

EMBLEMS AND TRANSFER PRESSES



THERMOTEX 
MARKING THE FUTURE

Marking, Identification & Finishing



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A MATTER OF PERFECTION

From idea to implementation:
emblems in top form

Whether logo, lettering or image motif: an emblem is more than just a patch — it is a visible commitment to the brand, a guarantee of safety and a carrier of functional information. To ensure everything fits perfectly, comprehensive expertise is required — and this is precisely where our standards at THERMOTEX begin. Already at the design stage, our emblem specialists are at your side: from defining the right colors to selecting the optimal emblem type. With many years of experience, precise technology and a deep understanding of textile applications, we realize sophisticated solutions that withstand even the toughest everyday demands.

Textile expertise

At its Schutterwald site, THERMOTEX produces on state-of-the-art equipment with a strong focus on quality — from screen and digital printing to sublimation and finishing. Our emblem service covers the entire spectrum: for leisurewear, workwear and protective clothing, for rental textiles or special types of fabric. The result is durable emblems with clear color definition, excellent wash resistance and a wide range of functions — from flame-retardant to reflective to highly elastic.

A team with high standards

Manager Sandra Hummel and her team combine textile expertise with a pronounced sense of perfection. Together with graphics, engineering and quality management, we create solutions that convince down to the smallest detail. Our transfer presses provide the perfect finish — tailored to emblem, textile and requirement. For everyone who wants to realize textile brand communication at the highest level.



Sandra Hummel in dialogue with graphic designer Jens Vetter: the emblem service at Thermotex starts right with the design — and of course also requires the right color mix.



From the screen to the screen printing frame: at Thermotex, everything comes from a single source.

„OUR MAIN TASKS INCLUDE CONSULTING,
SALES AND THE PRODUCTION OF A WIDE
VARIETY OF EMBLEMS.“





Most popular emblems in the transfer process.
You can find all emblems on our website.

FTC EMBLEMS (FT)

Premium emblem — available in 3 versions

- **Standard (FT)**
 - Emblem for non-sublimating textiles
- **Dye-Blocking Emblems (DB)**
 - Prevents dye migration from the textile into the emblem
 - Ideal for fabrics that release dye during heat-sealing (e.g., softshell)
- **FTC Flame-Retardant Emblems (FH)**
 - For protective workwear (heat protection)
 - Safety clothing
 - Protective garments (e.g., for welding)



Gilt nur für flammhemmende Embleme

Areas of application	Workwear, polo shirts, softshell, sports and leisurewear, sweatshirts, T-shirts
Motifs	Freestanding motifs possible (no colour gradients)
Colour	All colours available according to Pantone C, HKS K, RAL
Coverage	High
Heat-seal temperature	130° - 180°C
Wash resistance	Suitable for industrial laundering (depending on heat-sealing temperature)
Removable	No
Carrier	Transparent Film
Printing method	Screen printing

FTC SPECIAL COLOURS



Back side of the emblems

Standard

Dye-blocking

OUR EMBLEMS ARE A PROMISE

THERMOTEX emblems stand for high-quality marking of workwear, protective clothing, rainwear, promotional clothing, sportswear and leisurewear in your corporate design! No matter the taste or field of application — THERMOTEX offers you the full range of choice in its emblem portfolio.

TRANSFER AQUAFLEX (AF)

Digitally produced, eco-friendly emblem made with water-based components and extremely stretchable

- **Standard (AF)**
 - Emblem for non-sublimating textiles
 - Heat-sealing temperature 130 - 160°C
- **Dye-Blocking (AF DB)**
 - Prevents sublimation effects in fabrics that release dye during heat-sealing, e.g., polyester fabrics
 - Heat-sealing temperature 130 - 160°C
- **Flame-Retardant (AF FH, AF DB FH)**
 - Ideal for heat- and welding-protection garments
- **PU (AF PU)***
 - For textiles with polyurethane coatings
 - Very low heat-sealing temperature (from 90°C - 120°C)

* PU is excluded from the application areas listed in the table.

