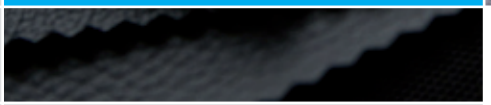
Competence in

FUSING

MASCHINENFABRIK HERBERT MEYER GMBH



Ideas that bond.

MASCHINENFABRIK HERBERT MEYER GMBH

Welcome to the world of MEYER machines.
We appreciate your interest in our products, system solutions, and services.

Since 1949, we have been writing internationally successful machine history when it comes to subject of bonding, coating, pressing, or molding.

We welcome the opportunity to convince you – visit us at our facility and take the opportunity to find the most suitable solution for you in our Competence Center.

As a family owned enterprise, we see the commitment to combine tradition and innovation – let's bond!

Foundation:	*1949*
Production area:	*15,000 m²*
Employees:	*170*

FUSING

Continuous fusing machines

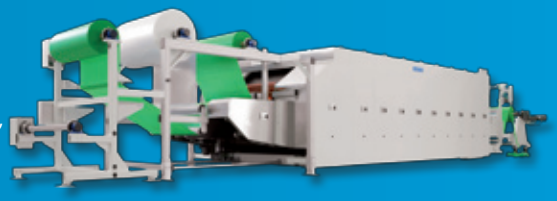
RPS series
- **L**
- **E1**
- **E2**
- **E2 Leather**
- **E4**

Discontinuous fusing machines

Options
- *Loading belts*
- *Return belts*
- *Extension of loading area, sideways hinged*
- *Shelves*
- *Light table*
- *Stacker system*
- *Double pressure rollers*
- *Multiflex pressure rollers*
- *Waistband winders*
- *Barcode scanner / printer etc.*

LAMINATING

KFK series
- **C**
- **E, EL, X**
- **XL**
- **P**
- **V**
- **L**

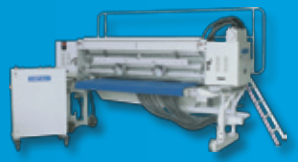


Options *See brochure "Laminating"*

SCATTERING

PST series
- **Powder scattering**
- **Coating line**

Options *See brochure "Scattering"*



PRESSES

System
- **Thermo-molding**
- **Thermo-stamping**
- **Thermo-consolidation**
- **Thermo-transfer**

SERVICES

- **After sales service**
- **Competence Center for customer trials**
- **Contract manufacture**
- **Contract laminating**

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RPS-L400

Fusing machine - continuous

With the RPS-L series we have successfully managed to transfer knowledge and experience of the big high-efficiency fusing machines into a compact stand-alone version.
Pressure generation is carried out manually and can be infinitely adjusted to all outer fabrics and interlinings.

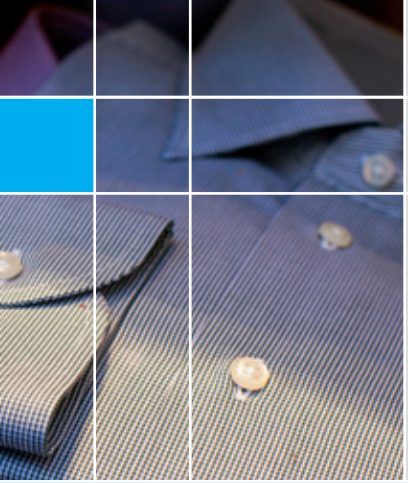
Compact solutions with the skills of the Great

Illustrations might show special features

RPS-L400
Optional features
Waistband fusing device and table

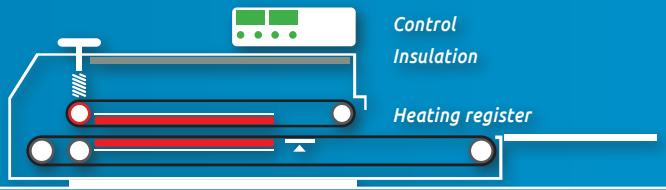
Silicone coated pressure rollers assure safe and gentle fusing.
Heating elements are connected with the heating plate over the whole area ensuring the required even distribution of heat.
The flexible mounting of the heating plate allows fusing without any drop in temperature even for heavy fabrics. The intelligent, energy-saving insulation protects operators effectively against heat.

