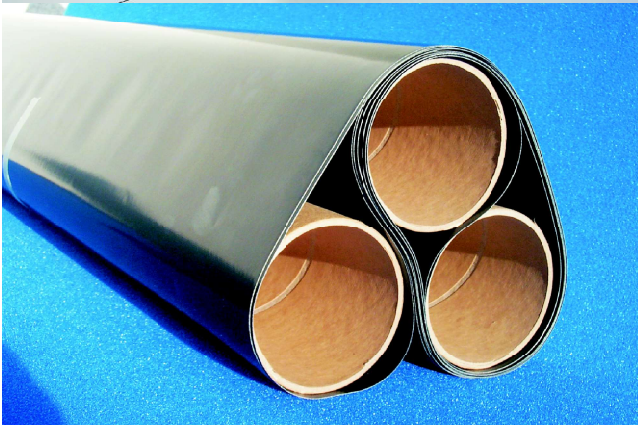
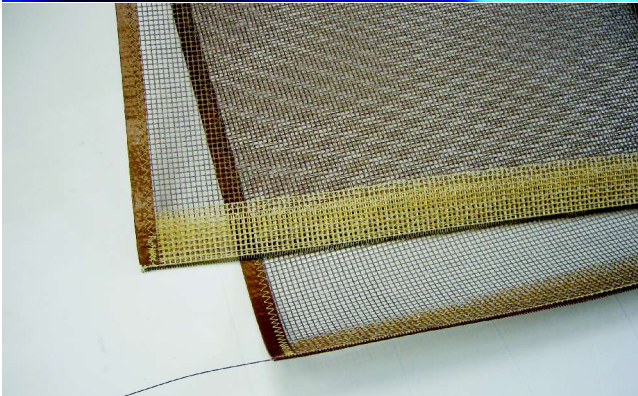
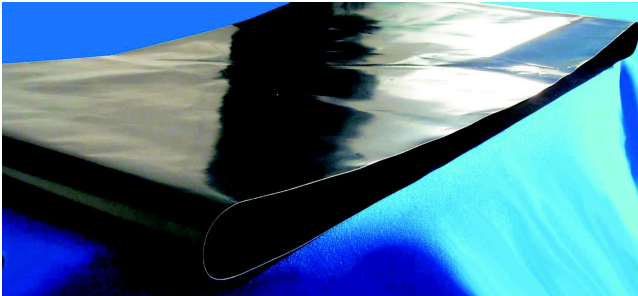


# VOMATEX GERMANY



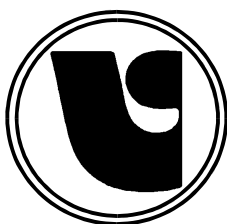
**PTFE coated fabrics**

**Transport belts**

**Drying belts**

**Conveyor belts**

**Accessories**



[www.vomatex.de](http://www.vomatex.de)  
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## VOMATEX

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Telefon +49 (0) 421 / 55 23 74  
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# PTFE coated fabrics

The physical properties of PTFE (Polytetrafluorethylene) combine good heat resistance and excellent glue repellence:

- PTFE is not affected by temperatures between -190°C up to +260°C, for short times up to +300°C.
- It does not burn at any case
- Resistant towards almost any chemicals
- Antiadhesive surface, nothing sticks on it
- Less friction than other materials
- Almost no water absorption
- Black quality is antistatic due to Carbon treatment
- Little thermic extension

In order to increase the tension stability the PTFE is usually coated on a carrier fabric for example on glass fabric or Kevlar® fabric. Our qualities were especially developed and tested for use as endless transport belts in fusing machines.

In this catalogue you will find information about our range of PTFE products and materials for processing and cleaning it.

VOMATEX offers raw PTFE coated fabrics as well as completely welded endless belts and precut open belts which have to be welded in the fusing machine.

The PTFE products are usually impermeable but VOMATEX offers some permeable PTFE coated glass fabrics for special purposes like patterns for ironing pockets. Moreover we have a range of self adhesive PTFE coated glass fabric for sticking it to fusing presses, thermoprinting presses or to feet of sewing machines.

If you require a more flexible material please ask for our silicone coated fabrics.

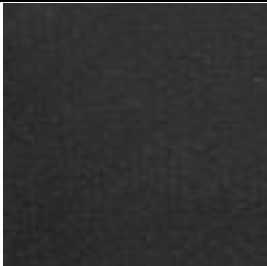
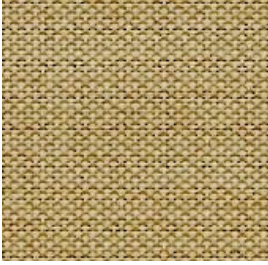
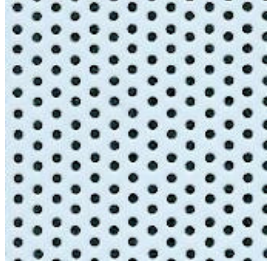
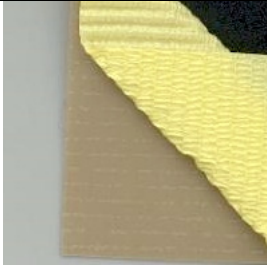
In order to measure the working temperature in your machines we advise our temperature control paper stripes.



