



RPS-E *EVOLUTION*

- **Competence in Fusing**
- **3D-heating system, Endless belts**
- **Modular design**
- **Fusing widths 100, 140, 180 cm**

RPS-E EVOLUTION

With the **new redesigned** series **RPS-E EVOLUTION**, MEYER presents one of the most modern fusing machines. Numerous improvements have been incorporated. Reliability was increased by means of the new control systems and operation was simplified once more. All functions can be easily set and also exactly readjusted if required. Special attention has to be paid to the ergonomic and extensive operating area. A selection can be made between the RPS-E2 as compact version and the RPS-E4 as version with high-grade equipment.



Control: Metronic SPS-3

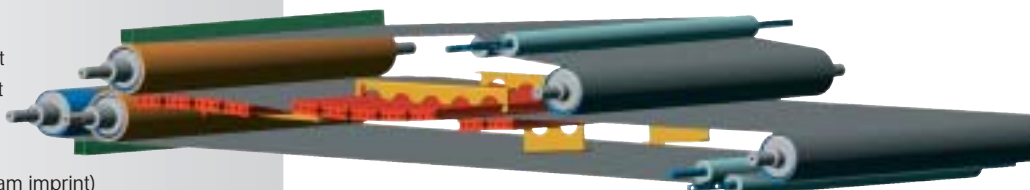


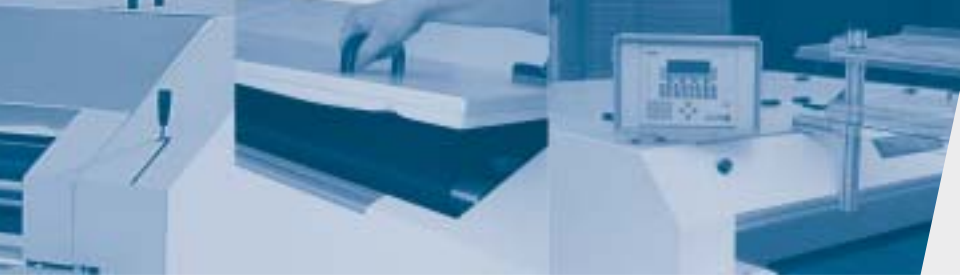
RPS-E 2

- An approx. 1m long loading belt allows a very effective and convenient operation
- Heating system with 3 registers and 2 control zones
- Silicone-coated pair of pressure rollers with separate deflection roller for exact pressure
- Long lowerable cooling belt, adjustable for stacker system and return conveyor belt
- Belt cleansing device for top and bottom
- Polished V2A casing at inlet and outlet
- Revolutionary control system METRONIC SPS-3 with illuminated graphic display
- Storage possibility for approx. 10 programs with fusing parameters

Options

- Extension elements for loading area, fixed at the front and laterally hinged
- Intermediate fusing roller with pneumatic pressure generation, adjustable at the Metronic SPS-3
- Return conveyor belt
- Suction for device cooling belt
- Compressor cooling for cooling belt
- Rotating strip-off device for top belt
- Multiflex pressure rollers
- Shelves
- Endless conveyor belts (without seam imprint)
- Printer for print-out of current settings and actual values