Technical data:	RPS-L400
Fusing width (mm)	400
Voltage (volt)	230
Connected load (kW)	3.3
Consumption/h (kW)	2.5
Speed (m/min.)	1 to 9
Pressure (N/cm^2)	0 to 50
Dimensions L x W x H (mm)	1,660 x 890 x 450
Weight (kg)	140



Fusing machine - continuous

RPS-L600



RPS-L600
Optional features
Return belt and table

Illustrations might show special features

Technical data:	RPS-L600
Fusing width (mm)	600
Voltage (volt)	400
Connected load (kW)	5
Consumption/h (kW)	4
Speed (m/min.)	1 to 9
Pressure (N/cm^2)	0 to 35
Dimensions L x W x H (mm)	1,660 x 1,090 x 450
Weight (kg)	180

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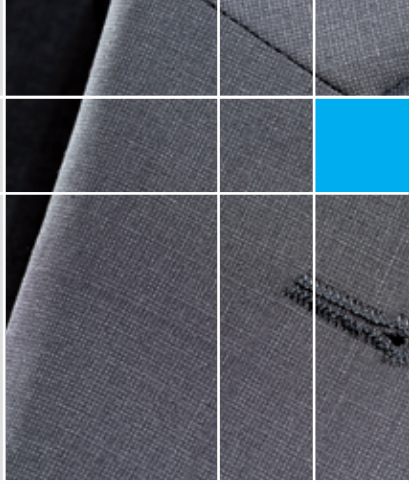
RPS-E1
EVOLUTION

Fusing machine - continuous

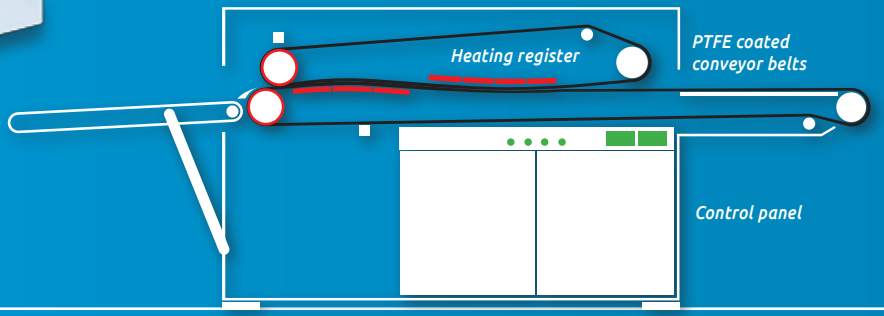


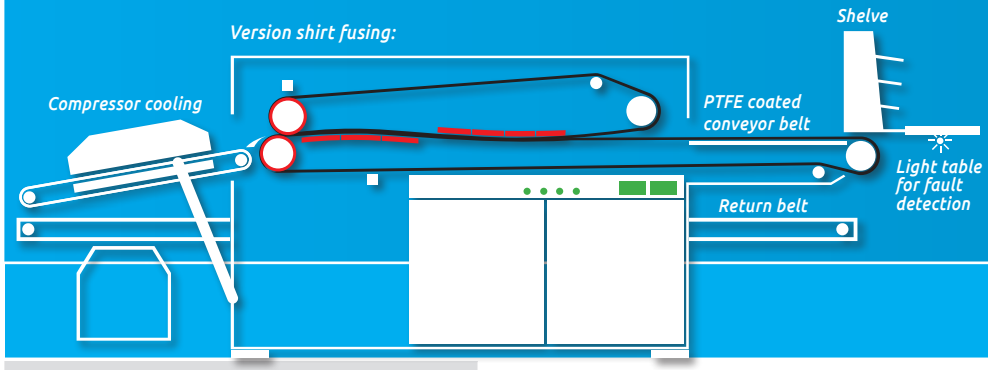
This well-conceived solution is demonstrated through numerous practical details assuring economical and energy-efficient operation. The powerful, yet energy-saving heating system with two control zones (PID) consists of hard-coated heating elements and is designed for longevity through tubular heating elements.

The practical solution for economical use

Illustrations might show special features

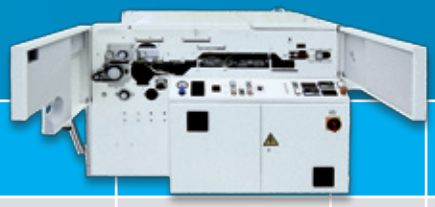
The precise, silicone coated pressure rollers with large diameters assure an even pressure over the complete working surface.

