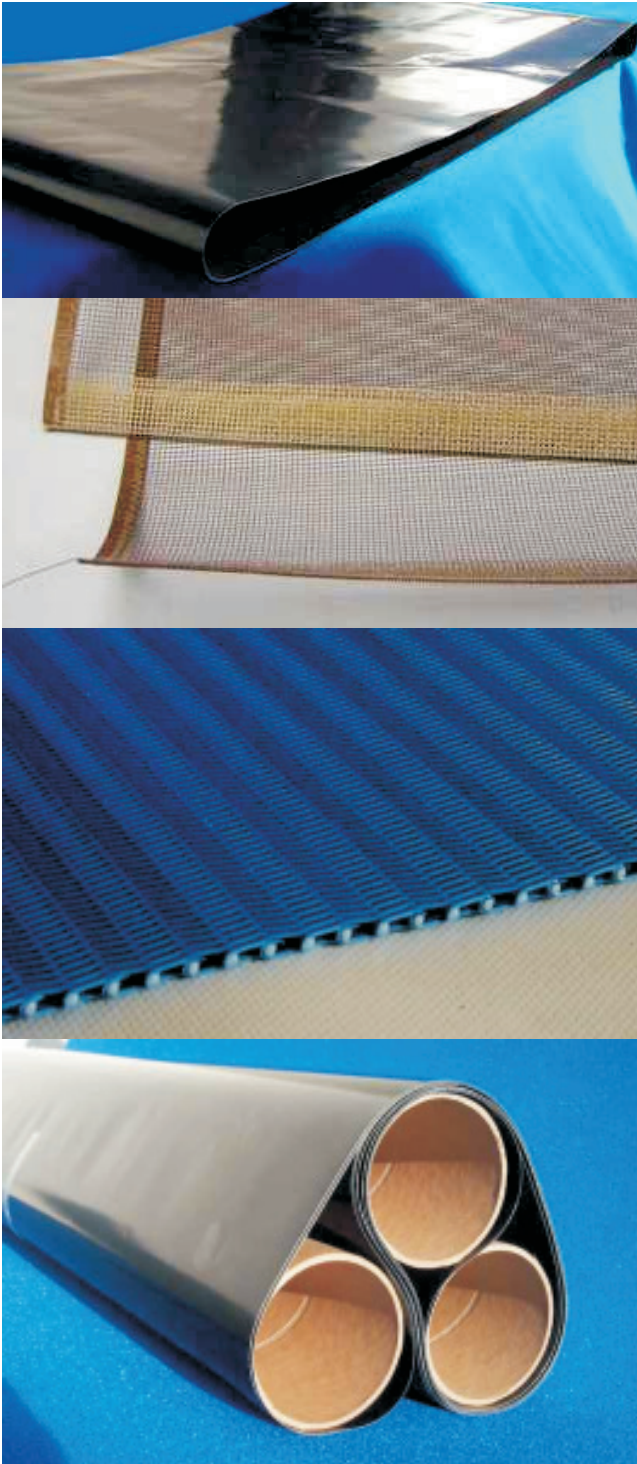


VOMATEX GERMANY

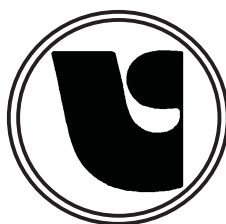


PTFE coated fabrics

Transport belts

Cooling belts

Accessories



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VOMATEX

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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.

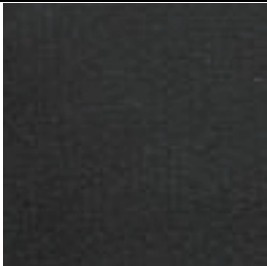
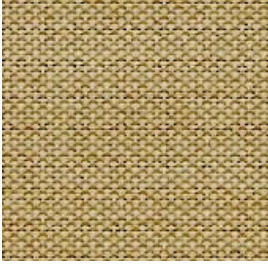
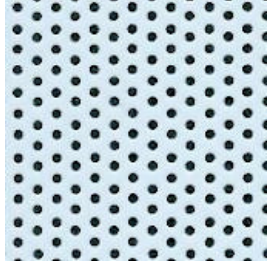
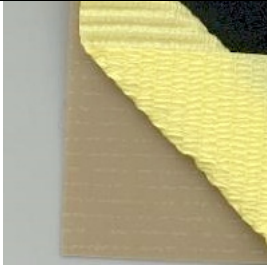
In order to measure the working temperature in your machines we advise our temperature control paper stripes.



