

# TEXTILE MANUFACTURERS

PPE | WORKWEAR | SPORTS & FASHION | CONTRACT LAUNDRY | FOOTWEAR



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# TEXTILE MANUFACTURERS

**S**uccessful textile management requires perfect textile labelling. For more than 30 years THERMOTEX has been offering high-quality machines, the best equipment and excellent services. With experience, know-how and consistent quality management in accordance with DIN ISO 9001, THERMOTEX has established itself among the market leaders in the European market.

Whether its contract laundry, personal protective equipment, shoes, professional, fashion or sportswear: THERMOTEX provides you with complete system solutions with personal advice on your own premises. We introduce you to our products from the segments of labelling, finishing, identification and machines.

**THERMOTEX. The next Generation**



# OUR TEXTILE MANUFACTURERS HOUSE

## THE HOUSE WITH ITS PERSONAL SPACE

At THERMOTEX you will always find what you need; just like in your own home. In which area of our house can you see yourself? With the help of the page numbers and the corresponding icon, you can quickly find the products you are looking for.

Enjoy browsing!



### CONTRACT LAUNDRY

#### LABELLING

- ☐ Care labelling: NT, PS, PT, Ecoflex (p.7-8)
- ☐ Woven labels (p.8)
- ☐ CT2009 (p.9)
- ☐ Special heat-seal ink ribbons (p.12)

#### IDENTIFICATION & RFID-TECHNOLOGY

- ☐ RFID-Technology: HF & UHF (p.23-29)



## PERSONAL PROTECTIVE EQUIPMENT

#### LABELLING

- ☐ Care labelling: NT, PS, PT, Ecoflex (p.7-8)
- ☐ Woven labels (p.8)
- ☐ CT4000 (p.9)
- ☐ Strap tape, CT tape coloured (p.10)
- ☐ Name labelling (p.11)
- ☐ Special heat-seal ink ribbons (p.12)

#### TEXTILE FINISHING

- ☐ Ecoflex (p.8)
- ☐ Emblems (p.13-22)

#### IDENTIFICATION & RFID-TECHNOLOGY

- ☐ Barcodes (p.24)
- ☐ RFID-Technology: HF & UHF (p.23-29)
- ☐ UHF self-adhesive labels, paper hang tags (p.28-29)

PPE



PPE





## WORKWEAR

### LABELLING

- ☐ Care labelling: NT, PS, PT, Ecoflex (p.7-8)
- ☐ Woven labels (p.8)
- ☐ Name labelling (p.11)

### TEXTILE FINISHING

- ☐ Ecoflex (p.8)
- ☐ Emblems (p.13-22)

### IDENTIFICATION & RFID-TECHNOLOGY

- ☐ Barcodes (p.24)
- ☐ RFID-Technology: HF & UHF (p.23-29)
- ☐ paper hang tags (p.29)



## SPORTS & FASHION

### LABELLING

- ☐ Care labelling: NT, PS, PT, Ecoflex (p.7-8)
- ☐ Woven labels (p.8)

### TEXTILE FINISHING

- ☐ Ecoflex (p.8)
- ☐ Emblems (p.13-22)

### IDENTIFICATION & RFID-TECHNOLOGY

- ☐ UHF self-adhesive labels, paper hang tags (p.28-29)



## FOOTWEAR

### LABELLING

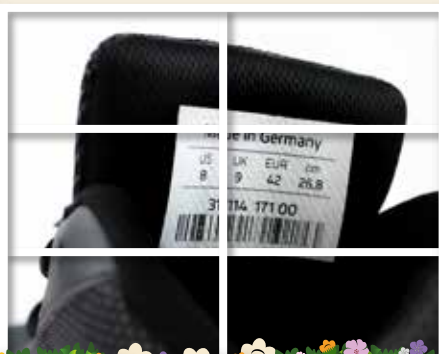
- ☐ NT (p.7)
- ☐ CT2009 (p.9)
- ☐ Strap tape (p.10)

### TEXTILE FINISHING

- ☐ Ecoflex (p.8)
- ☐ Emblems (p.13-22)

### IDENTIFICATION & RFID-TECHNOLOGY

- ☐ UHF self-adhesive labels (p.28)



# LABELLING

**T**extile labelling is a must in your workflow. From the care label to the name tag: The right combination of ink ribbon and material tape with the correct printer system determine the lifetime of your labelling. Therefore, rely directly on high-quality materials and machines for an optimal workflow. Your wallet will thank you for it in the long-term!

**THERMOTEX. The next Generation**

# CARE LABELLING

## MARKING TAPES AND INK RIBBONS FOR THE CLOTHING AND MANUFACTURING INDUSTRY

The perfect printing result, the highest degree of wash-resistance and resistance to abrasion – this is what the marking tapes and ink ribbons offer in combination with the appropriate printing system. The clothing manufacturing sector in particular places great demands on the labels used. **On request, we can also supply pre-printed care labels ready for sewing in!**

**OVERVIEW OF ALL  
COLOURS AVAILABLE ON  
REQUEST**

### POLYESTER SATIN TAPE (PS)

SOFT QUALITY

### NYLON TAFETTA TAPE (NT)

AVAILABLE IN  
VARIOUS QUALITIES

### POLYESTER TAFFETA TAPE (PT)

WASH-RESISTANT, FOR SEWING IN



- ❑ available in various qualities and colours
- ❑ tested for harmful substances pursuant to Oeko-Tex Standard 100