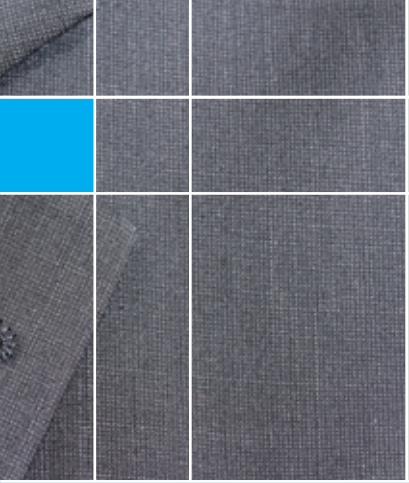




Technical data:	RPS-E1	
Fusing width (mm)	700	1,000
Voltage (volt)	400	400
Connected load (kW)	11	14
Length of heating zone (mm)	975	975
Heating power (kW)	10.5	13.5
Temperature max. (^{0}C)	200	200
Control zones	2	2
Speed (m/min.)	1 to 12	1 to 12
Pressure (N/cm^2)	0 to 50	0 to 50
Dimensions L x W x H (mm)	3,555 x 1,300 x 1,230	3,555 x 1,600 x 1,230
Weight (kg)	700	800

Particular attention was paid to the ease of use and maintainability. Hinged casings optimize access for cleaning or for replacing tubular heating elements („Quick change") or bearings.





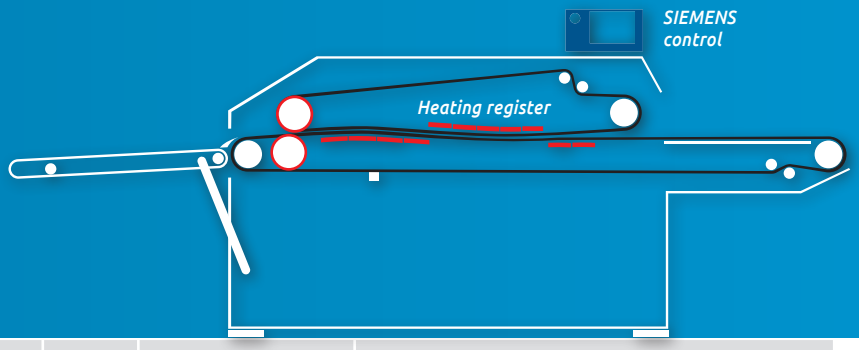
Fusing machine - continuous

RPS-E2
EVOLUTION

This system designed for efficiency offers, in addition to comfortable operation for conducive working and effective workflow, the latest generation of controls.
Heating modules with three registers and two control zones configured in terms of optimum energy efficiency maintain the temperature within the processing window, even under maximum load.

Comfort solution with intelligent control

Silicone coated pressure rollers with large diameters and separate deflection rollers keep the pressure constant over the complete belt width.



Illustrations might show special features

SIEMENS control
IM151CPU with TP700 Comfort

The machine is equipped with V2A casings at inlet and outlet, belt cleansing at top and bottom as well as an approx. 100 cm long loading belt for clean and safe operation.

The latest innovative SIEMENS comfort control stands for simple and intuitive operation by means of a large 7" touch screen.

The Ethernet and Profinet connections allow optimal integration within the network.

Technical data:	RPS E2		
Fusing width (mm)	1,000	1,400	1,800
Voltage (volt)	400	400	400
Connected load approx. (kW)	19	24.5	32.2
Length of heating zone (mm)	1,275	1,275	1,275
Heating power (kW)	18.2	23.4	31.2
Temperature max. (^{0}C)	200	200	200
Control zones	2	2	2
Speed (m/min.)	1 to 12	1 to 12	1 to 12
Pressure (N/cm^2)	0 to 50	0 to 35	0 to 18
Dimensions L x W x H (mm)	4,105 x 1,580 x 1,250	4,105 x 1,980 x 1,250	4,105 x 2,380 x 1,250
Weight (kg)	1,200	1,400	1,600