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

Endless woven transport belts made of PTFE KEVLAR® fabric or PTFE glass fabric

We can supply endless woven transport belts
made of PTFE coated KEVLAR® or 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 glass or KEVLAR® fabric**

No joint!

Endless woven

No seam



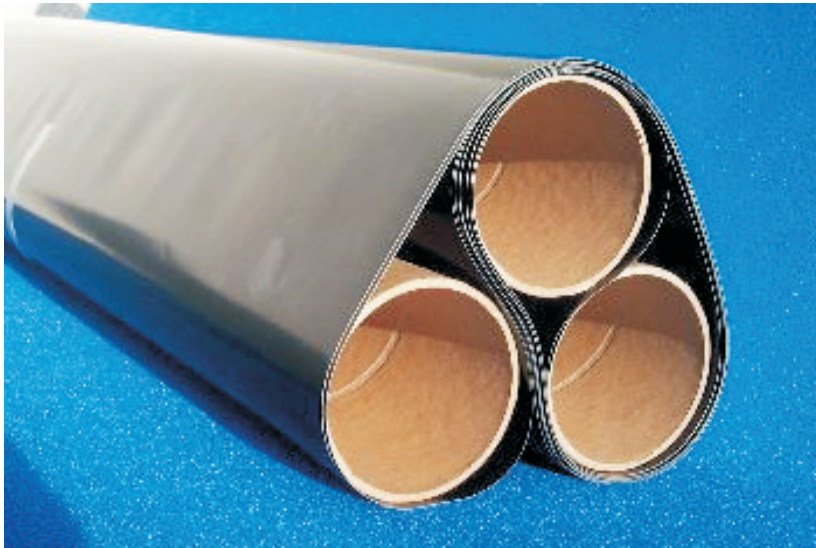
**Also available
with covered
Aramid guiding**

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.**

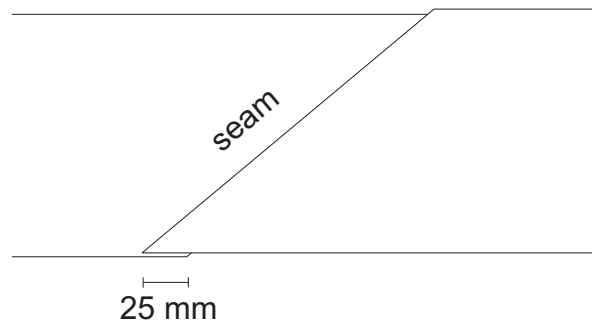


Connection types for transport belts

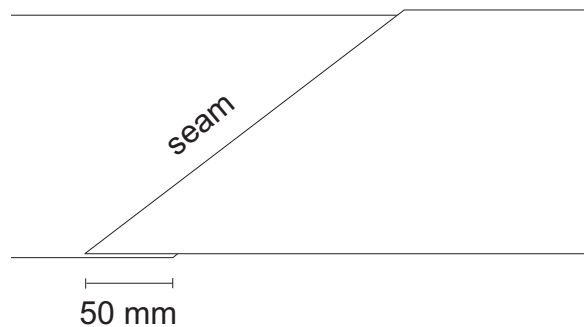
Besides the endless woven transport belts we supply custom made PTFE transport belt produced with the PTFE coated glass fabric and type of connection you choose. The following drawings are meant as suggestions. If you require different types please do not hesitate to send us your enquiry with drawing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



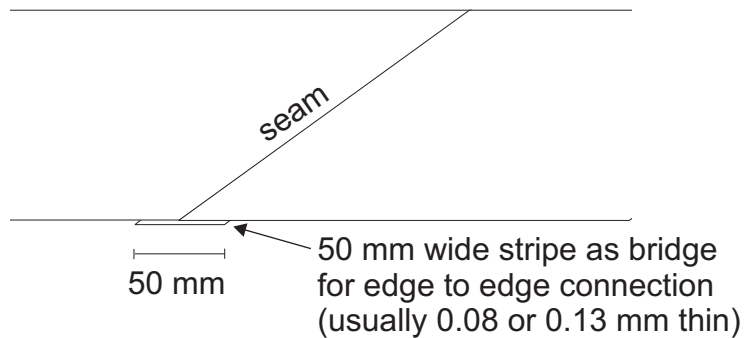
FS overlap connection - both sides grinded