- ❑ thin, smooth surface
- ❑ NT01 + NT41P:  
tested for harmful substances pursuant to Oeko-Tex Standard 100
- ❑ NT08: available with coloured side stripes on request

- ❑ tapes for double-sided printing
- ❑ robust, smooth surface
- ❑ a high level of comfort
- ❑ PT01, PT03, PT09:  
tested for harmful substances pursuant to Oeko-Tex Standard 100



PS tape in polo shirt



Nylon taffeta type in welder apron



Coloured PS tape in the towel





## ECOFLEX

FOR PT-COMPACT 2



FOR HIGH VOLUMES

- ❑ for heat sealing
- ❑ fast and very high quality labelling of textiles
- ❑ individually designed motifs such as logos or care instructions
- ❑ multicolour, fine and freely-designed motifs possible
- ❑ transfer time approx. 2 seconds
- ❑ quality like FTC-Emblem



**Further use:** as textile finishing for sportswear



Care instructions and logo in polo shirt



Printed with the PT-Compact 2



Marking in underwear

## WOVEN LABELS



Our woven labels are extremely robust and are available in various qualities, e.g. in polyester, taffeta, satin, etc.

- ❑ for sewing on or heat sealing
- ❑ ready-cut or on rolls
- ❑ various dimensions, depending on application



Manufacturer's label in a T-shirt



Fashion label in the collar of a shirt

# CT-TAPE



## CT 2009

SOFT, ELASTIC

- ☐ suitable for mangling: no
- ☐ without weave
- ☐ thin
- ☐ resistant to industrial washing
- ☐ colour: pure white
- ☐ endless or die-cut: self-adhesive



## SLASHED LABELS FOR FOOTWEAR

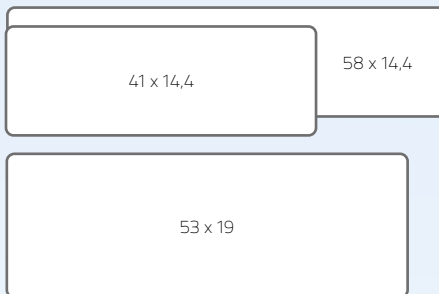


Care label in the shoe



**PRE-CUT FIXTEXX-DIMENSIONS** in mm

Roll length: 12,5m, 25m, 50m



**CONTINUOUS ROLLS** in widths:

20mm, 30mm, 40mm, 50mm, 60mm,  
80mm, 88mm (further widths on request)

O. Williams  
Room 206



Label tray with care labels



## CT 4000

FOR PPE CLOTHING

PPE

- ☐ flame-retardant
- ☐ very solid
- ☐ resistant to industrial washing
- ☐ colour: warm white
- ☐ roll length: 50m (continuous)



Flame-retardant labels in welder's gloves with manufacturer information



Labelling by wearer information



Labelling by barcode

### STRAP TAPE 5000 (GB)

MORE TEAR AND WEATHER  
RESISTANT

### STRAP TAPE 2006 (GB)

WEATHER AND  
ABRASION-RESISTANT

### CT TAPE (COLOURED)

MARKING TAPE



The strap tape 5000 impresses with its extreme tear and notch resistance. It is particularly suitable for climbing harnesses and fastening belts. Use the belt marking tape 5000 as a label or a loop, which you can print on 1 or 2 sides.

THERMOTEX strap tape is designed for the marking of lashing straps and belts. The durable and sturdy ribbon is very resistant to UV light, weathering and abrasion.

- ☐ very robust
- ☐ extremely industrial wash resistant
- ☐ suitable for mangling: no
- ☐ with specially coated surface
- ☐ for patching

Article	Colour
GB 5000	
GB 5001	
GB 5002	
GB 5003	
GB 5004	
GB 5005	



Webbing: labelling of a tensioning belt

Strap tape	CT tape	Colour
GB 2006	CT 2006	white
GB 2010	CT 2010	yellow
GB 2011	CT 2011	lightblue
GB 2012	CT 2012	orange
GB 2013	CT 2013	green
GB 2014	CT 2014	red
GB 2015	CT 2015	pink
GB 2016	CT 2016	mint
GB 2017	CT 2017	ochre
GB 2018	CT 2018	rose
GB 2019	CT 2019	black
GB 2021	CT 2021	dark red
GB 2022	CT 2022	neon yellow

Roll length 50 m



# NAME LABELLING

## TO PRINT YOURSELF



### CT 2026

NON-STRETCH, DURABLE

- ☐ suitable for mangling: no
- ☐ non-stretch, durable
- ☐ highly resistant to industrial washing
- ☐ colour: white



ALSO AVAILABLE AS A  
**SELF-ADHESIVE  
FIXTEXX 2026**



Name label in polo shirt



### CONTINUOUS ROLLS in widths:

40 mm, 50 mm, 60 mm, 80 mm, 88 mm, 100 mm  
(further widths on request)



### PRE-CUT DIMENSIONS Roll length 50m

Dimensions	Quantity labels	Article no.
80 x 38mm	approx. 1.310	CV2026-80X38
80 x 45mm	approx. 1.110	CV2026-80X45
82 x 25mm	approx. 2.000	CV2026-82X25
76 x 25mm	approx. 2.000	CV2026-76X25