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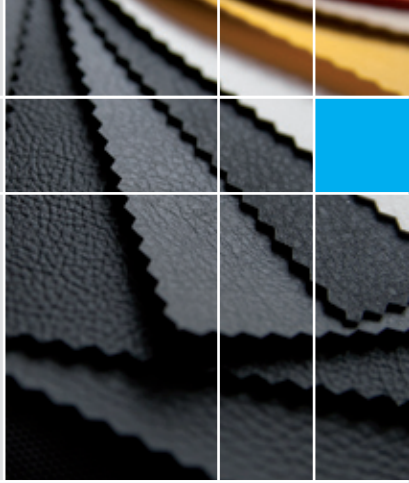
RPS-E2 Leather EVOLUTION

Fusing machine - continuous

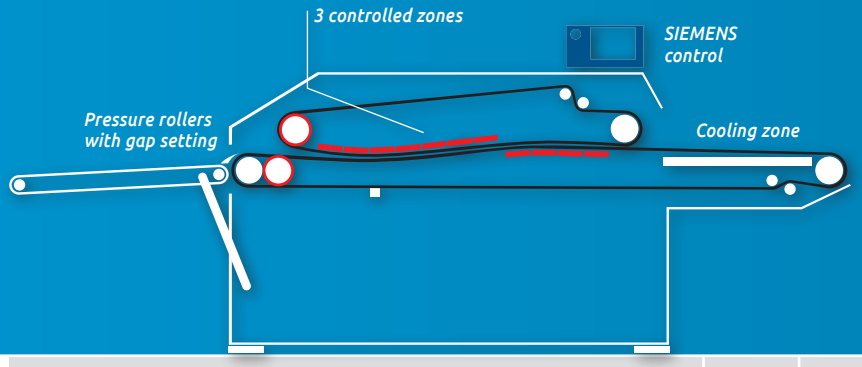


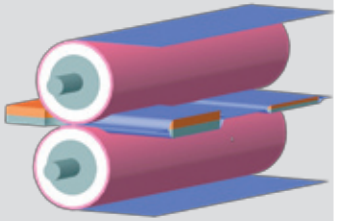
The system, solution oriented to the special tasks in processing leather and leather blanks, preserves this sensitive material through an intelligent temperature control.

The sensitive solution for leather applications

Illustrations might show special features

Heating areas are optimized such that only a short heating zone heats the leather minimally from the bottom preventing the leather surface from damage.

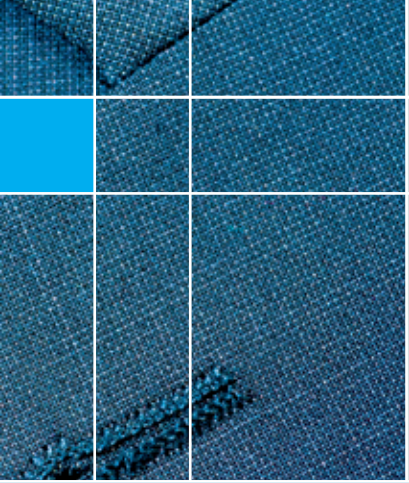




Silicone coated Multiflex rollers (optional) for particularly uniform pressure and gentle fusing by means of a larger press area.

Our pressure rollers, with precise gap settings especially designed for thicker foams and new three-dimensional knitted fabric for leather lamination, avoid a too powerful pressing of the three-dimensional material to prevent damage.
A section of the loading belt is equipped with cooling elements and can be connected to an external chiller keeping the once set temperature safe and constant.

Technical data:	RPS-E2 Leather		
Fusing width (mm)	1,000	1,400	1,800
Voltage (volt)	400	400	400
Connected load approx. (kW)	18.5	23.5	32
Length of heating zone (mm)	1,275	1,275	1,275
Heating power (kW)	18.2	23.4	31.5
Temperature max. (^{0}C)	200	200	200
Control zones	3	3	3
Speed (m/min.)	1 to 12	1 to 12	1 to 12
Pressure (N/cm^2)	0 to 50	0 to 35	0 to 18
Dimensions L x W x H (mm)	4,105 x 1,580 x 1,250	4,105 x 1,980 x 1,250	4,105 x 2,380 x 1,250
Weight (kg)	1,200	1,400	1,600