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

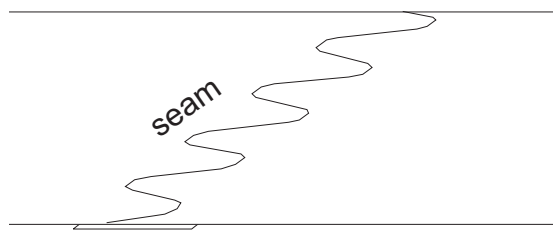
Connection types for transport belts

50 mm edge to edge connection



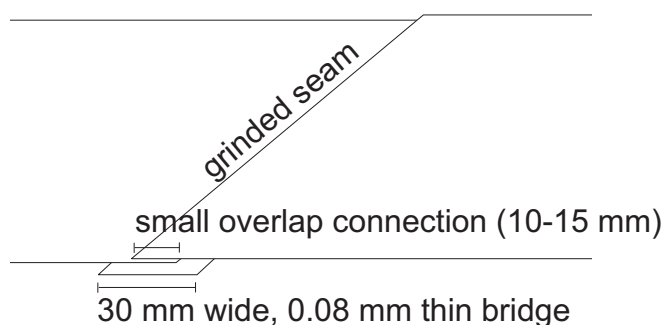
The width of the bridge can be selected according to your requirements.

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)

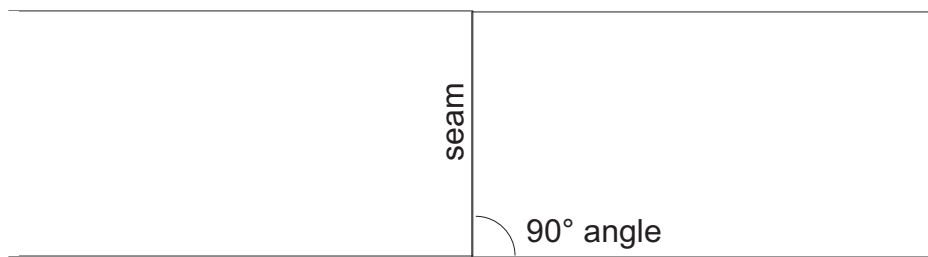


The grinded overlap connection with bridge offers a very small and thus soft connection which goes easily around rollers at a good stability achieved by the additional bridge on the lower side.

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

Connection angles for transport belts

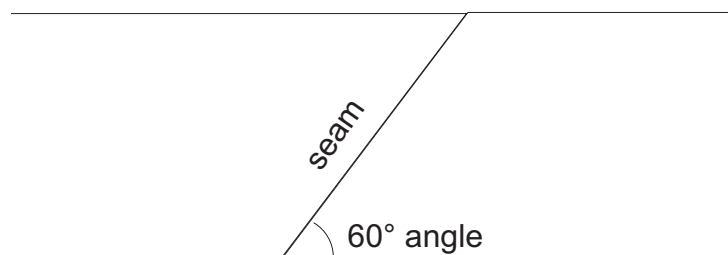
90° connection



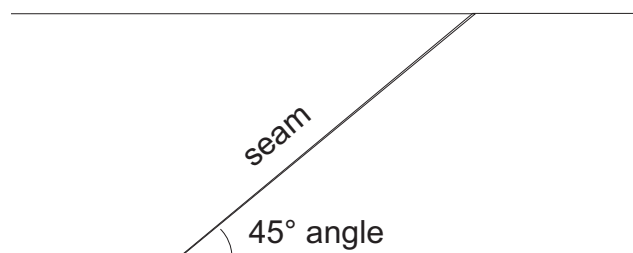
75° connection



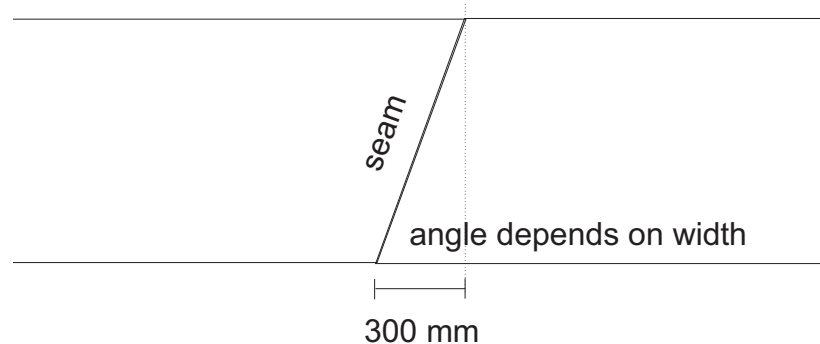
60° connection



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.