## TO ORDER

### NAME EMBLEMS

DIFFERENT VARIETIES AND LOW  
ORDER QUANTITY POSSIBLE



Type	Colour	Attaching	Extras
<b>Pro name labels</b>	Single colour, black	for heat sealing	
<b>Tex name labels</b>	All colours printable	for heat sealing	produced in digital printing, suitable for industrial washing
<b>Tex low temperature name labels</b>	All colours printable	for heat sealing	heat-sealing temperature already from 130°C, not suitable for industrial washing
<b>Fixtexx name labels</b>	Single colour, black	for heat sealing	self-adhesive, also available with coloured edge
<b>Plotter name labels</b>	Variety of standard colours available	for heat sealing	specially suitable for cropped signatures
<b>Embroidered name labels</b>	Variety of colours available	for heat sealing / sewing	yarn colour according to colour chart
<b>Sublimation name labels</b>	Many colours available	for heat sealing / sewing	with or without embroidered edges
<b>FTC name labels</b>	available in 8 standard colours	for heat sealing	specially suitable for cropped signatures, flame retardant, suitable for industrial washing

## SPECIAL HEAT-SEAL INK RIBBONS

FOR PT-COMPACT 1 AND PT-COMPACT 2



- for fast, one-colour marking with cliché and heat-seal tape
- available as standard (TTHS) for cotton and blended fabrics
- washable print also suitable for the mangle
- ideal labelling solution for flat textiles, shoe soles, and so on

### WIDTHS:

25 mm, 30 mm, 40 mm, 50 mm, 75 mm, 95 mm and 100 mm (others on request)

### ROLL LENGTH:

40m each

	Colour	
201	white	
202	red	
203	orange	
204	yellow	
206	brown	
207	green	
208	dark blue	
209	mid-blue	
210	black	
211	grey	



Work gloves with labelling



Property labelling of flat laundry items



Printing with special heat seal ribbon

### CLICHÉ WITH ENGRAVING OR INSERTION STRIP FOR LETTERS



Size indication in underwear



Size information in T-shirt

# FINISHING

Countless finishing options such as professional, dirt, rain, promotional, sports or casual wear require countless types of emblems. This is exactly what you will find in the THERMOTEX range: high-quality emblems for every requirement. Our experts are happy to inform you about the standards met by our emblems! Since we, as a system provider, can support you with complete solutions, you will also receive graphic services, transfer presses or the full contract heat-sealing service. Give your clothes your corporate design!

**THERMOTEX. The next Generation**



# EMBLEMS

## EMBLEMS OVERVIEW



### EFFECT EMBLEMS (EE)

Reflective, fluorescent or both?  
A special highlight that gives your design that certain something.



### FTC EMBLEMS (FT)

Highly washable premium emblem for a wide range of applications. Also ideal for stretchy fabrics, such as workwear and leisure wear.



TO THE VIDEO



### MULTICOLOUR EMBLEMS (MC)

Emblem for printing images and colour gradients with exact colour reproduction.



### REFLECTIVE EMBLEMS FILM (RF)

Due to the direct printing on foil, full-surface motifs are possible with the Reflex-Emblem foil. Like the Reflex-Emblem plotters, the foil also convinces with its high reflection values.



### REFLECTIVE EMBLEMS PLOTTER (RP)

The silver reflective material is suitable for simple lettering and logos. The emblem has very high reflection values – ideal for clothing of rescue services, fire brigade, police and other protective clothing (PPE).



Does your emblem have to **withstand certain conditions**?  
You will find a list of **all standards met** by our emblems on **pages 21 & 22**

## TEXTILE FINISHING WITH EMBLEMS

THERMOTEX emblems stand for high-quality marking of workwear, protective clothing, rainwear, promotional clothing, sportswear and leisure clothing with your corporate design! No matter what your taste is or the area of application – THERMOTEX really spoils you for choice with its emblem portfolio.

There are 3 different types of emblems:

- ☐ **Transfer:** The motif is transferred directly to the textile (transferred).
- ☐ **Textile:** The emblems have a textile character and are completely heat-sealed onto the textile.
- ☐ **Reflex:** They are made of silver-reflective material and are characterised by excellent reflection values.



### TEX EMBLEMS (TE)

A sturdy and very durable textile label for all clothing areas. The high opacity ensures an excellent appearance.



### SUBLIMATION EMBLEMS (SB)

An emblem produced in the sublimation process achieves flawless print and colour quality even with very thin lines and elaborate motifs.



### LIGHT EMBLEMS (LE)



### COLOUR-CUT EMBLEMS (CC)



### EMBROIDERED EMBLEMS (S)



# EMBLEMS



ALSO AVAILABLE  
ON A ROLL  
(SEE PAGE 8 „ECOFLEX“)

## DYE-BLOCKING (DB)

- ☐ emblem to avoid that the textile dyes the emblems respectively for fabrics which stain during heat sealing such as softshell

## FTC EMBLEMS (FT)

PREMIUM-EMBLEM: AVAILABLE IN THREE VARIANTS - STANDARD, DYE BLOCKING, FLAME RETARDANT



### STANDARD

<b>Applications</b>	T shirts, sweatshirt, polo shirt, work wear, sport and leisure cloth, softshell
<b>Motifs</b>	cropped motifs possible (no colour gradients possible)
<b>Colour</b>	all colours according to Pantone C, HKS K, RAL colour chart
<b>Opacity</b>	high
<b>Removable</b>	no
<b>Carrier</b>	transparent film
<b>Printing technique</b>	screen printing

## FTC EMBLEMS FLAME RETARDANT (FH)

- ☐ workwear (heat protection)
- ☐ protective clothing (welder protection)
- ☐ safety clothing



EN ISO  
11612 : 2015

Only applies for flame retardant emblems

## EFFECT EMBLEMS (EE)

A GUARANTEED EYE-CATCHER!