Areas of application	Swimwear, workwear, sports and (outdoor) leisurewear, promotional items, and many other special fabric types
Motifs	Freestanding and multicoloured motifs possible
Colour	Images, colour gradients, all colours available according to Pantone C and HKS K
Coverage	High
Wash resistance	Up to 60°
Carrier	Transparent Film
Printing method	Combination of screen and digital printing



Emblems using the Transfer Process

With this method, the design is transferred directly onto the textile. These emblems are usually produced with a transparent background (freestanding), but versions with a coloured background are also possible.

EFFECT EMBLEMS (EE)

Areas of application	Workwear, polo shirts, softshell, sportswear and leisurewear, sweatshirts, T-shirts
Motifs	Freestanding shapes possible
Opacity	High
Heat-seal temperature	130° - 180°C
Removable	No
Wash resistance	Fluorescent: suitable for industrial washing (depending on the heat-seal temperature) Reflective: up to 60 °C" Combined: suitable for industrial washing (depending on the heat-seal temperature)
Carrier	Transparent film
Printing process	Screen printing



FLUORESCENT

- ▶ Daylight fluorescent colours in red, orange, green and yellow
- ▶ Strong luminous effect under black light
- ▶ Particularly suitable for design effects



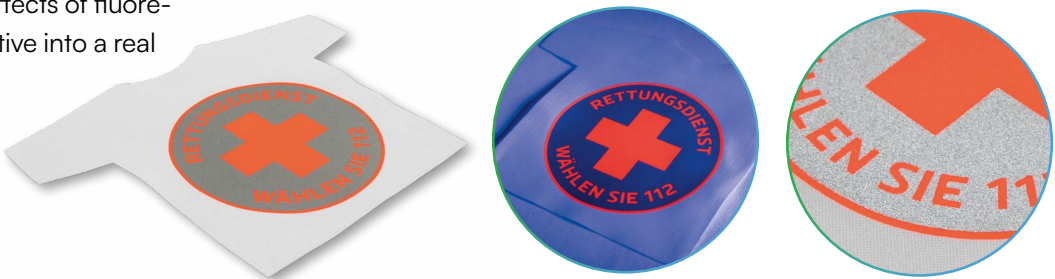
REFLECTIVE

- ▶ Surface completely reflective
- ▶ Not according to EN ISO 20471



COMBINED

- ▶ Combines the effects of fluorescent and reflective into a real eye-catcher



MULTICOLOUR EMBLEMS (MC)

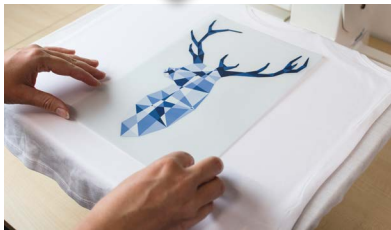
Images and gradients with exact colour reproduction

- ▶ Available in 3 versions
 - Standard (MC)
 - Dye-blocking (MC DB)
 - Flame-retardant (MC FH, MC FH DB)



Applies only to flame-retardant emblems

Areas of application	Workwear, polo shirts, sportswear and leisurewear, sweatshirts, T-shirts, for true colour gradients and images
Motifs	Freestanding shapes possible
Colour	Images, colour gradients, all colours according to Pantone C, HKS K
Opacity	Very high
Heat-seal temperature	130° - 180°C
Removable	No
Wash resistance	Suitable for industrial washing (depending on the heat-seal temperature)
Carrier	Transparent film
Printing process	Combination of screen and digital printing



Back side of the emblems

Standard



Dye-blocking



DTF TRANSFER PREMIUM (DF)

Premium solution in the DTF printing process — intense colours, very good elasticity



- ▶ Cotton, cotton blends, polyester, nylon, softshell
- ▶ Printing sheets in DIN A4, DIN A3 or by the metre / half metre
- ▶ Excellent elasticity