## VOMATEX

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|                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                    |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>PTFE Glasgewebe</b><br/>braun</p> <p>0,15 mm dick<br/>0,25 mm dick<br/>0,35 mm dick</p> <p><b>PTFE glass fabric</b><br/>brown</p> <p>0.15 mm thick<br/>0.25 mm thick<br/>0.35 mm thick</p>                                                                                                                                               |  <p>Preisliste Seite 13<br/>Price list page 13</p> <p>Art. #3700, 1000 x 0.15 mm</p>                                                                                                             |  <p>Preisliste Seite 13<br/>Price list page 13</p> <p>Art. #3702, 1000 x 0.25 mm<br/>Art. #3705, 1500 x 0.25 mm</p>                                                                                |  <p>Preisliste Seite 13<br/>Price list page 13</p> <p>Art. #3706, 1500 x 0.35 mm<br/>Art. #37070, 2400 x 0.35 mm</p>            |
| <p><b>Breite bis 2400 mm lieferbar - Width up to 2400 mm available</b></p>                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                    |
| <p><b>PTFE Glasgewebe</b><br/>schwarz, antistatisch</p> <p>0,15 mm dick<br/>0,25 mm dick<br/>0,35 mm dick</p> <p><b>PTFE glass fabric</b><br/>black, antistatic</p> <p>0.15 mm thick<br/>0.25 mm thick<br/>0.35 mm thick</p>                                                                                                                   |  <p>Preisliste Seite 13<br/>Price list page 13</p> <p>Art. #3710, 1000 x 0.15 mm<br/>Art. #3713, 1500 x 0.15 mm<br/>Art. #37140, 25 x 0.15 mm</p>                                                |  <p>Preisliste Seite 13<br/>Price list page 13</p> <p>Art. #3715, 1000 x 0.25 mm<br/>Art. #3717, 1050 x 0.25 mm<br/>Art. #3719, 1500 x 0.25 mm<br/>Art. #3720, 2400 x 0.25 mm</p>                  |  <p>Preisliste Seite 13<br/>Price list page 13</p> <p>Art. #3722, 1500 x 0.35 mm</p>                                            |
| <p><b>PTFE Glasgewebe</b><br/>luftdurchlässig, 0,20 mm<br/>perforiert, 0,12 mm</p> <p><b>PTFE Folie</b>, weiß<br/>perforiert, 0,25 mm</p> <p><b>PTFE glass fabric</b><br/>permeable, 0.20 mm<br/>perforated, 0.12 mm</p> <p><b>PTFE foil</b>, white<br/>perforated, 0.25 mm</p>                                                                |  <p>Preisliste Seite 14<br/>Price list page 14</p> <p>Art. #3740<br/>luftdurchlässig / permeable</p>                                                                                           |  <p>Preisliste Seite 14<br/>Price list page 14</p> <p>Art. #3746<br/>perforiert / perforated</p>                                                                                                 |  <p>Preisliste Seite 14<br/>Price list page 14</p> <p>Art. #3790<br/>Art. #3793<br/>perforierte Folie<br/>perforated foil</p> |
| <p><b>einseitig selbstklebend</b><br/><b>PTFE Glasgewebe</b><br/>Braun oder schwarz<br/>0,15 mm dick</p> <p><b>PTFE Folie</b>, weiß<br/>für Nähfüßchen<br/>0,25 mm dick</p> <p><b>Self adhesive</b><br/><b>PTFE glass fabric</b><br/>Brown or black<br/>0.15 mm thick</p> <p><b>PTFE foil</b>, white<br/>for sewing feet<br/>0.25 mm thick</p> |  <p>Preisliste Seite 14<br/>Price list page 14</p> <p>Art. #3750, 1000 x 0.15 mm<br/>Art. #3753, 100 x 0.15 mm<br/>Art. #3756, 50 x 0.15 mm<br/>Art. #3759, 25 x 0.15 mm<br/>braun / brown</p> |  <p>Preisliste Seite 14<br/>Price list page 14</p> <p>Art. #3770, 1000 x 0.15 mm<br/>Art. #3773, 100 x 0.15 mm<br/>Art. #3776, 50 x 0.15 mm<br/>Art. #3779, 25 x 0.15 mm<br/>schwarz / black</p> |  <p>Preisliste Seite 14<br/>Price list page 14</p> <p>Art. #3796<br/>300 x 200 x 0.25 mm</p>                                  |

# Endless woven transport belts made of PTFE glass fabric

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We can supply endless woven transport belts  
made of PTFE coated glass fabric.  
Please inform us about the dimensions you require  
and we shall submit a favourable offer by return.