<b>Application</b>	T shirts, sweatshirt, polo shirt, work wear, sport and leisure cloth, softshell
<b>Motifs</b>	cropped motifs possible (no colour gradients possible)
<b>Colour</b>	all colours according to Pantone C, HKS K, RAL colour chart
<b>Opacity</b>	high
<b>Removable</b>	no
<b>Carrier</b>	transparent film
<b>Printing technique</b>	screen printing



reflective



## REFLECTIVE

- ☐ reflective motifs
- ☐ not according to EN ISO 20471



## FLUORESCENT COLOURS

- ☐ day glow colours in red, orange, green and yellow
- ☐ strong illuminous effect in black light
- ☐ especially suitable for design effects

in black light





## MULTICOLOUR EMBLEMS (MC)

EMBLEM FOR THE EXACT RE-PRODUCTION OF PRINTED IMAGES AND COLOUR GRADIENTS



### Applications

T-shirts, sweatshirts, polo shirts, workwear, sport and leisure wear, labelling of textiles in general, for real colour gradient and images

### Motifs

cropped motifs possible

### Colour

all colours printable according to bitmap, also colour gradients or images

### Opacity

very high

### Removable

no

### Carrier

transparent film

### Printing technique

screen and digital printing

Available in three variants:

- ☐ Standard
- ☐ Dye-blocking: prevents sublimation of the dyes from the textile into the emblem
- ☐ Flame retardant: EN ISO 11612 : 2015



Only applies for flame retardant emblems



Gardener workwear

## SUBLIMATION EMBLEMS (SB)

PRICEWORTHY ALTERNATIVE TO THE STICK EMBLEMS, AVAILABLE WITH NAME IMPRINTED



### Application

workwear, rented workwear clothing, protective workwear, sport and leisure wear

### Colour

All colours printable according to Bitmap, also colour gradients or images

### Printing technique

sublimation printing

### Removable

yes, with a little adhesive residue

- ☐ outstanding quality of printing and colour
- ☐ highly hard-wearing
- ☐ 100% polyester

Available in 2 types:

- ☐ with embroidered edge for patching or sewing on
- ☐ without embroidered edge for patching on



Firefighter jacket with sublimation emblem

# EMBLEMS



Cap and life jacket of a shipyard

## TEX EMBLEMS (TE)

THIN, VERY ROBUST



<b>Application</b>	workwear, protective workwear clothing, leased laundry, T-shirts, sweatshirts, sport and leisure wear
<b>Motifs</b>	completely cropped motifs not possible
<b>Colour</b>	all colours as per Pantone C, HKS K, RAL colour chart, also colour gradient and pictures
<b>Opacity</b>	high
<b>Removable</b>	yes, with a little adhesive residue
<b>Printing technique</b>	digital printing

- ☐ thin textile label, nonstretchable, very robust
- ☐ very hard-wearing to mechanical influences
- ☐ available with name imprinted

Available in 3 variants:

- ☐ Standard (industrial wash resistance)
- ☐ low temperature: for delicate textiles, heat-sealing temperature as low as 130°C
  - not suitable for industrial washing
- ☐ low temperature with spot varnish: partial raised effect, for delicate textiles

## REFLECTIVE MATERIAL ON ROLLS



The reflective material on a roll convinces with its high reflection values. It is particularly suitable for safety clothing, but can also be used on sports and leisure wear. The reflective strips are available for both heat sealing and sewing.

- ☐ complies with EN ISO 20471
- ☐ standard width: 50 mm
- ☐ other widths on request
- ☐ roll length: 50 m

## REFLECTIVE EMBLEMS PLOTTER (RP)

FOR PROTECTIVE CLOTHING AND  
EXCELLENT REFLECTION VALUES AS  
PER EN 20471

Applications	especially for emergency services, fire brigade, police, workwear, safety workwear and other protective clothing
Motifs	cropped motifs possible (logos, motifs, lettering)
Colour	single colour: silver or yellow reflective
Opacity	very good
Carrier	transparent film

Available in 4 variants:

- ☐ silver reflective / Standard (RP)
- ☐ silver reflective / 3M 5807 (RP/3M)
- ☐ silver reflective / flame retardant (RP/FH)
- ☐ yellow reflective / flame retardant (RP/GE)



Safety vest with reflective emblem

## REFLECTIVE EMBLEMS FILM (RF)

PRINTED REFLEX FILM

Applications	workwear, protective clothing, sport and leisure wear, textile advertising
Motive	cropped motifs possible / fonts with a minimum stroke width of 3 mm possible
Colour	silver reflective base, colour printed in screen printing, no colour gradient possible, all colours as per Pantone U, HKS K, RAL colour chart
Opacity	very good
depatchable	no



plotted



# EMBLEMS



- ☐ very thin and elastic film
- ☐ fitted with an additional barrier against dye sublimation, optimal for softshell

## COLOUR-CUT EMBLEMS (CC)

FOR SMALL QUANTITIES AND VARIOUS COLOURS

- ☐ cropped motifs possible
- ☐ very high opacity
- ☐ long-lived and excellent colour brilliance
- ☐ all colours printable, also colour gradient and pictures
- ☐ digital printing
- ☐ extremely hard-wearing and resistant to mechanical action
- ☐ non removable