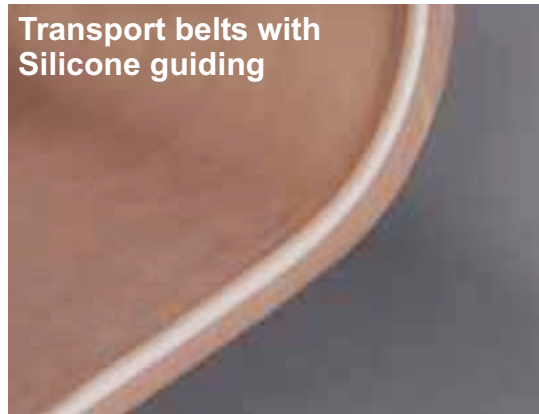


Special guidings for transport belts

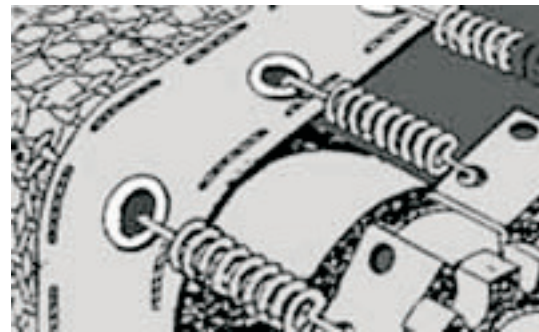
Transport belts with
Aramid guiding



Transport belts with
Silicone guiding



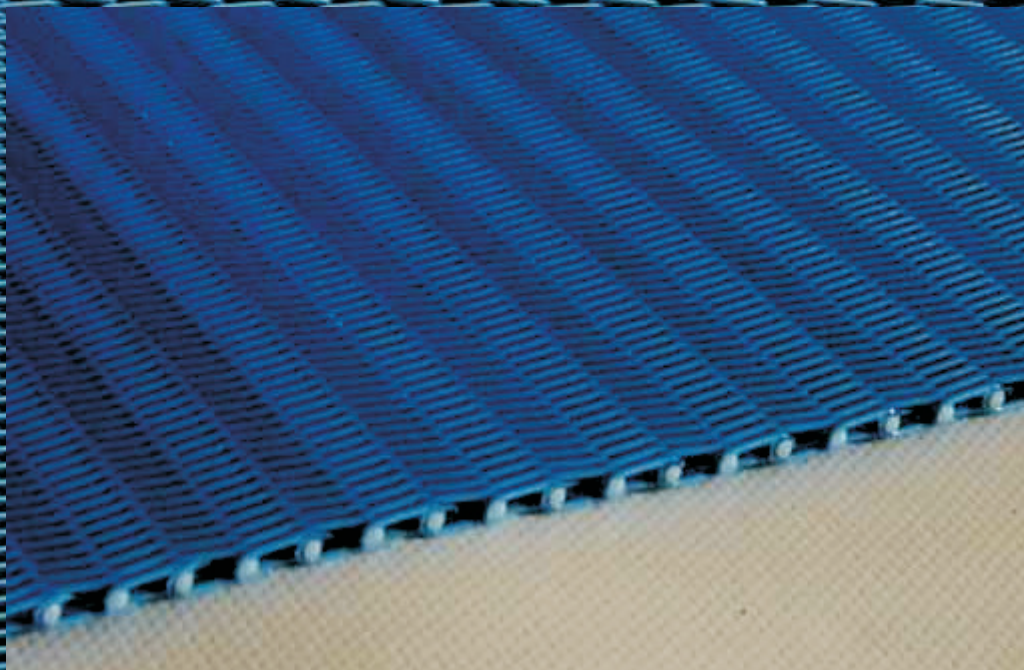
Rivet guiding



Guiding with eyes for springs

Cooling belt

Made of Polyester spiral wire





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 3m pro min. 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 3m per min.
- 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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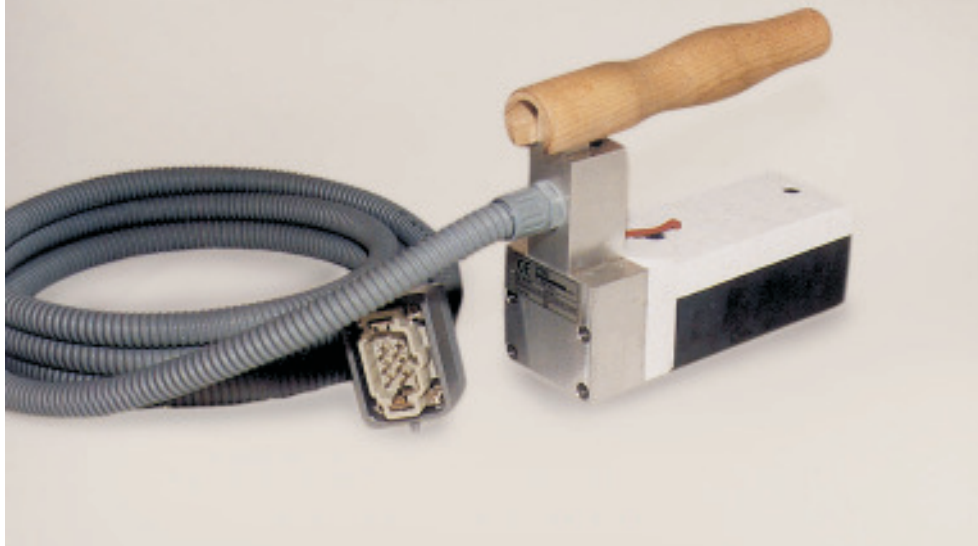
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Welding Iron

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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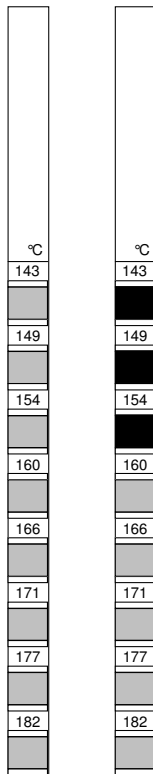
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Temperature control stripes