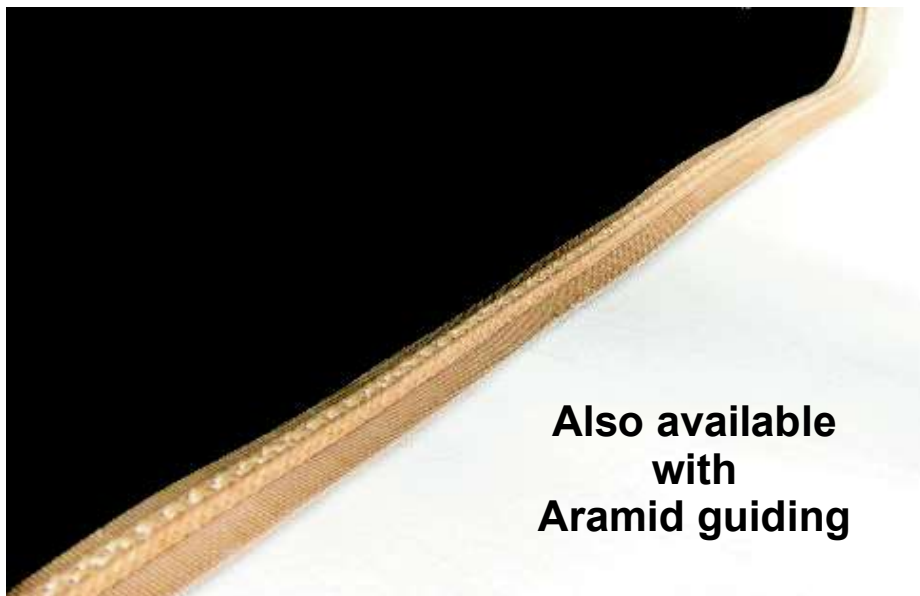
**Endless woven!**

**Endless woven transport belts  
made of PTFE coated glass fabric**

**No joint!**

**Endless woven**

**No seam**



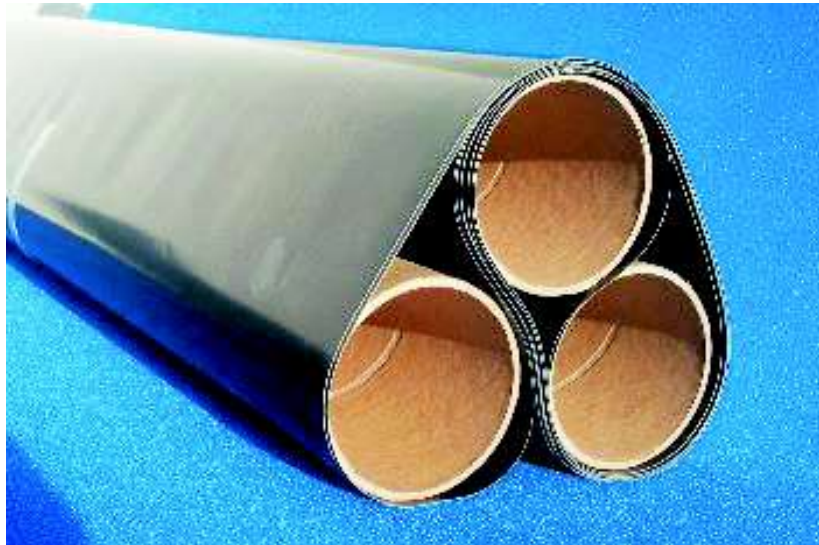
**Also available  
with  
Aramid guiding**

# X-belts with invisible seam

Transport belts with even thickness and almost invisible seam made of two (0.26 mm thick) or three (0.39 mm thick) plies of PTFE coated glass fabric.