Left: front | Middle: back

## LIGHT EMBLEMS (LE)

PRICE-WORTHY ALTERNATIVE TO THE FTC EMBLEM · VERY HARD-WEARING

- ☐ cropped motifs possible (no colour gradient possible)
- ☐ high opacity
- ☐ single and multicolour print (many standard colours to Pantone C, HKS K or RAL)
- ☐ on carrier paper
- ☐ screen printing
- ☐ non removable



FOR SEWING  
AND  
FOR HEAT SEALING

## EMBROIDERED EMBLEMS (S)

COLOURFAST POLYESTER  
YARN EMBROIDERY






- ☐ excellent opacity
- ☐ colours according to embroidery thread colour chart
- ☐ removable (with minimal adhesive residue)
- ☐ raised, noble surface
- ☐ highly hard-wearing
- ☐ direct embroidery possible

# NORMATIVES

Here you will find a list of all standards met by our emblems.







Before using the textiles, we recommend that a risk analysis be carried out by a laboratory regarding the area of application and use in combination with an emblem or identification label.

We can arrange a corresponding offer for you.

NORMS	DIN EN ISO 11611	DIN EN ISO 11612	DIN EN ISO 14116	DIN EN 1149-T1-5	DIN IEC 61482-1-2
	Welding protection	Heat and flame retardancy	Protection against heat and flame, protection against flame	Electrostatic properties	Protective clothing against the thermal hazards of an electric arc
					
EMBLEMS	<p><b>FTC Emblems:</b> flame retardant (FH) / flame retardant + Dye Blocking (FH/DB)</p> <p><b>Multicolor Emblems:</b> flame retardant (MC/FH) / flame retardant + Dye Blocking (MC/FH/DB)</p> <p><b>Effect Emblems</b> flame retardant (FH)</p> <p><b>Reflex emblem plotter:</b> silver reflective / flame retardant (RP/FH) + yellow reflective / flame retardant (RP/GE)</p>	<p><b>FTC Emblems:</b> flame retardant (FH) / flame retardant + Dye Blocking (FH/DB)</p> <p><b>Multicolor Emblems:</b> flame retardant (MC/FH) / flame retardant + Dye Blocking (MC/FH/DB)</p> <p><b>Effect Emblems</b> flame retardant (FH)</p> <p><b>Reflex emblem plotter:</b> silver reflective / flame retardant (RP/FH) + yellow reflective / flame retardant (RP/GE)</p>	<p><b>FTC Emblems:</b> flame retardant (FH) / flame retardant + Dye Blocking (FH/DB)</p> <p><b>Multicolor-Emblem:</b> flame retardant (MC/FH) / flame retardant + Dye Blocking (MC/FH/DB)</p> <p><b>Effect Emblems</b> flame retardant (FH)</p> <p><b>Reflex emblem plotter:</b> silver reflective / flame retardant (RP/FH) + yellow reflective / flame retardant (RP/GE)</p>	All emblems	<p><b>FTC Emblems:</b> flame retardant (FH) / flame retardant + Dye Blocking (FH/DB)</p> <p><b>Multicolor-Emblem:</b> flame retardant (MC/FH) / flame retardant + Dye Blocking (MC/FH/DB)</p> <p><b>Effect Emblems</b> flame retardant (FH)</p> <p><b>Reflex emblem plotter:</b> silver reflective / flame retardant (RP/FH) + yellow reflective / flame retardant (RP/GE)</p>

# NORMATIVES

We would be delighted to provide you with support and advice when choosing emblems

DIN EN 61340-5-1	DIN EN 13034	DIN EN 510	DIN EN 342	DIN EN 343	DIN EN ISO 20471
Clothing for protection of electronic devices	Protective clothing against liquid chemicals	Specification for protective clothing for use where there is a risk of entanglement with moving parts	Protective clothing: Ensembles and garments for protection against cold	Weather-protective clothing	PSA high visibility safety norm
					
All emblems	All emblems	All emblems	<b>FTC Emblems:</b> Standard (FT) + Dye Blocking (DB) + flame retardant (FH)  <b>Multicolor Emblems:</b> all variants	All emblems and reflective material on rolls	<b>Reflex emblem plotter:</b> Standard (RP) + silver reflective  flame retardant (RP/FH) + yellow reflective  flame retardant (RP/GE) + 3M 5807 (RP/3M)  <b>Reflex emblem film (RF)</b>  <b>Reflective material on rolls</b>

# IDENTIFICATION & RFID-TECHNOLOGY

**O**rganisation, administration and cleaning. Sounds like a manageable amount of work at first. But those involved know what lies behind it in the field of textile management. In order to make organisation and administration as easy and safe as possible, THERMOTEX offers individual products as well as complete solutions in the field of identification.

You want more transparency in your laundry pile? With RFID technology, information about the items of laundry such as the owner, the laundry cycle or the service life can be retrieved in real-time. As a result, you manage the life cycle of a textile as effectively as possible!

**THERMOTEX. The next Generation**



# BARCODES

We also undertake  
**the management of the number  
ranges** for you

## BARCODE LABELS

As unique as a fingerprint: barcodes give textiles and other articles an identity. With their help, inventory, stock utilisation and, for example, also the lifecycle of an item of laundry can be tracked and controlled precisely.