Also suitable for dark textiles



Areas of application	Swimwear, workwear, sportswear / leisurewear, promotional items, many other special types of fabric
Motifs	Freestanding shapes possible
Colour	Images, colour gradients, all colours according to Pantone C, HKS K
Opacity	Good
Heat-seal temperature	135° - 160°C
Removable	No
Wash resistance	Up to 60°C
Carrier	Transparent film
Printing process	Digital printing

PLOTTER TRANSFER (PO)

Consisting of a soft, thin and highly opaque PU film. Particularly suitable for textile finishing of workwear as well as leisurewear.

- ▶ For freestanding lettering and logos
- ▶ Transparent carrier film for optimal positioning on the textile
- ▶ Minimum order quantity: 10 pieces per motif



Good to know:

Our plotter film is vegan!

Areas of application	Workwear, polo shirts, protective clothing, sportswear and leisurewear, sweatshirts, T-shirts
Motifs	Freestanding motifs possible (no colour gradients possible)
Colour	37 colour variants
Opacity	High
Heat-seal temperature	Patchable from 130°C
Removable	No
Wash resistance	Up to 60°C
Carrier	Transparent film



COLOR-CUT EMBLEMS (CC)

Multicolour printing for small quantities — optimally applicable on softshell.

- ▶ Durable, very good colour brilliance
- ▶ Highly durable against mechanical impact
- ▶ Very thin, slightly stretchable film
- ▶ With additional protection against colour sublimation, optimal for softshell

Areas of application	Workwear, sportswear and leisurewear, sweatshirts, general textile marking, T-shirts
Motifs	Freestanding shapes possible
Colour	All colours printable according to bitmap, including colour gradients or images
Opacity	Very high
Heat-seal temperature	130 - 160°C
Removable	No
Wash resistance	Up to 60°C
Carrier	Transparent, adhesive film for better positioning
Printing process	Digital printing



Left: front side
Right: back side



LIGHT EMBLEMS (LE)

A cost-effective alternative to the FTC emblem and very durable

Areas of application	Workwear, protective clothing, sportswear and leisurewear, sweatshirts, general textile marking, T-shirts
Motifs	Freestanding motifs possible (no colour gradients possible)
Colour	Single- and multicolour printing, standard colours according to Pantone C, HKS K or RAL
Opacity	High
Heat-seal temperature	180°C
Removable	No
Wash resistance	Suitable for industrial washing
Carrier	Paper
Printing process	Screen printing

TEX EMBLEMS (TE)

Textile appearance as digital emblems and very robust

Available in 3 versions:

- ▶ Standard (industrial wash resistance)
- ▶ Low temperature: for sensitive textiles, heat-seal temperature from as low as 130 °C — not suitable for industrial washing
- ▶ Low temperature with spot varnish: partial raised effect

Properties:

- ▶ Thin textile label, non-stretchable, very robust
- ▶ Highly durable against mechanical impact
- ▶ Available with name imprint
- ▶ For sensitive textiles



Areas of application	Protective workwear, workwear, rental textiles, sportswear and leisurewear, sweatshirts, T-shirts
Motifs	No completely freestanding motifs possible
Colour	All colours according to Pantone C, HKS K, RAL, including colour gradients or images
Opacity	High
Heat-seal temperature	Standard 204°C NT + NT Spot 130 - 160°C
Removable	Yes, with little adhesive residue
Wash resistance	Standard suitable for industrial washing NT + NT Spot up to 60 °C
Printing process	Digital printing



Emblems with textile surface

The emblems have a textile character and are fully heat-sealed onto the textile.