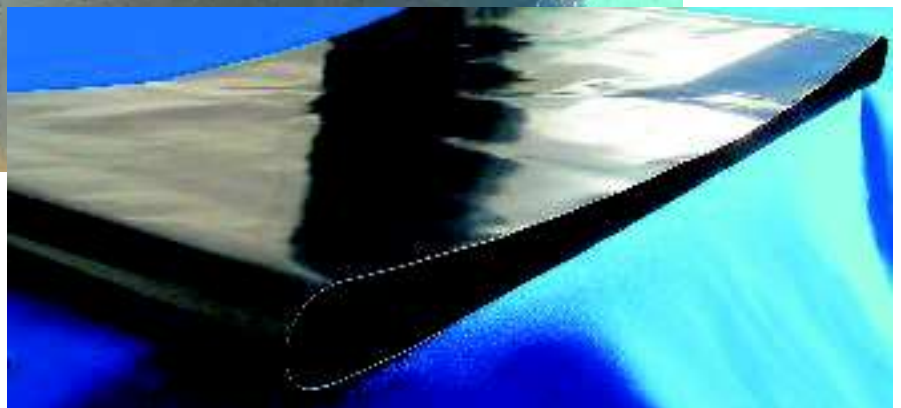
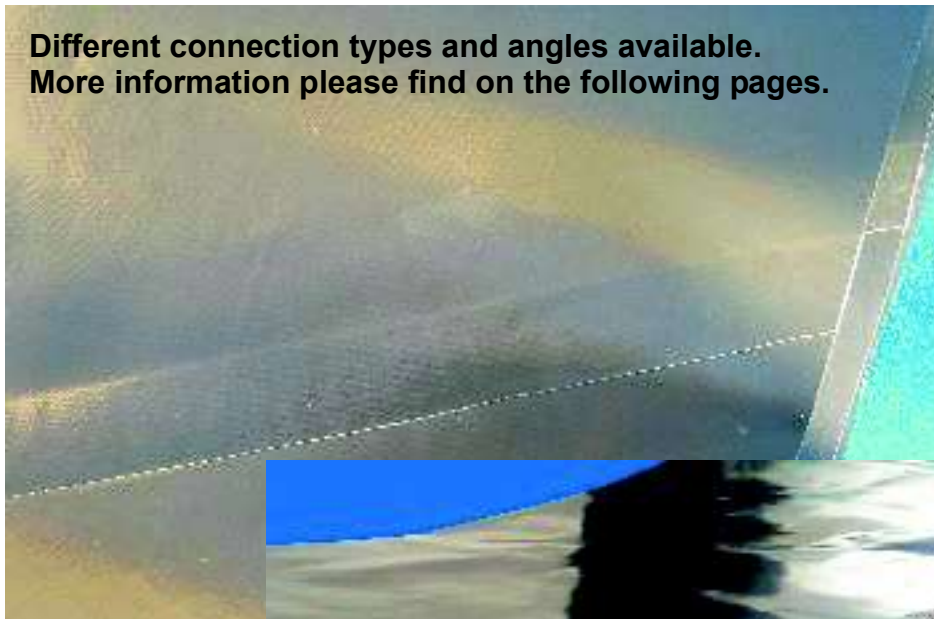
The advantages of the x-belts are:

- smooth and even surface, thus no marking
- very good durability due to two or three plies
- even heat transfer as there are no thicker areas
- no disturbing edges where the belt could stuck and tear
- less expensive than endless woven belts
- available in all practicable sizes



# Standard transport belts with seam

**Different connection types and angles available.  
More information please find on the following pages.**

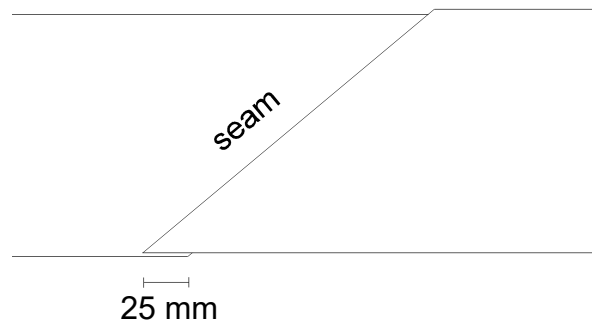


# Connection types for transport belts

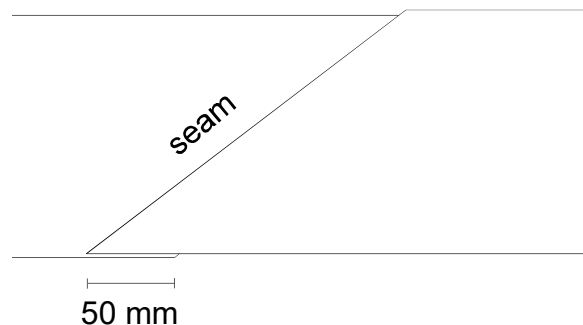
Besides the endless woven transport belts we supply custom made PTFE transport belt produced with the PTFE coated glass fabric and type of connection you choose. The following drawings are meant as suggestions. If you require different types please do not hesitate to send us your enquiry with drawing or sample.

The most commonly used connection is the overlap connection where the two edges simply overlap. If you face problems with the step in the belt you may wish to have it grinded. The width of the overlap connection can be selected. Usually it is either 15 mm, 25 mm or 50 mm wide.

