN 8, 13, 128, add on, 2/5 3-stroke Datalogic, 2/5 3-stroke Matrix, Codabar, PDF 417, Royalbar, Planet, Jetcaps (HP/SAP), Code 39, 128 MSI, UPC A, E, Postnet, KIX, USPS One Code

### Optional Barcodes (Barcode 2)

Datamatrix, Maxi-Code, QR Code, Aztec-Code, USD-5 (more barcodes on request)

### Additional functions

<b>Network capabilities</b>	authentication standard IEEE 802.1X
<b>Intelligent barcode generation</b>	on-the-fly in the printer.
<b>Format splitting</b>	in several subformats by command.
<b>Ribbon Save Mode</b>	active from 12 mm unprinted length, to save ribbon.

### Optional functions

#### Integrated form management (RFM)

Forms and fonts can be stored in the flash memory and can be accessed when needed.

#### Status-Out

gives notice of each correctly printed page via interface. Further features can be found in the manual.

#### Programmable GPIO-Interface (SPS-Control)

EMBEDDED INTELLIGENCE – Enabling two-way communication between printer and a PLC.

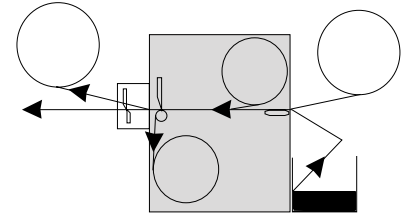
Integration of the printer into production lines is possible, controlled by GPIO-interface.

Customer / Application specific modifications possible.



## Printable Media

<b>Size</b>	1" - 6" (25.4 - 154 mm) width printable width 4.2" (106 mm)
<b>5" width</b>	1" - 6" (25.4 - 154 mm) width 5" (128 mm) printable
<b>Roll diameter</b>	max. 210 mm (max 4,250 g)
<b>Core diameter</b>	1.5 / 3 / 4 Inch (38.1 - 102 mm)
<b>Weight</b>	max. 240 g/m <sup>2</sup>
<b>Paper thickness</b>	0.0078" - 0.035" (0.2 - 0.9 mm)
<b>Thermal transfer</b>	
<b>Ribbon</b>	roll diameter max. 3.54" (90 mm)
<b>Core diameter</b>	1" (25.4 mm)
<b>Ribbon length</b>	max. 600 m
<b>Coated side</b>	inside (outside possible)
<b>Ribbon width</b>	1.18" - 4.33" (30 - 110 mm)
<b>5" width</b>	1.18" - 5.2" (30 - 132 mm)



## Paper Path

### Input

Continuous  
internal from roll, external, e.g. fanfold  
standard: Gap sensor (transmissive)  
optional: Black Mark sensor (reflection)

### Output

Single / Job                      tear-off

### Optional

Continuous                      externer Rewinder  
Single                                peel-off, Cutter  
Job                                      cutter

\* Not all interface options can be activated at the same time.  
\*\* Only available from MPC 3.4, MPC 3.6 MPC 7.1 and MPC 8.x

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APAC

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