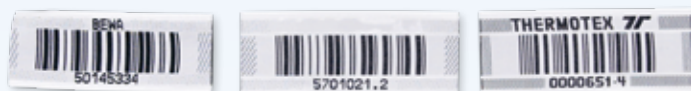
## PRINTED BARCODE LABELS AND DATA MATRIX CODE LABELS FOR HEAT SEALING

- ❑ 6, 8, 10 or 12 digits possible as standard (others on request)
- ❑ text lines can be integrated above or below the barcode
- ❑ available in various dimensions and sizes
- ❑ cut individually



Barcode label in hired occupational clothing

## SEW-ON WOVEN BARCODE LABELS



- ❑ additional text and logos can be integrated
- ❑ no changes after 100 wash cycles at 95°C in alkaline solution with a pH value of 10,5 – 11
- ❑ bleaching with all common bleaches and neutralisation in anorganic acids
- ❑ tunnel drying at 180°C
- ❑ chemical cleaning with organic solvents
- ❑ cut individually



Barcode label in safety vest

# RFID-TECHNOLOGY: HF

## TAGS: 11 and 16 MM IN ACCORDANCE WITH DIN ISO 15693

- ☐ for the fully automatic identification of textiles
- ☐ with a unique identification number („UID“)
- ☐ contactless reading
- ☐ reading: single, pile, bulk
- ☐ for patching (with patches) or for sewing in (also additional in woven pockets)
- ☐ suitable for mangling
- ☐ resistant to industrial washing



**HF I-TAGS  
Ø 11MM**

Art. no. 62236

<b>Application</b>	residents' laundry, workwear, flat linen
<b>Reading</b>	single, pile
<b>Thickness</b>	2.4 mm
<b>Reading distance</b>	up to 28cm
<b>Laser engraving</b>	no



**HF I-TAGS  
Ø 16MM**

Art. no. 64446

<b>Application</b>	workwear, mops / dusters, flat linen, bathrobes, towels etc.
<b>Reading</b>	single, pile, bulk, tunnel
<b>Thickness</b>	2.8mm
<b>Reading distance</b>	up to 42cm
<b>Laser engraving</b>	yes
	customer-specific logo possible

FOR THE HIGHEST  
MECHANICAL  
REQUIREMENTS



**HF I-TAGS  
Ø 16MM**

Art. no. 64445

<b>Application</b>	workwear, mops / dusters, flat linen, bathrobes, towels etc.
<b>Reading</b>	single, pile, bulk, tunnel
<b>Thickness</b>	2.8mm
<b>Reading distance</b>	up to 42cm
<b>Dimensions</b>	lenticular (rounded, soft edges)
<b>Laser engraving</b>	no



HF tag is positioned



Attached with heat-seal material (PA)



HF tag with heat-seal material (PA)

# WOVEN TAG POCKETS



<b>Variants</b>	plain or with woven-in logo, available with or without tag already inserted
<b>Tag</b>	max. 16 mm
<b>Material</b>	polyester
<b>Dimensions (W x H)</b>	24 x 40 mm (standard dimensions)

Other dimensions and variants on request
 

Art. no. 62218

# ADVANTAGES

RFID-TECHNOLOGY: HF

**Individual reading**  
 HF technology is particularly suitable for the individual reading and recording of personal data, such as the name of the wearer, the washing requirements or the number of previous washing cycles



**Allocation made easy**  
 The tags find their place in various textiles such as clothing, mops or flat laundry items. Equipped in this way, everything ends up where it belongs



**HF reader systems**  
 Plug-in reader systems: plug-in and get started. They ensure trouble-free laundry sorting: The innovative reading system, consisting of reader and antenna, ensures smooth laundry detection at the highest level



**HF tags, in two sizes:**  
 Small, medium or large: depending on the application, choose between 11 and 16 mm tags. Each size brings with it individual benefits, such as visibility or wearing comfort.



**Accessories**  
 Our accessories, e.g. tag attachments or patch dispensers, complement our HF tag technology





# RFID-TECHNOLOGY: UHF

## EMBROIDERED TAGS

The tags are made of tried and tested materials and are suitable for heat sealing or sewing in. They are available in various sizes and variants and are suitable for standard or wet washing. THERMOTEX programmes and manages the number ranges, thus providing the greatest possible security for your laundry processes.

## F10 TAGS

1.

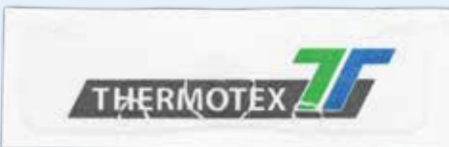


### UNPRINTED

plain, without optical recognition

Art. no. 67631

2.



### WITH LOGO

with multi-coloured, customer-specific logo to ensure laundry is marked as customer property

Art. no. 67632

3.

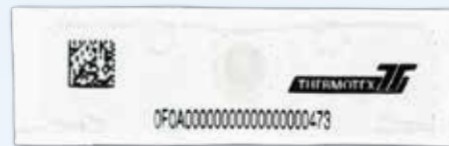


### WITH EPC-NUMBER

EPC number permanently visually readable. Data matrix code readable with every smartphone

Art. no. 67582

4.