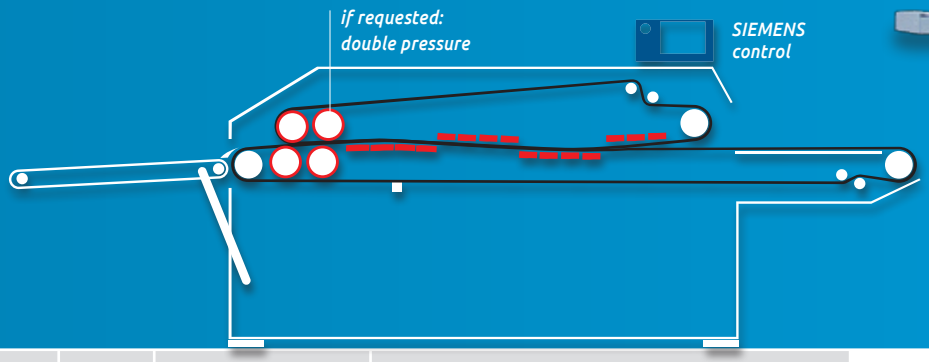
Fusing machine - continuous

RPS-E4
EVOLUTION

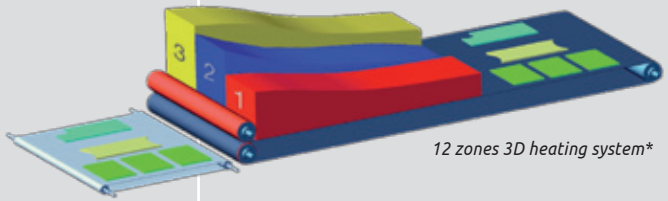
The RPS series is completed by this model with an extended heating system and higher heating power. Thus a total of four registers and four control zones are available to meet demanding fusing applications with top quality.

Perfected heating power for more efficiency

In combination with our own development of a 3D heating system, you achieve optimum quality and efficiency in fusing.



Illustrations might show special features



*12 zones 3D heating system**

**Working on three lanes simultaneously with different temperatures allows the possibility of fusing openly or sandwich.*
For each lane, the temperature profile can be controlled via 4 separately controllable zones. Thus, a total of 12 SPS controllable zones are achieved.

Technical data:	RPS-E4		
Fusing width (mm)	1,000	1,400	1,800
Voltage (volt)	400	400	400
Connected load approx. (kW)	24	30	40
Length of heating zone (mm)	1,635	1,635	1,635
Heating power (kW)	23.1	29.7	39.6
Temperature max. (°C)	200	200	200
Control zones	4	4	4
3D heating system (zones)	-	12	12
Speed (m/min.)	1 to 12	1 to 12	1 to 12
Pressure (N/cm²)	0 to 50	0 to 35	0 to 18
Dimensions L x W x H (mm)	4,275 x 1,580 x 1,250	4,275 x 1,980 x 1,250	4,275 x 2,380 x 1,250
Weight (kg)	1,500	1,700	2,000

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OPTIONS

Loading belts

Loading belt – the ergonomic workplace supplement

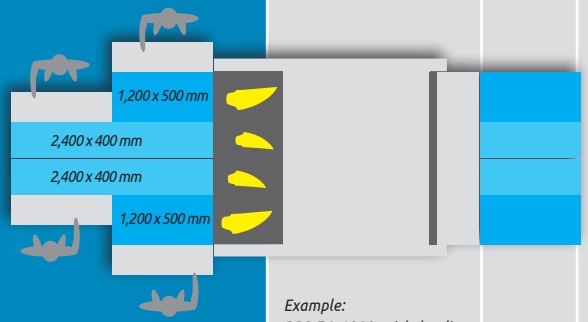
In order to increase efficiency and productivity in the fusing machine and to relieve the operators, the modern fusing machine can be upgraded with loading belts.

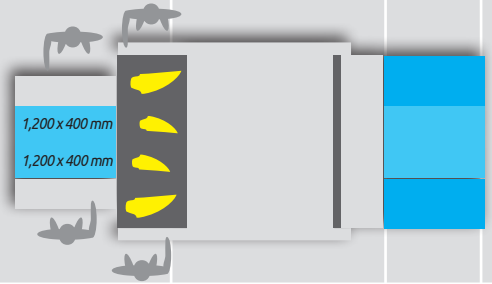
Illustrations might show special features

Loading belt:
Possible lane widths (W)
- 300 mm
- 400 mm
- 500 mm

Loading belts:
Possible lane lengths (L)
- 1,200 mm
- 2,400 mm

The big advantage of loading belts is the preparation of the parts to be fused on a stationary loading belt which can be started and stopped by each operator individually through toggle levers.