## 25 mm overlap connection



## 50 mm overlap connection



### Common overlap connection



### HS overlap connection - one side grinded



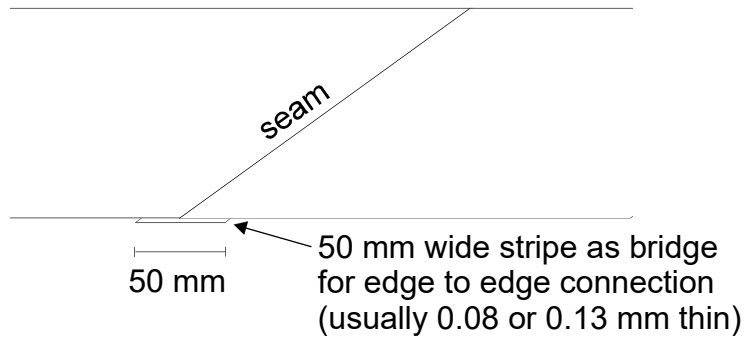
### FS overlap connection - both sides grinded



Grinding the overlap connection makes the seam smooth and almost invisible.

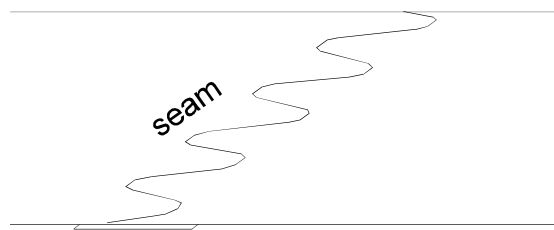
# Connection types for transport belts

## 50 mm edge to edge connection



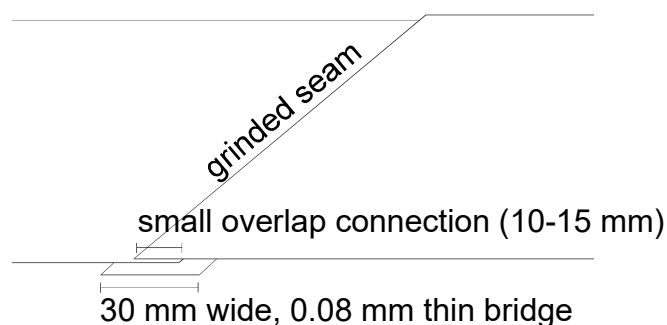
The width of the bridge can be selected according to your requirements.

## Fingersplice (edge to edge connection)



The fingersplice is a variation of the edge to edge connection especially developed for rollers with small diameters.

## Grinded overlap connection with bridge (almost invisible)

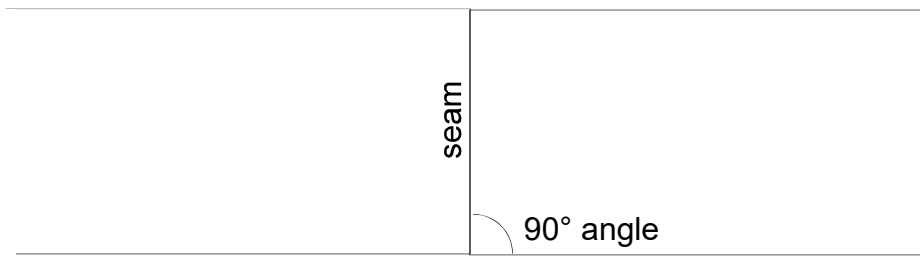


The grinded overlap connection with bridge offers a very small and thus soft connection which goes easily around rollers at a good stability achieved by the additional bridge on the lower side.

Due to the grinding the seam is smooth and almost invisible on the upper side.