### WITH LOGO AND EPC-NUMBER

EPC number permanently visually readable. Data matrix code readable with every smartphone. Customer-specific logo possible for marking of laundry as property of the customer

Art. no. 67966

## F10 TAGS ON ROLLS

- ☐ all F10 variants are available on roll
- ☐ to sew in with a sewing machine
- ☐ enables automated merging of tags and, for example, flat linen



<b>Dimensions</b>	58 x 18,5 mm / thickness: 0,5 mm, <2,5 mm in chip area
<b>Application</b>	reading of workwear, flat textiles and contract textiles e.g. in receipt and outgoing goods area, inventory of cupboards and rooms
<b>Reading</b>	bulk reading, e.g. in wire mesh carts
<b>Reading distance</b>	up to 6 m
<b>Use with</b>	UHF Box, Gate, Shelf, Fix Shelf, hand-held readers, Universal
<b>Fixation</b>	sewing in/heat sealing

# RFID-TECHNOLOGY: UHF

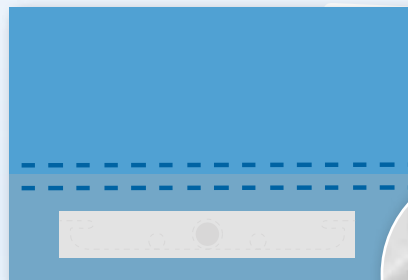
## F11 TAGS

FOR SEWING INTO THE SEAM



Art. no. 68108

- ☐ Dimensions: 70 x 11mm · thickness: 0,5mm, 2,5mm in chip area
- ☐ bulk reading, e.g. in wire mesh carts
- ☐ up to 6m reading distance
- ☐ for sewing into the seam of a textile item
- ☐ suitable for mangling and resistant to industrial washing



F11 tag sewn into the seam



## WOVEN TAG POCKETS

FOR F10 TAGS



ALSO AVAILABLE  
WITH CUSTOMISED  
WOVEN LOGO OR TEXT

- ☐ for sewing
- ☐ quality: taffeta
- ☐ tube woven, opening of 60 mm
- ☐ cut in hot condition
- ☐ pocket size: 35 x 80 mm



Art. no. 67992

## UHF SELF-ADHESIVE LABELS

- ☐ suitable for thermal transfer printing
- ☐ adhesive: permanently adhesive
- ☐ material: PET white, plain
- ☐ packaging: on rolls



Art. no. 66982



## ADVANTAGES

RFID-TECHNOLOGY: UHF

### UHF tags

The right tag size for every application. The UHF tags differ not only in their size, but above all by the various possibilities for printing, such as with the F10 tag

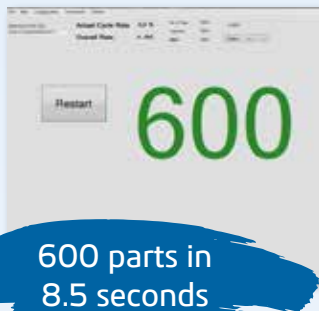
### Process simplification

Not only do you save time and money with our UHF systems. Integrated in your process, you benefit from error-free detection.



### UHF-BOX and GATE

They are ideal for integrating into existing conveyor systems. Reading whole packages, sacks or piles saves a lot of time



### Container and pile detection

UHF systems are particularly suitable for the detection of larger quantities. In less than 10 seconds, up to 600 parts can be detected at once.

### Accessories

We complete the tag equipment with our accessories.

## PAPER HANG TAGS



- ❑ available in different widths and lengths (custom made)
- ❑ material: paper or cardboard
- ❑ price and size in self-printing using thermal transfer printers (page 32)
- ❑ attachment: staple guns, directly on the textile or through the buttonhole



Hanging items with paper hang tags



Scanning of hanging items



# MACHINES FOR ...

**H**igh-quality machines are essential in textile management. With over 30 years of experience in this area, THERMOTEX has secured a position amongst the market leaders in the European market. Consistent quality management according to DIN ISO 9001 guarantees perfect professional machines for your company! In addition, the right machine can be found for every requirement in the wide product range. In the following chapter you will get a brief insight into the THERMOTEX machine world with the bestsellers.

**THERMOTEX. The Next Generation.**

# ... APPLICATION

MANUFACTURED IN ACCORDANCE  
WITH THE LATEST MACHINERY  
DIRECTIVE 2006/42/EC

## TRANS PRESS 20 WITH TWO WORKING PLATES

## P4 FOR VOLUMINOUS TEXTILES

## PT COMPACT 2 SPECIALLY DESIGNED FOR THE USE OF ECOFLEX EMBLEMS OR TRANSFERS ON ROLLS

OPTIONAL: LASER UNIT



- ❑ greatest handling convenience due to an easy running, swivelling heat plate
- ❑ extra working clearance
- ❑ integrated two-hand control for highest safety
- ❑ for large volumes
- ❑ 230V, 50Hz, 2,000W

- ❑ oversized opening angle for maximum freedom of movement for the user
- ❑ large colour touchscreen with self-explanatory symbols
- ❑ foot switch operation
- ❑ 230V, 50Hz, 750W

- ❑ equipped with a sensor for automatic recognition of materials in sensor mode
- ❑ compact, stable
- ❑ easy to operate
- ❑ 230V, 50Hz, 550W

Width	958 mm (with lower plates)
Height	712 mm
Depth	885 mm
Space required	770 x 700 mm
Weight	110 kg
Upper plate	480 x 380 mm

Art. no. 24130

Width	200 mm
Depth	540 mm
Height	320 mm (closed)
Height	490 mm (open)
Weight	22 kg
Upper plate	150 x 115 mm
Operating pressure	4 - 5 bar

Art. no. 21900

Length	500 mm
Width	700 mm (without discs)
Width	900 mm (with discs)
Height	600 mm (with discs)
Heat plate	125 x 95 mm
Weight	approx. 35 kg
Operating pressure	3 - 8 bar

Art. no. 17000

# ... PRINTING

## TT4-CXQ

TWO-TONE PRINTING · LEFT GUIDED



\* The illustrated system shows the printer with cutting device and stacker unit.