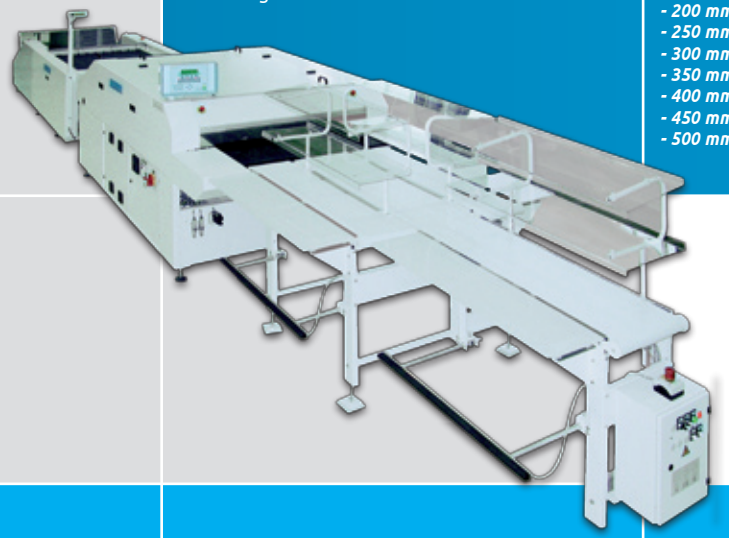


Our stacker system offers further relief for the operators. After a systematic loading in lanes of the parts to be fused, these parts can be stacked fully automatically after the fusing process.

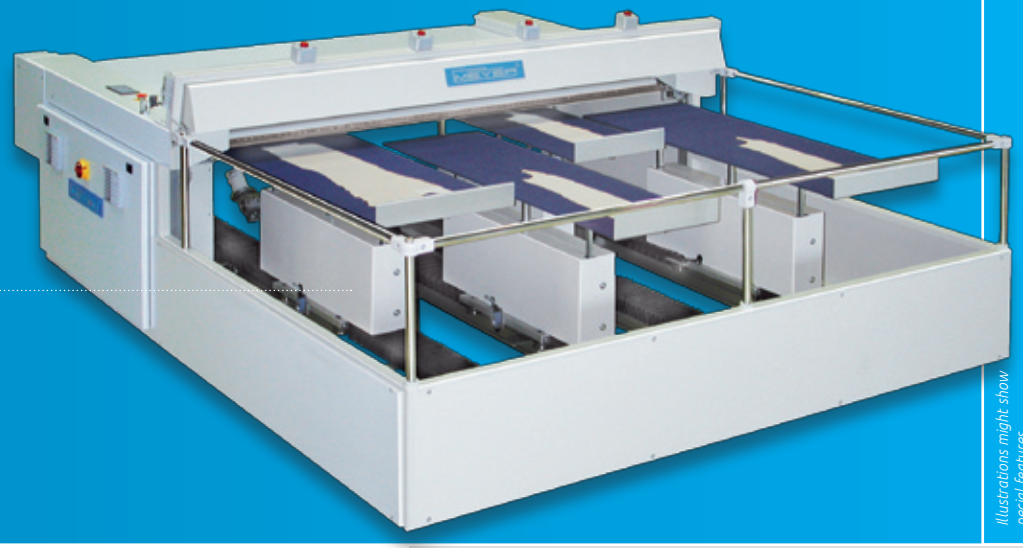
The practical solution of economic efficiency

Parts to be fused can be up to 1,650 mm long and for particularly wide parts it is possible to connect two neighboring lanes up to a maximum of 5 lanes.

The sum of lane widths adds up to total working width.



