



**Thermal Transfer Printers
TT4000-2, TT4000-3, and TT420**

HellermannTyton's range of thermal transfer printers are designed to cover the needs of most users in an industrial environment.

New premium TT4000 printer series

This series is intended for heavy-duty industrial applications. Various options such as the existing HellermannTyton perforator or cutter demonstrate the flexibility and power of this new printer.

Two print heads are available; a 300dpi (TT4000-3) version ideally suited for higher definition graphics such as 2d barcodes and a 203dpi (TT4000-2) version suitable for standard bar coding, numbers and text. Both printers are suitable for printing on labels, heatshrink, and Tiptags. As both printer models can print at speeds up to 250mm/s there is no significant loss of printing output when choosing a higher definition print head.



New standard TT420 printer

An entry-level 203dpi printer that is specifically designed to run HellermannTyton's standard range of adhesive labels and ShrinkTrak. The TT420 is best suited for those with small to medium volume print runs. The standard range of HellermannTyton ribbons can also be used.



TT420 series printer.



TT4000 series printer.

Thermal transfer printer TT420

- Print on ShrinkTrak
- Print on Adhesive Labels
- Uses standard ribbons
- 203dpi print head
- Barcodes: standard and 2D
- Print speed up to 127 mm/s
- Max print width 108 mm
- Max print length 609.6 mm
- 2 MB RAM
- Adjustable label sensor
- Interfaces: serial port, parallel port, USB
- Windows drivers: 2000, 2003, XP, Vista
- Dimensions:
213 mm (W) x 314 mm (D) x 188 mm (H)
- Weight 2.8kg

Thermal transfer printer TT4000-2 and TT4000-3

- Print on ShrinkTrak
- Print on Adhesive Labels
- Print on Tiptags
- Uses standard ribbons
- Print head 203dpi (TT4000-2)/300dpi (TT4000-3)
- Barcodes: standard and 2D
- Print speed up to 250 mm/s
- Max print width 104 mm (203dpi/105.6 mm (300dpi)
- Max print length 2000 mm
- Interfaces: serial port, parallel port, USB
- Adjustable label sensor 5 to 53
- 64MB RAM / 8MB ROM Flash
- Multiple language selection
- Self diagnostic feature
- Interfaces: Serial RS 232 C, USB2.0, Ethernet 10/100 Base T, LPD, RawIP-Printing, DHCP, HTTP, FTP, SMTP, SNMP, NTP, USB Master for keyboard and scanner
- Windows drivers: 98, ME, 2000, 2003, XP, Windows NT from version 4.0
- Mac drivers: OS X drivers from version 10.3
- Dimensions:
242mm (W) x 446mm (D) x 274 mm (H)
- Weight 9kg
- Options: cutter S3000 and perforators P3000

Technical Table	
Article-No.	Type
556-00420	TT420
556-04009	TT4000-2-UV
556-04008	TT4000-2-UK

For problem-free printing we recommend TagPrint PRO, page 384.



Use this selection matrix to find the right combination of material, ribbon and labels to suit your application.