# Connection angles for transport belts

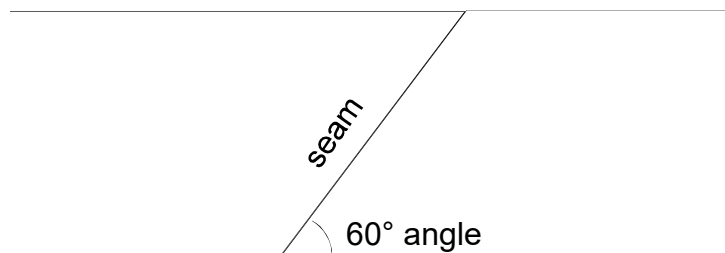
90° connection



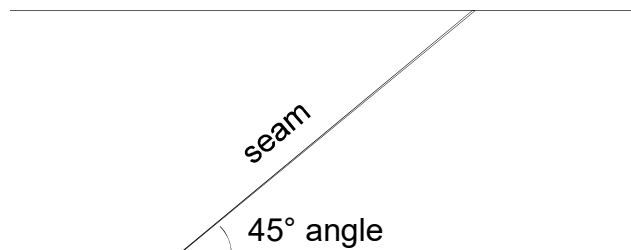
75° connection



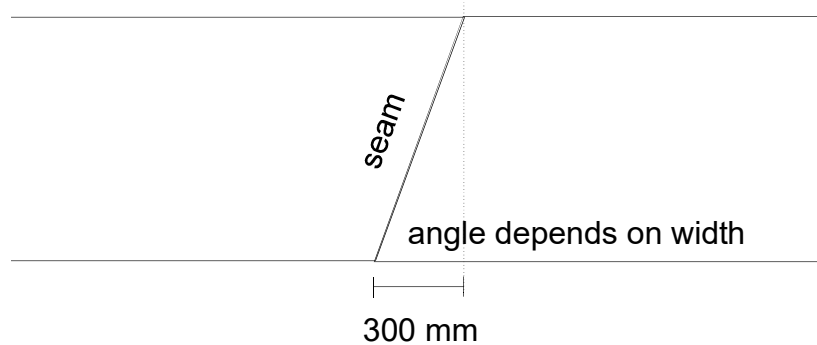
60° connection



45° connection



connection cutted diagonally over 300 mm (Meyer fusing machines)



# PTFE coated glass fabric conveyor belt

Mesh size 4 x 4 mm or 2 x 2 mm

For steam treatment and drying of woven or knitted fabrics and garments.

Available with edge strengthening and many different connections and guidings.

Please send us your technical drawing or sample.



# Special guidings for transport belts

**Transport belts with covered Aramid guiding**



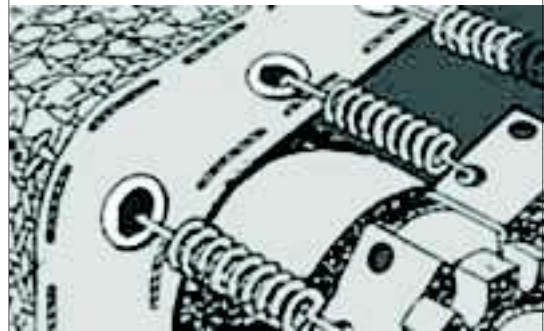
**Transport belts with Silicone guiding**



**Rivet guiding**



**Guiding with eyes for springs**



**Aramid guiding with edge strenghtening**





## INSTALLATION VON PTFE-TRANSPORTBÄNDERN

- Das neue PTFE Band mittig in die Maschine einlegen.
- Der Spanndruck der Spannrolle ist so gering wie möglich einzustellen, gerade dass der Antrieb gewährleistet ist.
- ! Die Presswalzen auf Parallelität überprüfen !
- Die Maschine mit 3 Meter pro Minute in Betrieb nehmen.
- Damit sich das Band längen kann, die Maschine dann auf 200°C aufheizen. Dabei ständig überprüfen, ob das Band nicht aus der Spur läuft.
- Läuft das Band nach rechts, rechte Seite einer Umlenkwalze lockern.
- Läuft das Band nach links, rechte Seite einer Umlenkwalze spannen.  
(Wenn der Verlauf nur über Spannen rechts / links korrigiert wird, strapaziert dies das Band unnötig.)
- Nehmen Sie die Korrekturen vorsichtig vor und geben Sie dem Band nach jeder Korrektur Zeit zu reagieren.
- Die Maschine sollte ca. 1 Stunde bei obiger Einstellung laufen, wobei der Bandverlauf ständig zu beobachten ist.
- Das Band ist gut voreingestellt, wenn die Steuerung lediglich 1-2 Mal pro Minute anspricht.



## INSTALLATION OF PTFE TRANSPORT BELTS

- Lay the new belt in the middle of the rollers.
- The tension at the tension roller shall be as low as possible just allowing to run the belt.
- ! Check parallelism of press rollers !
- Run the machine at 3 meter per minute.
- To allow elongation of the belt heat the machine to 200°C.  
During that period continue to check the traction of the belt.
- If the belts tracks to the right loosen one of the deflection rollers on the right.
- If the belts tracks to the left tension one of the deflection rollers on the right  
(Correction of the tracking just by tensioning on the left and right will stress the belt unnecessarily.)
- All adjustments need to be done gently. Give the belt time for reaction after each adjustment.
- The machine should run under above conditions approximately 1 hour.
- The adjustment of the belt is good if the tracing system is working just once or twice per minute.