Control: Siemens SPS
with printer

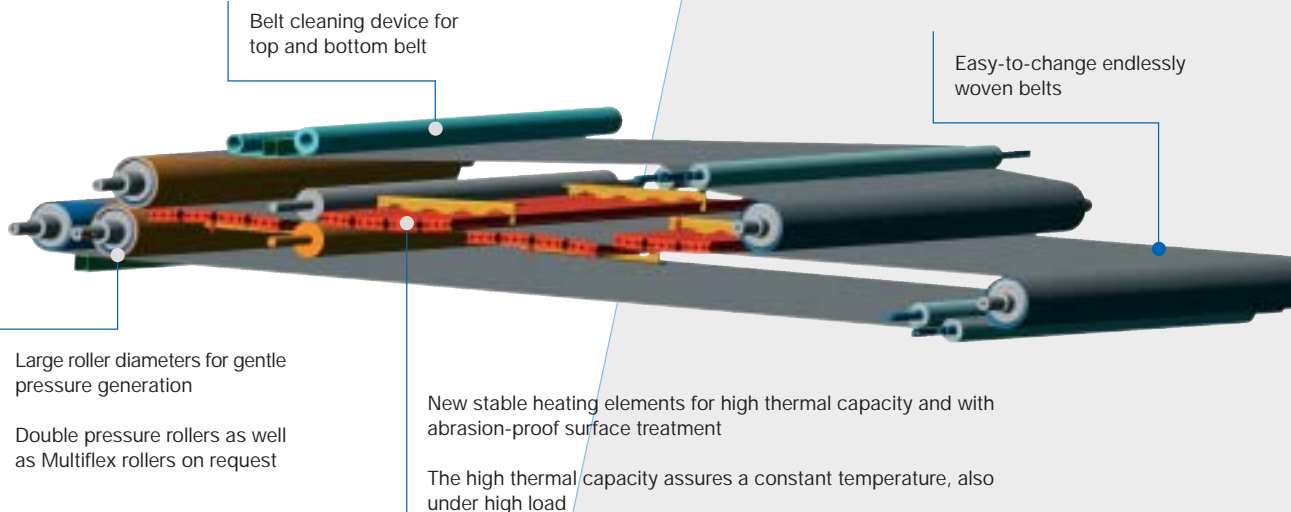
RPS-E 4

Same design as RPS-E2, additionally equipped with

- Extended heating system with 4 registers and 4 control zones
- Increased heating power
- Fusing width up to 1,800 mm
- Top belt cleaning device can be rolled on for particularly gentle cleaning

Options

- Extension elements for loading area, fixed at the front and laterally hinged
- Intermediate fusing roller with pneumatic pressure generation, adjustable at the SPS control
- Return conveyor belt
- Suction device for cooling belt
- Rotating strip-off device for top belt
- Double pressure system
- Multiflex pressure rollers for the first pair of pressure rollers
- Shelves
- Endless conveyor belts (without seam imprint)
- 3D-heating system with 3 lanes and a total of 12 control zones (only with Siemens SPS control)
- Siemens SPS control with memory function for approx. 100 programs with individual fusing parameters
- Printer for print-out of current set and actual values



Belt cleaning device for
top and bottom belt

Easy-to-change endlessly
woven belts

Large roller diameters for gentle
pressure generation

Double pressure rollers as well
as Multiflex rollers on request

New stable heating elements for high thermal capacity and with
abrasion-proof surface treatment

The high thermal capacity assures a constant temperature, also
under high load

RPS-E EVOLUTION



The new 3D-heating system *Practical examples*

| Lane | Fusing temperature | Application |
|----------------------|--------------------|---|
| 1 st lane | 120°C | for pocket lining or other thin materials |
| 2 nd lane | 130°C | for small or side parts |
| 3 rd lane | 145°C | for sandwich with step inlay or plaque |



The new developed 3D-heating system is the revolution in heating technology and assures the most efficient fusing. The 3D-heating system allows fusing on three lanes by using different temperatures. This means, that open and sandwich fusing can be effected at the same time.

The lanes are divided according to feeding belts and stacker and for each lane the optimal fusing temperature can be set. The temperature range of each lane is controlled by means of four each separate zones. This results in a total of 12 zones which are controlled via modern SPS control.

The 3D-heating system assures an optimum of quality and efficiency in fusing.

Technical data RPS-E

| | | RPS-E 2 | | RPS-E 4 | | |
|-----------------------|----------------------|---------|------|---------|------|------|
| Fusing width | [mm] | 1000 | 1400 | 1000 | 1400 | 1800 |
| Voltage | [V/3/N] | 400 | 400 | 400 | 400 | 400 |
| Connected load | [kW] | 18,5 | 23,8 | 23,5 | 30 | 40 |
| Power consumption | [kW] | ~6 | ~8 | ~8 | ~10 | ~13 |
| Air supply | [bar] | 6 | 6 | 6 | 6 | 6 |
| Air consumption | [l/min] | 1 | 1 | 1 | 1 | 1 |
| Temperature max. | [°C] | 200 | 200 | 200 | 200 | 200 |
| Heating length | [mm] | 1275 | 1275 | 1635 | 1635 | 1635 |
| Heating power | [kW] | 18,2 | 23,4 | 23,1 | 29,7 | 36,3 |
| Control zones | [Zonen] | 2 | 2 | 4 | 4 | 4 |
| 3D-heating system | [Zonen] | - | - | - | 12 | 12 |
| Speed | [m/min] | 1-12 | 1-12 | 1-12 | 1-12 | 1-12 |
| Pressure | [N/cm ²] | 0-50 | 0-35 | 0-50 | 0-35 | 0-18 |
| Pressure | [N/cm ²] | 0-10 | 0-7 | 0-10 | 0-7 | 0-5 |
| Dimensions and weight | | | | | | |
| Length | [mm] | 3925 | 3925 | 4275 | 4275 | 4275 |
| Width | [mm] | 1580 | 1980 | 1580 | 1980 | 2380 |
| Height | [mm] | 1250 | 1250 | 1250 | 1250 | 1250 |
| Weight | [kg] | 1200 | 1400 | 1500 | 1700 | 2000 |

Special voltage on request. Subject to changes in constructions.
The machine pictures might show options.

Herbert-Meyer-Straße 1
D-92444 Rötz (Oberpfalz)
Tel.: ++49 (0) 99 76 2 08-0
Fax: ++49 (0) 99 76 1510
info@meyer-machines.com