**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. You now 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 in the following range:

Type 0:	41 -	49 -	60 -	71 -	82 -	93 -	99 -	104 °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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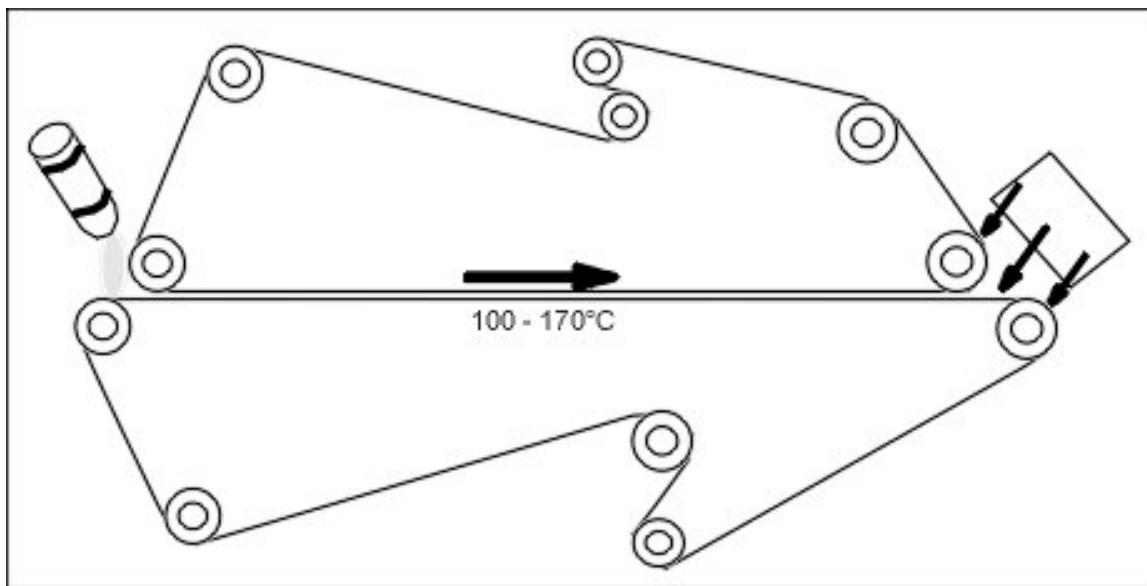
ROLLAX cleaning powder



Rollax powder, 250-g-bottle
art.no. 38120

removes adhesive residue,
prevents from further sticking
and preserves the operation surface
of fusing presses, irons and
transport belts of fusing machines
made of PTFE coated glass fabric.

Knitted cotton hose
art.no. 38130
used like a glove for cleaning



How to use Rollax powder on transport belts (above drawing):

1. Sprinkle Rollax evenly onto the slowly running 100 - 170 °C hot transport belt.
2. The Rollax 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 Rollax powder on flat fusing presses and irons:

1. Sprinkle Rollax evenly onto the 100 - 170 °C heated surface.
2. Allow time for Rollax 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.



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