Easy processing



Our specialists will be happy to advise you on which emblems are suitable for your textiles!
Contact emblem centre: grafik@thermo-tex.de

DIGITAL EMBLEMS (DI)

Suitable for both small and large quantities,
available with name imprint

Available in 4 versions:

- ▶ CT 2009 — very thin, slightly stretchable textile label, also very suitable for T-shirts, sweatshirts, etc., cannot be removed again; OEKO-Tex® Standard
- ▶ CT 2026 — thin textile label, non-stretchable, very robust
- ▶ Fixtexx — like CT 2026 with additional adhesive for fixation
- ▶ CT 4000 — very robust textile label, flame-retardant, suitable for PPE clothing, no OEKO-Tex® certificate

Areas of application	Protective workwear, workwear, rental textiles, sportswear and leisurewear, sweatshirts, T-shirts
Motifs	No completely freestanding motifs possible
Colour	All colours printable according to bitmap, including colour gradients or images
Opacity	Very high
Heat-seal temperature	CT 2009 150—180 °C, all others 204 °C
Removable	Yes, qualities CT 2026 and Fixtexx (with adhesive residue)
Wash resistance	Suitable for industrial washing (depending on heat-seal parameters)
Printing process	Digital printing



BRILLANT EMBLEMS (B)

Textile surface made of blended fabric

Properties

- Brilliant print colours
- Suitable for industrial ironer
- Available as self-adhesive version

Areas of application	Protective workwear, workwear, rental textiles
Colour	Single- and multicolour printing; printing of colour gradients (halftone printing) possible, standard colours according to Pantone U, HKS N and RAL colour chart
Opacity	Very high
Heat-seal temperature	204° C
Removable	Yes, with little adhesive residue
Wash resistance	Suitable for industrial washing
Printing process	Screen printing



SUBLIMATION EMBLEMS (SB)

Cost-effective alternative to the embroidery emblem,
available with name imprint

- Available in 2 versions
- With embroidered border for heat-sealing or sewing on
 - Without embroidered border for heat-sealing
(excellent print and colour quality, particularly durable,
100% polyester)

Areas of application	Protective workwear, workwear, rental workwear, sportswear and leisurewear
Motifs	No completely freestanding motifs possible
Colour	All colours printable according to bitmap, including colour gradients or images
Opacity	High
Heat-seal temperature	204°C
Removable	Yes, with adhesive residue
Wash resistance	Industrial washing up to 85 °C
Printing process	Sublimation printing



Without embroidered border With embroidered border



EMBROIDERED EMBLEMS (S)

Made of colourfast recycled polyester yarn

- Properties:
- Raised, elegant surface
 - For heat-sealing or sewing on
 - Particularly durable
 - Possible as direct embroidery
 - Possible with Nomex yarn (for protective and flame-retardant clothing)
 - PET yarn made of recycled polyester



Areas of application	Protective workwear, workwear, rental workwear, sportswear and leisurewear
Colours	Colour according to embroidery yarn colour chart
Opacity	Excellent
Heat-seal temperature	204°C
Removable	Yes, with little adhesive residue
Wash resistance	Suitable for industrial washing



REFLEX EMBLEM PLOTTER (RP)

For protective clothing and optimum reflection values according to EN ISO 20471

- Available in 5 versions
- Silver reflective / standard (RP)
 - Silver reflective / 3M 5807 (RP/3M)
 - Silver reflective / flame-retardant (RP/FH)
 - Silver reflective / industrial washing (RP/IW)
 - Yellow reflective / flame-retardant (RP/GE)

Areas of application	Protective workwear and other protective clothing, workwear, fire brigade, police, especially for rescue services
Motifs	Freestanding shapes possible (logos, motifs, lettering)
Colour	Single-colour: silver or yellow reflective
Opacity	Very good
Heat-seal temperature	140°C - 165°C (depending on the version)
Removable	No
Wash resistance	Industrial washing up to 60 °C Industrial washing up to 75 °C (version RP/IW)
Printing process	Transparent film



REFLEX EMBLEM FILM (RF)

Reflective logos for maximum visibility —
without compromises in corporate design

Areas of application	Workwear, protective clothing, sportswear and leisurewear, textile promotional items
Motifs	Freestanding motifs possible / lettering with a minimum line thickness of 3 mm possible
Colour	Silver = silver reflective according to DIN ISO 20471, printable in screen printing single- or multicolour, no colour gradients possible
Opacity	Very high
Heat-seal temperature	140°C - 150°C
Removable	No
Wash resistance	Up to 60°C
Printing process	Screen printing, plotted



Does your emblem need to withstand certain conditions? Here you will find a list of all standards that our emblems comply with!