Label material	Resistance to	Smudgeproof	scratchproof	Partly smudgeproof	Oils / benzenes	Alcoholic solvents	etching	approved	TT ribbon	Application
		■	■	■	■	■	■	■		
1210/1211/1212/1213	→	■							TT932DOUT	Machinery: Control boxes, Switchgear cabinets
	→	■	■			■			TT940DOUT	
	→	■	■		■				TT822OUT	
1204	→	■	■			■			TT940DOUT	Packaging, Aviation, Aerospace, Rating plates
	→	■	■		■			■	TT822OUT	Automotive: Brake and Air Conditioning cables in Engine, Compartment, Electronics, Temp. Sensors, Rating plates
	→	■	■		■	■			TTDTHOUT	
823/1206/1207	→	■							TT932DOUT	Electromotors (rotor/stator, production marking)
	→	■	■			■			TT940DOUT	Packing, Electronics: Component marking, EPROM protection, Switchgear cabinets; Warning signs
	→	■	■		■			■	TT822OUT	
1203/951	→	■	■			■			TT940DOUT	Electronics: Rating plates;
	→	■	■		■			■	TT822OUT	Automotive: Rating plates (KBA-approved)
	→	■	■		■	■			TTDTHOUT	
1209/320/322	→			■					TT896DOUT	General cable marking
	→	■							TT932DOUT	Rail eng.: Power cables, Fibre Optic cables
	→	■	■			■			TT940DOUT	Telecoms: ADSL/HF cabling
	→	■	■		■				TT822OUT	Electronics: Cable printing
1208	→	■	■						TT822OUT	Electronics: Seal identification
1205/321/917	→	■	■		■				TT822OUT	Electronics: Component marking
ShrinkTrak	→	■	■		■	■			TTDTHOUT	Print performance on expanded and recovered markers for military cables and harnesses to MIL-STD-202G (method 215J)
	→	■	■		■	■	■		TTRC+	
	→			■					TT822OUT8	Grey overprint giving good contrast on dark materials
TULT / TCGT	→			■					TTRW	White overprint giving excellent contrast on dark materials
	→	■	■		■	■			TTDTHOUT	Print performance on expanded and recovered markers for military cables and harnesses to MIL-STD-202G (method 215J)
	→	■	■		■	■	■		TTRC+	
	→			■					TT822OUT8	Grey overprint giving good contrast on dark materials
TIPTAG / TLFPT	→			■					TTRW	White overprint giving excellent contrast on dark materials
	→	■	■		■	■			TTDTHOUT	Excellent print clarity and very good smudge resistance
	→	■	■		■	■	■		TTRC+	Excellent smudge resistance and very good print clarity
TLFX / TIPTAG VA	→	■	■		■	■			TTDTHOUT	Excellent print clarity and very good smudge resistance



T.I.P.S. Ribbons

The thermal transfer print technology is based on heating up certain dots in the print head. This transfers the ink very precisely from the ribbon onto the surface of the printed material.

Recommended ribbons for printing on shrinking sleeve

The range of ribbons has been designed to give maximum print clarity and performance. Material can be handled immediately after printing, enabling the printed tubing to be immediately applied without a secondary mark stabilising operation.



Ribbons - TTRA, TTRC+.



ID: The standard inside core diameter is 25.4 mm. Other sizes are available on request.

Specifications please see table page 449 in Appendix.

Technical Table

Article-No.	Type	Colour	Width (W)	Quantity per pc
Ribbons for printing on heat shrink tubing				
556-00125	TTRW 30MM	White (WH)	30.0	300 m
556-00114	TTRC+ 30MM **	Black (BK)	30.0	300 m
556-00139	TTDTHOUT 40MM	Black (BK)	40.0	300 m
556-00115	TTRC+ 60MM **	Black (BK)	60.0	300 m
556-00140	TTDTHOUT 60MM	Black (BK)	60.0	300 m
556-00103	TTRC+ 100MM **	Black (BK)	100.0	300 m
556-00133	TTRW 100MM	White (WH)	100.0	300 m
556-00161	TT822OUT8 110MM	Silver Grey (SRGY)	110.0	300 m

All dimensions in mm. Subject to technical changes.

** Patent GB98074362



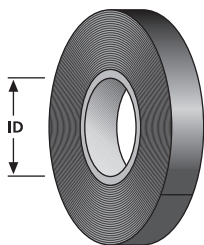
Ribbons for printing on labels

To ensure the high quality and permanence of the print, there are various ribbons for printing on labels available.

The ribbons are attuned to the various label materials to reach the high quality print matching the industrial needs.



TT4000 series printer.



ID: The standard inside core diameter is 25.4 mm. Other sizes are available on request.