## INSTALACION DE BANDAS PARA MAQUINAS FUSIONADORAS

- Coloque la banda (faja) en el centro de los rodillos.
- La tension del rodillo debe ser apropiado, para permitir un correcto funcionamiento de la banda (faja).
- !Compruebe el nivel de la banda (faja) al rodillo!
- Hacer funcionar la maquina a una velocidad de 3 metros x minuto.
- Encender la maquina a 200°C para el calentamiento de la banda (faja), despues bajar la temperatura a la necesidad que desea trabajar y durante este tiempo compruebe la tension de la banda (faja).
- Cuando la banda (faja) esta en funcionamiento y esta se dirige bien al lado derecho o izquierdo, parar la maquina y revisar la tension de la banda (faja) y despues el nivel de los rodillos.
- Todos estos ajustes deben ser realizados con mucho cuidado, asimismo dar el tiempo necesario a la reaccion de la banda (faja) despues de cada ajuste.
- La maquina debe funcionar en estas condiciones y ser controlado aproximadamente una hora.
- Los ajustes en las maquinas con control automatico, la banda (faja) esta bien instalada si el sistema de aviso es de una o dos veces por minuto. Si fuera el caso de mas avisos, revisar la instalacion de la banda (faja) y rodillos.



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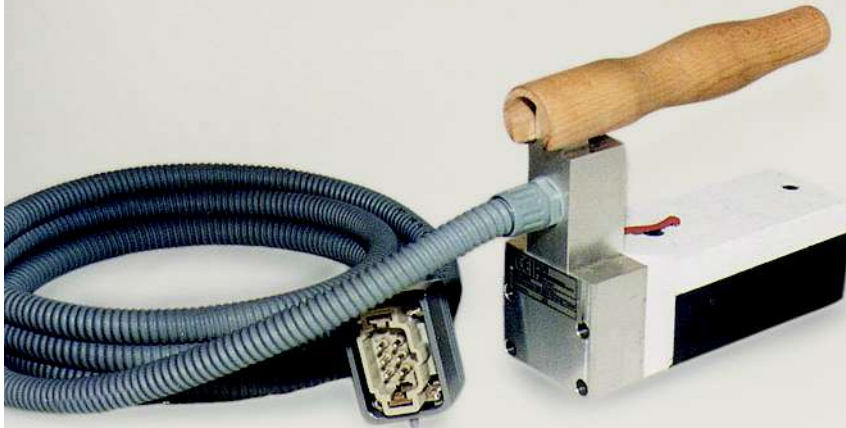
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# **Welding Iron** for welding PTFE coated fabrics

## **Welding iron**

with a simple and cost saving construction



## **External temperature control unit**

for a reliable temperature control



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# Welding Iron for welding PTFE coated fabrics

## Technical Data

Working temperature: up to 400°C

Voltage: 230 V AC 50/60 Hz

Power: 3500 watt

Fuse: 16 A / FF

Fuse type: G-fuse inlet 6,3 x 32 mm 250 V AC -16 /FF

Heating element: Fe- CuNi Type J



Welding film

## Instructions

- Attach the exactly cutted PTFE coated glass fabric to the correct position at the fusing machine and clean the edges carefully. Do make sure there is no silicone residue.
- Put the welding film straight between the two edges which shall be connected. Eventually use magnets, weights or some drops of water to fix the welding film.
- Then place the welding iron heated to about 360° C on the middle of the seam and press shortly. Lift the iron and press it more left and right until the edges will not slip any more.
- Move the iron with sufficient pressure from the middle to the left and right until the welding film is completely melted and the seam is totally closed. Take care that the belt does not move or slip.
- Before using the machine again, let the seam get cool.

**The welding film needs min. 206° Celsius but take care not to use higher temperatures than 400° Celsius because this would destroy the PTFE.**

Hint: The welding can be done more quickly and securely with a hot lower buck or on a welding bar which you can also see on above picture.



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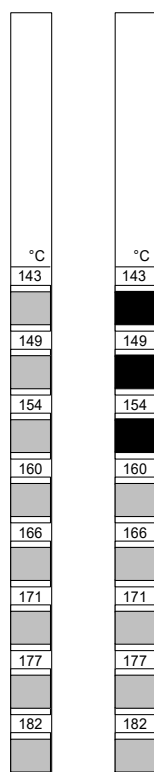
Internet: [www.vomatex.de](http://www.vomatex.de)

# Temperature control stripes

The reliable method of  
measuring temperatures

quickly  
easily  
exactly

at  
- Ironing  
- Fusing  
- Thermo printing



before measuring

after measuring

Temperature control stripes are chemical reacting paper thermometers. Reaching the printed temperature, the indicator changes its colour from light grey to black. Because the change is irreversible the stripes can be used as a proof for the reached temperature.

The paper is very thin to allow a quick heating. Thus the response time of the indicator is less than 1 sec. which is especially important at short pressing times. The accuracy of the measurement is at +/- 1% of the printed values.