CHEST PENDANT & ASSOCIATION BADGE

For club crests, city crests or state crests

- Components:
 - Chest pendant and sublimation emblem with embroidered border
- Format chest pendant:
 - Standard: 7 cm x 13 cm (B x H)
- Format sublimation emblem:
 - Standard: 7 cm x 9 cm (B x H)
- Further formats on request

With our chest pendants or association badges, you receive your crest in top quality on a shield-like backing. Attach your badge to the button of the breast pocket of your uniform.



Optimal look
Sublimation emblem with embroidered border

NAME EMBLEMS

Different versions and small quantities possible



Version	Printing	Application	Extra
Professional name labels	Single-colour black	For heat-sealing	—
Tex name labels	All colours printable	For heat-sealing	Suitable for industrial washing
Tex low-temperature name labels	All colours printable	For heat-sealing	Patchable from 130 °C, not suitable for industrial washing
Fixtexx name labels	Single-colour black	For heat-sealing	Self-adhesive, also available with coloured border
Plotter name labels	Various standard colours	For heat-sealing	Especially suitable for freestanding name lettering
Embroidered name labels	Various colours available	For heat-sealing / sewing on	Yarn colour according to colour chart
Sublimation name labels	All colours possible	For heat-sealing / sewing on	With or without embroidered border
FTC name labels	In 8 standard colours	For heat-sealing	Especially suitable for freestanding name lettering and industrial washing, flame-retardant

COUNT ON US!

In our emblem range, you will find the right emblem for every requirement!

We will be happy to advise you in selecting your emblem!



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TRANS PRESS 20

With two stations

Connection	230 V, 50 Hz, 2,000 W
Dimensions (W x H x D)	958 mm (with lower plates) x 712 mm x 885 mm
Installation space	770 mm x 700 mm
Upper plate	480 mm x 380 mm
Weight	110 kg

Item no. 24130



Optional with laser unit for precise alignment



Your Benefits:

- ▶ Maximum operating comfort thanks to a smooth, swivelling heating head
- ▶ Plenty of working space with 60 mm stroke of the heating plate
- ▶ Modern touch display for quick and user-friendly operation
- ▶ Integrated two-hand safety control for secure handling
- ▶ Infinitely adjustable pressure and exceptionally even heat distribution
- ▶ Tool-free exchange of lower plates — quick and convenient
- ▶ Built-in safety mechanisms: electronic patch release and automatic fault detection ensure greater safety and prevent faulty heat-sealing
- ▶ Easy replacement of the Teflon cover on the heating plate (Teflon mounted externally for faster changes)



Whether small or large — always a high-quality result

TRANS PRESS 21

With one station

Connection	230 V, 50 Hz, 2,000 W
Dimensions (W x H x D)	774 mm x 712 mm x 835 mm
Installation space	770 mm x 700 mm
Upper plate	480 mm x 380 mm
Weight	105 kg

Item no. 24135



TRANS PRESS 1-S / 2-S

Large work surface in landscape or portrait orientation

- ▶ Large work surface in landscape or portrait orientation
- ▶ Ideal for transfer printing and large-format textiles
- ▶ Also available with automatic opening mechanism - Trans Press 2-S

Connection	230 V, 50 Hz, 2,000 W
Dimensions (W x H x D)	512 mm x 880 mm (opened) x 830 mm
Installation space	600 mm x 600 mm
Upper plate	480 mm x 380 mm
Weight	47 kg



