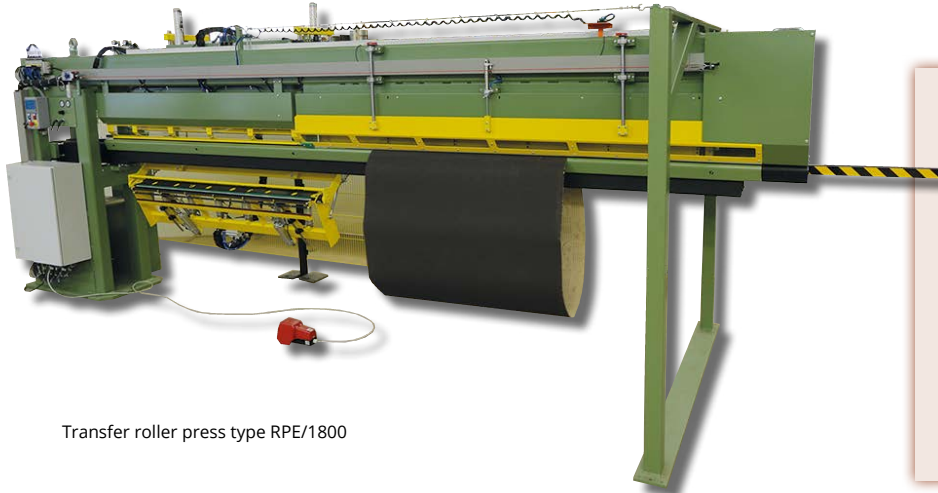




SINCE 1962
Coated Abrasives Conversion Equipment
made in Switzerland

Transfer roller press type RPE

The transfer roller press type RPE is designed for pressing joints of endless abrasive belts with a maximum press length of 1800 mm. The press is a high-performance machine, which can be equipped for example with a positioning and joining device as well as with several other options.

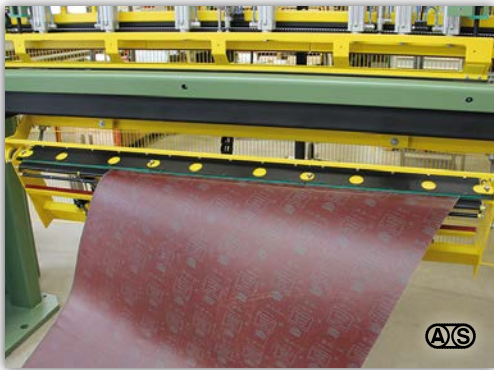


Transfer roller press type RPE/1800

- » Press force adjustable up to approx. 5000 N
- » Maximum press length 450 mm or 1800 mm
- » Active press width 20 mm, 30 mm or 40 mm
- » For overlap joints and/or tape joints
- » Built-in heating up to 80 °C
- » For one wide belt or optionally for several narrow belts
- » Working direction from left to right (standard)

Working principle

- The rear lap has to be inserted first. It is then positioned automatically from behind onto the joint and held in position by pneumatic belt clamps.
- The front lap must be joined manually onto the rear lap. The belt is automatically transferred from the joining station to the press by a conveyor belt. From there, the pressed belt will be ejected automatically.
- Joining of a new belt during the pressing cycle is possible.



Joining station with positioning device

Joining station

- Automatic positioning of the rear lap onto the joint.
- In general for inserting one belt (optionally with 3 sections for 2 or 3 narrow belts).
- The rear lap can be easily inserted into the positioning device. The device brings then the lap end into the joining station where the front lap can be joined manually.
- Pneumatic belt clamps are holding the rear lap in position during the process.
- After joining, a pre-pressing with a maximum of 4000 N can be made.
- Heating in the joining station up to 60 °C.

Transfer station

- Automatic transfer to the press by a conveyor belt.

Pressing station

- Active press width 20 mm, 30 mm or 40 mm.
- Press force adjustable up to approx. 5000 N.
- 1 or 2 pressing cycles with two-speed drive of approx. 0.2 m/sec and 0.4 m/sec.
- Built-in heating up to 80 °C.
- Fixed safety cover behind the press as well as movable safety cover on the front side for direct view into the machine.
- The belt will be ejected after pressing.

Options

- Positioning device for 2 or 3 narrow belts.
- Two conveyor belts for the transport from the joining station to the press for an even more secured transport of pre-pressed belts (especially recommended for pre-coated tapes).
- Stronger pre-pressing for more adhesive effect (pre-coated tapes).



Inserting/joining of a new belt during pressing cycle