

# THERMOLASER 22-4

# THERMOLASER 22-6

# THERMOLASER 22-8



## Technology - Crossover

### ■ THERMO-printing with laser-intelligence

These thermal printers with laser intelligence support all kinds of applications with a proven, durable thermal printer technology

### ■ PCL5 data on a thermal printer

The innovative emulations allow usage in many imaginable applications (with PCL5 as a standard application and many other possibilities such as laser printer Prescribe, Xerox XES, ...)

### ■ IBM IPDS / SAP compatibility

Internal IPDS emulation for direct connection to the IBM world (iSeries, AS/400)  
Easy access to SAP and Oracle systems

### ■ Target markets

Hospitals, medical facilities,  
Fish and meat production / packaging  
Pharmaceutical production

MICROPLEX®



		22-4	22-6	22-8
<b>PRINTENGINE</b>	Print technology	Thermal transfer/direct thermal harmonic (history controlled flat head technology)		
	Print speed	up to 150 mm/s up to 6 inch/s		
	Resolution	300 dpi x 300 dpi		
	Lifetime print head	up to 50.000 m (thermal transfer) up to 30.000 m (direct thermal)		
	Dimensiones (W x D x H)	274 x 512 x 291 mm	345 x 516 x 285 mm	395 x 415 x 260 mm
	Weight (without options)	15 kg	16,6 kg	18 kg
	Power supply	100/240 V, 50/60 Hz		100-120 V, 200-240 V, 50/60 Hz
	Environment	rel. hum. (n.-cond.) 45 – 75 %, temperature 5 – 35°C		
<b>CONTROLLER</b>	Controller	MPC 6.6 with ATMEL AT91SAM 9260 (200-MHz-RISC-Processor)		MPC 5.X with Intel XScale PXA 255 (200-MHz-RISC-Processor)
	Memory	RAM 64 MB Flash 16 MB		
	Interfaces optional	USB, IEEE 1284, Ethernet (10/100 MBit, bi-directional TCP/IP) <i>RS232, RS422, SPS-Control</i> (Integration of the printer into production lines, controlled by SPS-Interface)		
	Emulations optional	IDOL, HP PCL5e, Kyocera Prescribe, µ-Postscript, TIFF, ZPL II, Datamax, EPL, IBM ProPrinter, Epson FX, MT 40, CUPS Raster <i>Printronix IGP, Code V, IPDS</i>		
	1D Barcodes	EAN-8, EAN-13, EAN-128, Add-On-Codes, Code11, Code93, Code128, UPC-A, UPC-E, Codabar, Code39, MSI, Interleaved 2/5, Interleaved 2/5 3-Strich Datalogic, Interleaved 2/5 3-Strich Matrix, Postnet, Planet, KIX, Royalbar, USPS One Code		
	2D Barcodes	Aztec-Code, PDF417, Datamatrix, Maxicode, USD-5		
	Functions optional	Intelligent Barcode-Generation (the barcode will be generated „on-the-fly“ by the print-controller) Format splitting (the printer splits the page into several subformats) Integrated forms management (up to 12 MB Flash are available for forms, logos and fonts) <i>Status-Out</i> (gives notice of each correctly printed page via the interface)		
	<b>MEDIA</b>	Input	continuous, internal from roll, external (e.g. fanfold)	
Sensor type		Sensor for black mark and label gap (Reflection and transmissive)		
Media thickness		0,06 mm 0,25 mm		
Media width (max. / printable)		118 mm / 106 mm	178 mm / 168mm (165 mm mit Cutter)	228 mm / 219 mm
Roll diameter		max. 203 mm mit 3" core		
Core diameter		1,5 or 3 inch (38,1 or 76,2 mm)		
Ribbon		max. 450 m lenght on a 1 inch core (25,4 mm)		
Coated side		inside/outside		outside
Ribbon width		30 mm 110 mm	60 mm 174 mm	max. 220mm
<b>OPTIONS</b>	Cutter	yes		
	Peeler / Rewinder	yes (internal)		no
	24 V Conversion	yes (factory option)		no
	W-LAN Interface 802.11g	yes (factory option)		no
	UHF-RFID	integrated multi protocol-reader 869,5 MHz USA (902 928 MHz) <sub>request</sub> - Japan (952 954 MHz) <sub>request</sub> on		
	Protocol	EPC Class 1 Gen2, EPC 1.1.9 Philips, ISO 18000-6B/6C		
	Features	read/write/verify (void)		
	Gap between antennas	min. 10 mm		min. 20 mm
	Registration of antenna position	automatical (depending on antenna design)		manual
	Integration	SAP + SUN middleware driver, MICROSOFT .NET 5.0 library		