The use of temperature control paper stripes is very easy. For example during fusing you put the stripes between fabric and interlining with the indicator side of the stripes to the fabric. Now fuse as you are used to do. After opening the press you slightly tear the fabric and the interlining apart in order to pull the stripe out. Now you can read the maximum temperature from the coloured indicators.

It is important to protect the stripes against moisture and dirt to get exact results. For this reason we recommend to leave the stripes in the plastic bags in which they are delivered. If they are kept cool and dry they can be stored for nearly unlimited time.

Temperature control paper stripes are available at 40 stripes per bag in the following range:

|           |                                                       |
|-----------|-------------------------------------------------------|
| Type 0:   | 41 - 49 - 60 - 71 - 82 - 93 - 99 - 104°C              |
| Type 0.1: | 82 - 88 - 93 - 99 - 104 - 110 - 116 - 121 - 127°C     |
| Type 1:   | 104 - 110 - 116 - 121 - 127 - 132 - 138 - 143°C       |
| Type 1.1: | 127 - 132 - 138 - 143 - 149 - 154 - 160 - 166 - 171°C |
| Type 2:   | 143 - 149 - 154 - 160 - 166 - 171 - 177 - 182°C       |
| Type 3:   | 182 - 188 - 193 - 199 - 204 - 210 - 216 - 224°C       |
| Type 4:   | 210 - 216 - 224 - 232 - 241 - 249 - 254 - 260°C       |



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E-mail: sales@vomatex.de

# Cleaning powders against resin residues



Both powders remove adhesive residue, prevent from further sticking and preserve the operation surface of fusing presses, irons and transport belts of fusing machines made of PTFE coated fabrics.

The RE Fix powder does not contain silicone!



The Rollax powder does contain silicone!



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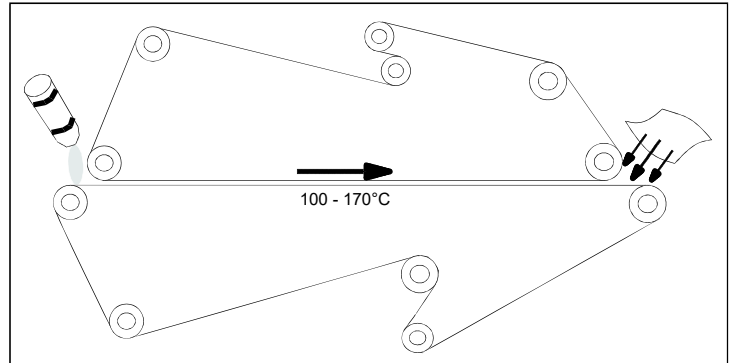
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# How to use the cleaning powders

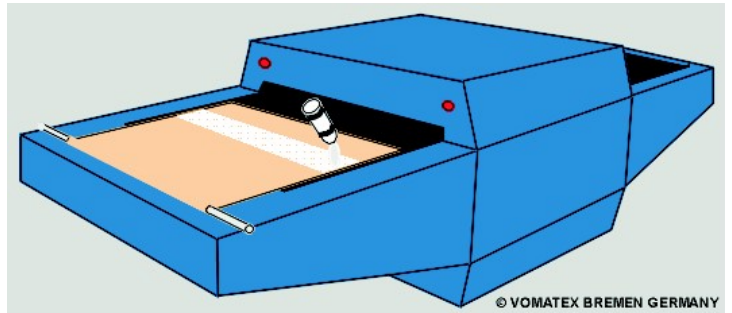
## How to use the cleaning powders on lower transport belts:

1. Sprinkle the powder evenly onto the slowly running 100 - 170°C hot transport belt.
2. The powder will melt, permeating the residue.
3. Wipe off completely with a cloth or with our article #38130 knitted cotton hose used like a glove.
4. Repeat if necessary.



## How to use the cleaning powders on upper transport belts:

1. Put a cleaning cloth (our articles #356XX Cotton Molton M4 or #35002 Polyester needlefelt V264) which is fixed to a bar on the fusing machine.
  2. Sprinkle some powder from edge to edge onto the cleaning cloth.
  3. Let the cleaning cloth run into the machine.
  4. The powder will melt, permeating the residue whilst the belts should keep on running.
  5. Repeat as often as possible to preserve the PTFE surface of the transport belts.
- Of course you can use the cleaning cloth also for the lower transport belt.



## How to use the cleaning powders on presses:

1. Sprinkle the powder evenly onto the 100 - 170°C heated surface.
2. Allow time for the powder to melt, permeating the residue.
3. Wipe off completely with a cloth or with our article #38130 knitted cotton hose used like a glove.
4. Repeat if necessary.

## How to use the cleaning powders on irons:

1. Sprinkle the powder evenly onto a piece of cleaning cloth.
2. Move the 100 - 170°C hot iron on the cleaning cloth.
3. Repeat if necessary.



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