Technical Table

Article-No.	Type	Recommended Material	Colour	Dimensions of Spool	
				Width (W)	Length (L)
Ribbons for printing labels					
556-00111	TT822DOUT 60MM	799/829/891/861/893/826	Black (BK)	60.0	300 m
556-00101	TT822DOUT 110MM	799/829/891/861/893/826	Black (BK)	110.0	300 m
556-00124	TT932DOUT 30MM	320/322/1209	Black (BK)	30.0	300 m
556-00117	TT932DOUT 85MM	320/322/1209	Black (BK)	85.0	300 m
556-00118	TT932DOUT 102MM	320/322/1209	Black (BK)	102.0	300 m
556-00119	TT896DOUT 85MM	320/322/1209	Black (BK)	85.0	300 m
556-00120	TT896DOUT 102MM	320/322/1209	Black (BK)	102.0	300 m
556-00121	TT940DOUT 85MM	823/917/951/1203/1204/1205/1207	Black (BK)	85.0	300 m
556-00122	TT940DOUT 102MM	823/917/951/1203/1204/1205/1207	Black (BK)	102.0	300 m
556-00140	TTDTHOUT 60MM	TIPTAG VA/823/917/951/1203/1204/1205/1207	Black (BK)	60.0	300 m
556-00141	TTDTHOUT 100MM	TIPTAG VA/823/917/951/1203/1204/1205/1207	Black (BK)	100.0	300 m

All dimensions in mm. Subject to technical changes.

Other ribbon qualities and colours on inquiry.



S3000 Cutter

This cutter allows users to cut tubing at a length set by the operator. The cutter can also be used with label materials. The cutter is fitted in front of the printer by simply attaching and locking it into position. When the printer is switched on again, the cutter is automatically recognised and initialised.

The collector box is a useful accessory. It provides welcome assistance, especially with smaller labels or heat shrink tubing offcuts.



S3000 TIPS Cutter and Cutter Tray – mounted to the printer.



Perforator P3000.

P3000 Perforator

Just like the S3000 cutter, the P3000 perforator is quick and easy to fit at the front of the printer. It represents an indispensable addition to the printing system. This accessory is especially recommended for incremental printing of serial numbers on heat shrink tubes.



Technical Table

Article-No.	Type
556-03006	S3000 CUTTER
556-03016	P3000 PERFORATOR
556-03011	CUTTER TRAY FOR S3000
556-03017	G3000 HEATSHRINK GUIDES
556-04014	TT4000 Dispenser kit



Software HellermannTyton TagPrint PRO

Features and Benefits

TagPrint PRO label creation and printing software is powerful, multi-functional and extremely easy to use. Used to provide solutions for industrial identification, TagPrint PRO speeds production and offers many options for a wide variety of labelling requirements.

“What You See Is What You Get” (WYSWYG) label creation, bar coding, serialization, label sets, wire lists, graphics and text choices are just some capabilities of TagPrint PRO software.

TagPrint PRO's functionality and simplicity of use makes it a market leading label creation software package and the ideal program for your printing needs.

TagPrint PRO can be utilized with HellermannTyton's wide array of label options including laser, ink jet, dot matrix and thermal transfer printable labels.



TagPrint PRO Label Creation Software.

New Features for Version 2.0

- Alphanumeric sequences
- Print to multiple printers at one time
- “Print later” feature allows user to save jobs in queue and print all at one time
- Print faster
- Connect or import directly from other databases including Excel, Access, text files
- More bar code types
- Inverse, flip, and mirror image options for graphic images
- Multi-lingual
- Print log available
- Manually adjust font size to 1/10 of a point
- Customize height and width of characters
- Customize line spacing
- Compatible with all TagPrint PRO version 1.0 files
- And much more!

System Requirements

- IBM compatible (Pentium is recommended)
- Operating system must be Windows 98se, ME, NT4.0, 2000 or XP
- 24 MB of RAM
- 16 MB of available hard-disk space

Technical Table			
Article-No.	Type	Media	Pack Cont.
556-00049	TAGPRINTPRO2.0	CD-ROM	1