Trans Press 1-S
Lengthwise patch area
Crosswise patch area



Trans Press 2-S (with automatic opening mechanism)
Lengthwise patch area
Crosswise patch area



Can be equipped with different lower plates



Even the most challenging areas can be heat-sealed with ease



A high-quality result — even at low temperatures



The emblem can be easily applied to workwear

Trans Press 2-S with automatic opening mechanism

CAP PRESS

Specifically designed for printing on hats and caps

- ▶ Modern and high-quality transfer press
- ▶ Automatic opening
- ▶ Compact and easy to handle — ready to use anywhere
- ▶ Wide opening angle provides plenty of working space
- ▶ Special locking mechanism keeps the cap in shape during the heat-sealing process



Connection	230 V, 310 W
Dimensions (W x H x L)	180 mm x 650 mm x 420 mm
Pressing area	160 mm x 80 mm
Weight	15 kg

Item no. 24049

LOWER PLATE ACCESSORIES

Lower plate with silicone/Nomex (1)

Transfer presses	Item no.	Size in mm
1-S	15290	150 x 150
2-S	15311	380 x 180
20	20016	380 x 300
21	19961	480 x 380



Silicone pad (2)

Transfer presses	Item no.	Size in mm
1-S	10335	150 x 150
2-S	15336	380 x 180
20	20018	380 x 300
21	20017	480 x 380



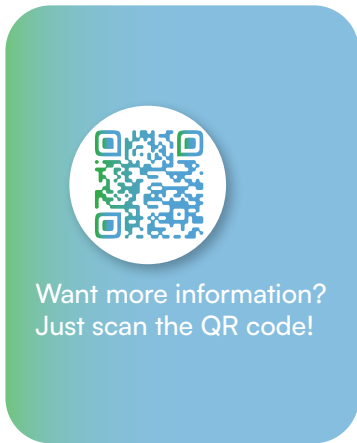
Teflon (3)

Transfer presses	Item no.	Size in mm
1-S, 2-S, 20, 21	19496	490 x 463



Nomex cover (4)

Transfer presses	Item no.	Size in mm
1-S	15171	150 x 150
2-S	12476	380 x 180
20	13450	500 x 400
21		



LASER UNIT

Trans Press 1-S / 2-S

- ▶ Can be used on both sides

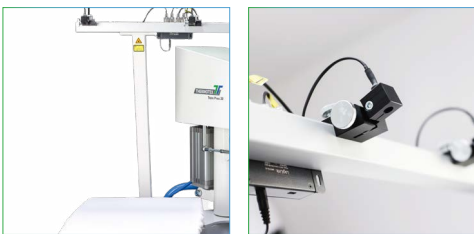


Item no. 20268

LASER UNIT

Trans Press 20 / 21

- ▶ Up to 4 laser modules can be mounted



Laser mount for Trans Press 20 Item no. 24156

Laser mount for Trans Press 21 Item no. 24157

Laser mount for Trans Press 20/21 Item no. 24158

TEFLON PLATE



- ▶ Suitable for compensating seams

Size 150 x 150 mm Item no. 18619

Size 200 x 300 mm Item no. 18616

Size 160 x 80 mm Item no. 18877

LOWER PLATE T-FORM



- ▶ Special lower plate for sleeves
- ▶ Pulled on from both sides — e.g., two polo shirts simultaneously
- ▶ Size: 120 x 450 mm

Item no. 20408

PULL-ON AND POSITIONING AID

- ▶ Can be positioned lengthwise or crosswise
- ▶ Lateral scale markings included



Item no. 20431

- ▶ Pull-on device for shoes



Item no. 24637

Your worry-free package

OUR SERVICES IN TEXTILE FINISHING

So you don't have to worry about a thing: You place the order — we handle the heat-sealing, reliably and professionally!

On request:

- ▶ Heat-sealing of emblems
- ▶ Direct embroidery
- ▶ Use of customer-provided textiles or garments from our own textile portfolio

