

# SOLID F90HD

**HIGH PERFORMANCE,  
IMPRESSIVE COST  
EFFECTIVENESS**

## Efficient Flash Fusing Printer for Sensitive Materials

### HIGHLIGHTS / FEATURES / SPECIAL ATTRIBUTES

- Prints on paper, PVC, plastic, etc.
- USB, Ethernet (10/100/1000 Mbit) as standard
- Laser and matrix printer compatible
- SAP® and AS/400 compatible (through PCL5 + JetCAPS as well as LAN-IPDS)
- Perfect control via Status Out

### FIELD OF APPLICATION

- Label batch printing
- Ticket printing
- Business and logistics documents



## Print Engine

<b>Print technology</b>	LED, OPC, xenon flash lamp with halogen preheat
<b>Controller</b>	MPC 3.4
<b>Print speed</b>	3,000 lpm (6 lpi) 12.7 m/min up to 85 pages/minute (A4 2-up)
<b>Print resolution</b>	max. 600 dpi x 600 dpi
<b>Duty cycle</b>	up to 750,000 pages (A4 2-up) (based on a using period of 60 month)
<b>Power supply</b>	230 VAC +/-10% , 50 Hz (delivery with 32 Amp. connector)
<b>Power consumption</b>	max. 5.5 KVA (in operation) max. 0.6 KVA (in stand-by)
<b>Dimensions (WxDxH)</b>	30.7" (780 mm) x 35" (890 mm) x 51.9" (1320 mm) (Printer only) 30.7" (780 mm) x 36.8" (935 mm) x 51.9" (1320 mm) (Printer w. Stacker)
<b>Weight</b>	606.3 lbs (275 kg) (with Stacker)
<b>Environment temperature</b>	15 - 30°C
<b>Relative humidity</b>	30 - 80 % (rel., non-condensing)
<b>Interfaces</b>	USB Ethernet-Interface 10/100/1000 MBit, bi-direktional (TCP/IP) IEEE 1284 (Centronics), WIFI IEEE 802.11 n/g/b, WEP mit 64 und 128 Bit, WPA/WPA2, WPA-PSK/WPA2-PSK
<b>Optional</b>	RAM: 4 GB Flash: 16 GB

## MPC 3.4 High-End Print-Controller

### Emulations

MICROPLEX IDOL, HP-PCL5/ HPGL, AGFA Reno,  $\mu$ -Postscript, LN03+, BULL-MP6090, Etimark MP-1220, TEC Bx72, TEC B6xx, Diablo 630, IBM Proprinter, EPSON FX-80 (ESC/P), MT-600/MT40, IDS, ANSI Genicom, TIFF, XML (SAP® RFID), CUPS Raster

### Optional Emulations

CODE-V (Magnum), XEROX XES, KODESCRIPT+, Prescribe/PSB 2, IGP/PGL, Datamax, Labelpoint, LDC, ZPLII, EPL 2, Intermec Direct Protocol, IER Command, cab, Godex EZPL, HP Designjet, IPDS, AEA, PDF Direktdruck\*, (more emulations on request)

### Barcodes

Codebar, Code39, MSI, PDF417, Interleaved 2/5, Interleaved 2/5 (3-Stroke Datalogic), Interleaved 2/5 (3-Stroke Matrix), EAN-8, 13, 128, Add-On-Codes, Code11, Code93, Code 128, UPC-A, UPC-E

### Optional Barcodes (Barcode 2)

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

### Additional functions

<b>Network compatibility</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>Integrated form management (RFM)</b>	Forms and fonts can be stored in the flash memory and can be accessed when needed

### Optional functions

#### Status-Out

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

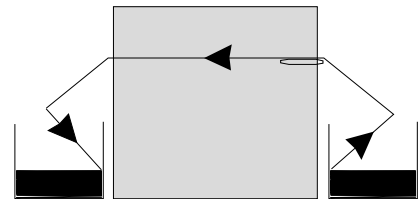
#### Programmable GPIO-Interface (SPS-Control)

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>	
Form length	7" - 24"
With stacker	7" - 14"
Form width	6" - 18"
Printable area	17"
<b>Weight</b>	60 - 204 g/m <sup>2</sup>



## Paper Path

### Input

push tractor

### Output

stacker  
capacity: 3,000 pages (at 64 g/m<sup>2</sup>)

\* Only available with MPC 3.4, MPC 3.6, MPC 7.1 and MPC 8.x

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