Stacker lines:
Possible lane widths (W)
- 200 mm
- 250 mm
- 300 mm
- 350 mm
- 400 mm
- 450 mm
- 500 mm



Illustrations might show pecial features

Technical data: M-AST version	M-AST 700	1000	1400	1800
Working width (mm)	700	1,000	1,400	1,800
Stacker lanes (number)	1 to 2	1 to 3	3 to 4	4 to 5
Stacking height max. (mm)	180	180	180	180
Voltage (volt)	400	400	400	400
Connected load (kW)	1.5	2.5	3.5	4
Compressed air (bar)	6	6	6	6
Dimensions L x W x H (mm)	2,395 x 1,180 x 1,100	2,950 x 1,480 x 1,100	2,950 x 1,880 x 1,100	2,950 x 2,280 x 1,100
Weight (kg)	250	300	450	510

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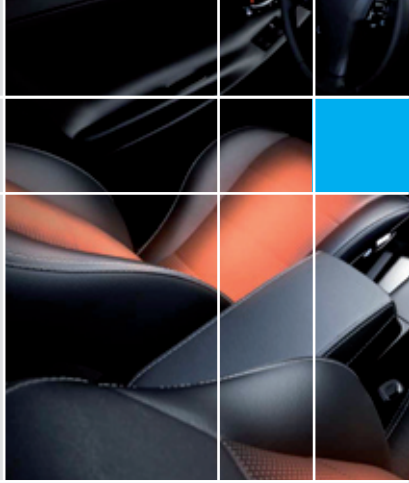
FUSING PRESSES

discontinuous



We solve particular tasks for thermo fusing by means of semi and fully automatic fusing presses. Almost all requirements and individual solutions can be customized in this scope.

Modular solutions for standardized tasks

Fusing press with modular extendable loading tray, bridge-type construction for high pressures (pict. shows two machines)

AHV-Bm

Technical data:	Type 1260	Type 1280	Type 1370	Type 1380	Type 1470	Type 1480	Type 1670
Press area (mm)	1,200 x 600	1,200 x 800	1,300 x 700	1,300 x 800	1,400 x 700	1,400 x 800	1,600 x 700
Pressure (N/cm^2)	0 - 9	0 - 7	0 - 7	0 - 6	0 - 7	0 - 6	0 - 6
Press force approx. (t)	8	8	8	8	8	8	8
Connected load approx. (kW)	19	24	22	25	24	25	27
Heating power approx. (kW)	16	21	20	23	22	23	25
Stroke (mm)	60	60	60	60	60	60	60
Temperature max. (^{0}C)	220	220	220	220	220	220	220

Illustrations might show special features

APV

Technical data:	Type 2525	Type 3530
Press area (mm)	250 x 250	350 x 300
Press force standard at 8 bar air (kN)	3.5	3.5
Standard cylinder diameter (mm)	80	80
Stroke (mm)	160	160

APM series

Compact, automatic press with two-hand operation optionally with heated bottom plate and exhauster

Technical data:	Type 5040	Type 7040	Type 1040	Type 8050	Type 1150
Press area (mm)	500 x 400	700 x 400	1,000 x 400	800 x 500	1,100 x 500
Pressure (N/cm^2)	0 - 7	0 - 5	0 - 3.5	0 - 3.3	0 - 2.5
Power consumption (kW)	2	3	3.5	3.8	5
Voltage (volt)	230	230	230	400	400
Weight (kg)	145	155	170	180	220

Compact vertical pneumatic press can be used as a laboratory or transfer printing press and can be individually configured as a cooling press, heating press, or molding press with special tool fixing device

Options and add-ons:		
Press force increased at 8 bar air (kN)	14	14
Stronger cylinder diameter (mm)	160	160
Extended stroke (mm)	160 (250)	160 (250)
Press plate electrically heated up to ^{0}C	250	250
Press plate electrically heated up to ^{0}C	400	400
Press plate connectable to tempering media (oil/water) up to ^{0}C	200	200

Bottom press plate	with silicone pad
Molding tool fixing device	on request

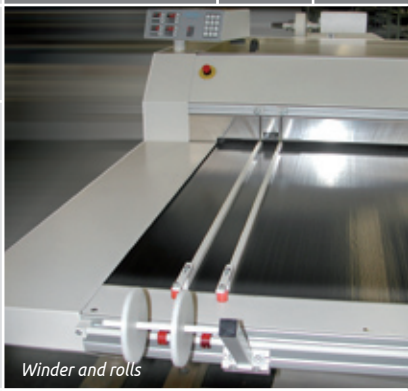
MASCHINENFABRIK HERBERT MEYER GMBH

OPTIONS

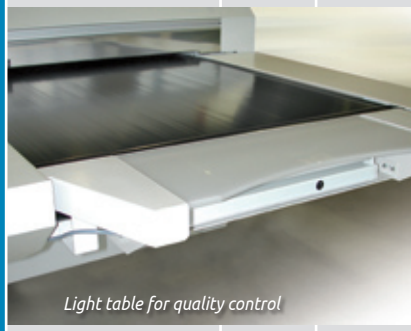
Established and proven options for higher productivity and comfort

Our in-house developed options increase safety and profitability while relieveing the operator as much as possible.

