

ttPRINT ML Inline thermal transfer printer



- Print head: 53 / 107 / 128 mm
- Print length: 140 - 630 mm
- Ribbon-saving function
- High speed capacity
- Packaging machinery integration
- Quick ribbon change
- Easy operation



... the leading manufacturer of printing, coding and marking systems

ttPRINT ML *Inline thermal transfer printer*



Operation via: control unit (standard)



touch panel (optional)



or via layout creation software
ttGRAPHIC (optional)

Synchronized Operation Thermal Transfer Printer

The synchronized operation thermal transfer printer is a high resolution direct print module specifically designed for integration into packaging and labelling machines. It is suited to all industries (e.g. pharmaceutical, medical and food).

A range of print widths and print lengths allow the ttPRINT ML to code areas up to 128 x 630 mm.

The ttPRINT ML suits applications where more complex print designs are required. It is however also suited to applications for the simultaneous printing of several smaller-sized products within multiline packaging machines.

Mounting frames offer quick and easy installation for most standard applications. More complex or bespoke installations can also be catered for with custom bracketry.

The ttPRINT ML is simply operated through the control unit, with an IBM®-keyboard, through an intuitive touch panel or via a PC.

Messages are composed using the layout creation software ttGRAPHIC.

ttGRAPHIC can incorporate complex print images including 1D- and 2D-codes or integrate with SAP and database links. The ttGRAPHIC software is simple to operate and WYSIWYG (What You See Is What You Get), allowing users to see on-screen exactly how messages will print.

Specialized ribbon for the ttPRINT ML gives optimal reliability and print quality. Proven for use when coding on PE, PP, paper, Tyvek®.

Features / Standard equipment

- High definition print at 300 dpi Corner-Edge Technology
- Cost reductions achieved through ribbon-saving functionality
- Flexible coding of sell-by-date, barcode, complex graphics or information from external databases etc.
- Date / Time
- Compact-Flash-Card, max. 1 GB
- IBM®-keyboard connection
- Network-compatible
- Minimal set up time

Technical data

Type	ttPRINT ML 53	ttPRINT ML 107	ttPRINT ML 128
Max print width:	53 mm	107 mm	128 mm
Print lengths:	140 mm, 240 mm, 340 mm, 447 mm, 570 mm, 630 mm (all types)		
Resolution:	300 dpi	300 dpi	300 dpi
Print speed:	up to 450 mm/s	up to 450 mm/s	up to 400 mm/s
Return speed:	up to 500 mm/s	up to 500 mm/s	up to 400 mm/s
Barcodes			
1D-Codes:	EAN 8, EAN 13, EAN 128, EAN ADD ON, UPC-A, UPC-E, Code 39, Code 39 ext., Code 93, Code 128A, Code 128B, Code 2/5 interleaved, ITF 14, ITF 16, CODABAR, Pharmacode, PZN Code, Identcode / German Post Code		
2D-Codes:	PDF417, MAXICODE, DataMatrix, CODABLOCK F, QR Code		
Composite Codes:	GS1 DataBar Expanded, GS1 DataBar Limited, GS1 DataBar Omnidirectional, GS1 DataBar Stacked, GS1 DataBar Stacked Omnidirectional, GS1 DataBar Truncated – Further Codes on request		
Interfaces			
Serial:	RS-232, RS-422 *, RS-485 *		
Parallel:	Centronics		
USB:	1.1		
Ethernet / LAN:	interne 10/100 Base-T *		
Thermal ribbon			
Max. length:	600 m (Ø 85 mm), colour outside		
Electrical connections			
Voltage supply:	230 V / 50 Hz; optional 115 V / 60 Hz		
Power consumption:	max. 380 VA		
Compressed air:	6 bar, dry and oil-free		
Operating conditions			
Temperature:	5 - 45° C		
Relative humidity:	max. 80 % (non-condensing)		

* option

Subject to technical and design changes. E&OE