The thermal transfer printer TT4-CXQ enables the simultaneous printing of two different colors on a single-sided label with two printing units lying one behind the other.

- ❑ large, user-friendly colour touchscreen
- ❑ interfaces: serial, USB, Ethernet 10/100Mbit
- ❑ sensor for translucent and reflective media
- ❑ resolution: 300dpi
- ❑ possible label width: 25-110mm

TT4-CXQ left-aligned

TT4-CXQ with cutting device standard

TT4-CXQ with high-performance cutting & stacking unit

Art. no. 24305

Art. no. 24271

Art. no. 24272

## TT4-DCQ

DOUBLE SIDED PRINTING · CENTRAL



\* The illustrated system shows the printer with cutting device and stacker unit.

Your professional printer with 2 printing units and centered textile tape guidance for double-sided printing of labels. With its high working speed and optional equipments, the TT4-DCQ is ideal for care labels, for example.

- ❑ large, user-friendly colour touchscreen
- ❑ interfaces: serial, USB, Ethernet 10/100Mbit
- ❑ sensor for translucent and reflective media
- ❑ resolution: 300dpi
- ❑ possible label width: 20-110mm
- with cutter and stacker unit : max. 70mm

TT4-DCQ centered

TT4-DCQ with cutting device standard

TT4-DCQ with high-performance cutting & stacking unit

Art. no. 24304

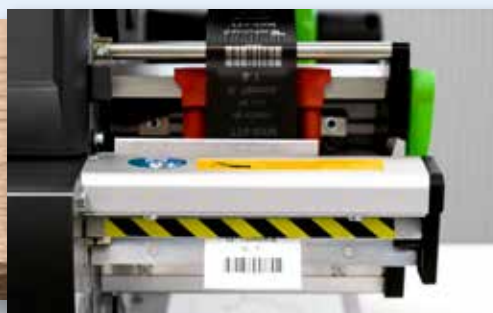
Art. no. 24269

Art. no. 24270



## TT4-SXT

COLOUR TOUCHSCREEN,  
INTEGRATED WLAN UNIT



\* The illustrated system shows the printer with cutting device and stacker unit.

Even faster – even more intuitive!

The new profitable TT4-SXT (centered) is simple to operate with its colour touchscreen. Thanks to WLAN you can even use this industry-compatible, high-performance printer wirelessly.

- ❑ high-performance thermal transfer printer with special heating strip and 300 dpi resolution
- ❑ large colour touchscreen with self-explanatory symbols for intuitive operation
- ❑ internal fonts, barcodes and tutorial videos available

- ❑ 32bit processor with 800 MHz clock speed and a 256 MB memory
- ❑ interfaces: slot for SD memory cards, USB host interfaces, USB 2.0, Ethernet 10/100 Base-T, RS232 C interfaces
- ❑ USB port for keyboard and scanner
- ❑ sensor for light-permeable media and reflective sensor
- ❑ particularly suitable for labels for work clothes

TT4-SX

TT4-SXM centered

TT4-SXT centered,  
with traction platen

Art. no. 21683

Art. no. 21728

Art. no. 21738

All versions are with cutting device.

# CERTIFICATES

Quality is top priority at THERMOTEX! In order to provide our customers and resellers with a solid foundation, certifications are an indispensable part of our company. They guarantee tested quality and verifiable safety.

## ISO 9001:2015

Through consistent quality management according to DIN EN ISO 9001: 2015, THERMOTEX continues to develop in **a continuous improvement process**. The goal is to increase quality, optimise processes and avoid risks. Clearly defined corporate goals with measurable key figures serve as orientation and optimisation.



## REACH CONFORMITY

THERMOTEX attaches great importance to the protection of the environment and mankind. Therefore, we act according to the **EU Regulation 1907/2006 (REACH-VO)** of 18 December 2006 as a downstream user (producer of products). According to information from our suppliers of raw materials, there are **no substances in the materials we use from the current Candidate List (SVHC list)** at a concentration greater than 0.1% by mass.

## OEKO-TEX CERTIFICATE

The OEKO-TEX certificate is a globally recognised testing and certification system for textile products. Based on defined test criteria and limits, we test textiles with regard to **safety and constituents**.

We certify emblems and materials with OEKO-TEX to make sure there is high and effective product safety.



## WASHING TESTS ACCORDING TO DIN EN ISO 15797

With the help of an **independent testing laboratory**, THERMOTEX regularly has the DyeBlocking emblems and Multicolor Standard emblems tested for their **washing resistance**.

This allows us to guarantee you **hard-wearing emblems in high quality**.





## OUR SALES REPRESENTATIVE TEAM

EXPERTISE RIGHT WHERE YOU NEED IT



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contact partner yet?**


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A child is sitting inside a cardboard box, which is placed on a wooden surface. The child is wearing a blue t-shirt, a blue cape, and brown goggles. The child's right hand is raised to their forehead. The box is decorated with several travel-themed stickers, including one for Moscow, one for New York, and one for Japan. The background is a vast, scenic view of rolling green mountains under a blue sky with wispy clouds. A dashed white line outlines the child and the box.

**We're looking forward  
to your call!**

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