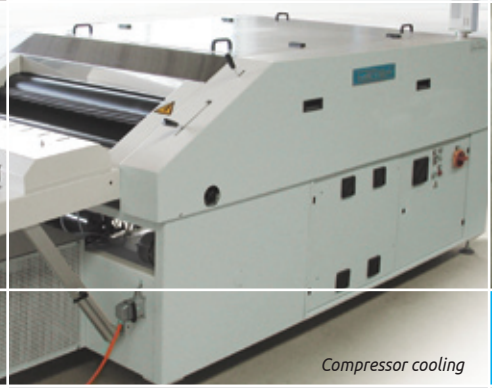
It is our goal to develop together with you the ideal and most efficient configuration for your fusing application. We take pleasure in comprehensively advising you – let us know your preferences.


Winder and rolls


Roll-off and winding systems


Light table for quality control


Stripping roller


Compressor cooling


Extensions of loading area, sideways hinged

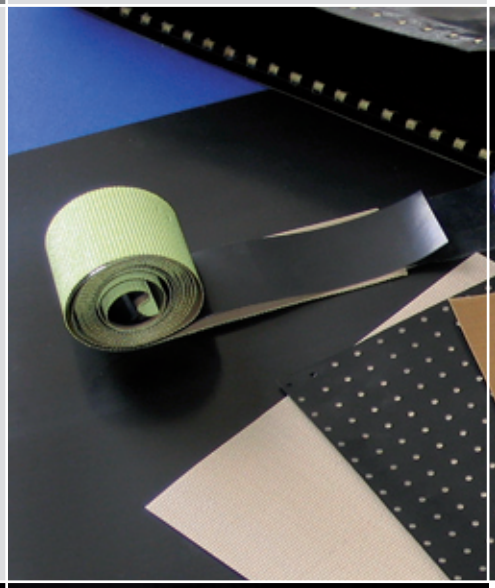
Illustrations might show special features

ACCESSORIES

Conveyor belts

- PTFE coated glass fabric
- PTFE coated aramid fabric
- Silicone coatings

Our decade long accumulated know-how is incorporated into the production and finishing process of our conveyor belts. Only top-quality materials are used which have been proven in elaborate test procedures. We take pleasure in comprehensively advising you regarding the selection of different thicknesses and surface requirements.



Cleaning and care

ME 600
Cleaning agent

Our gentle cleaning and care agents are adapted to our machines' requirements.

KSM 500
Chain lubricant

Welding unit

Version with thermostatic regulator at power plug

SG 55-180RG-L

Version with PID controller and timer

SG 55-180RG-A

Welding and bonding of PTFE coated conveyor belts in fusing machines or laminating lines demand very specific requirements for temperature control and endurance. The adjustable temperatures from 20° C to 450° C are electronically controlled.
Extensive insulation and optimized weight facilitate the handling.

Technical data:	SG 55-180RG-L	SG 55-180RG-A
Voltage (volt)	230	230
Heating power (W)	1,000	1,000
Temperature max. (°C)	450	450
Temperature accuracy	+	++
Material	red brass	red brass
Weight (kg)	3.4	3.4
Timer function	no	yes
Welding area (mm)	55 x 180	55 x 180

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System solutions for bonding technique for
- **Garment industry**
- **Textile industry** (textile lamination, powder coating...)
- **Technical textiles** (powder coating, impregnation...)
- **Automotive interior and acoustics**
- **Composites** (honeycomb sandwich sheets, fiber reinforced composites...)
- **Medical** (consolidate, calibrate, membrane foil coating...)

Maschinenfabrik
Herbert Meyer GmbH
Herbert-Meyer-Str. 1
92444 Rötz, Bavaria
Germany

Tel. +49 9976 208-0
Fax +49 9976 1510

info@meyer-machines.com
www.meyer-machines.com

Together we are able to configure your ideal machine concept during free initial trials. Visit our **Competence Center**.

We look forward to the challenge.