



Competence in Fusing

- ***RPS-L SERIES***
- ***RPS-E EVOLUTION***
- ***STACKER***
- ***LOADING BELTS***

Since the company MEYER was founded in 1949, we have been one of the most important manufacturers of special machines for bonding, coating, pressing and molding. This is also expressed by our slogan: Ideas that bond.

For several decades, Meyer produces innovative machinery such as fusing machines, heating presses, laminating lines and also large molding lines. Our satisfied customers all over the world are taken by our thorough knowledge and our innovative solutions.

Highest quality and delivery reliability are guaranteed with motivated employees as well as by using most modern machines for a high production depth and development tools such as 3D-CAD, CAM, E-CAD and ERP system.

Being a family business led nowadays by the third generation, flexibility is of course an important factor. We are gladly prepared to fulfil our customers' individual demands and requirements.

Trust in our experience

*Ideas that
bond*

Data:

- Foundation in 1949
- Production area: 12.000m²
- Employees: approx. 150

Sales markets:

- Garment manufacturers
- Industries of technical textiles, non-wovens, foams and foils
- Automotive suppliers - interior and acoustic

Products:

- Fusing machines
- Laminating machines
- Thermo-printing presses
- Hot-stamping presses
- Molding lines



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Ideas that bond

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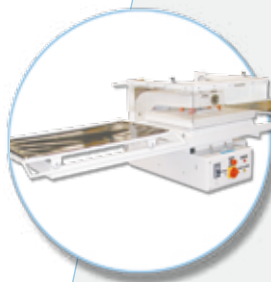
- Multiflex pressure rollers
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- APM, APV, AHV-Bm
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- Teflon cleaner ME 300
- Welding units



RPS-L SERIES

With the RPS-L series, we have for the first time succeeded in integrating our experience of the large MEYER high efficiency fusing machines into a so-called MINI version.



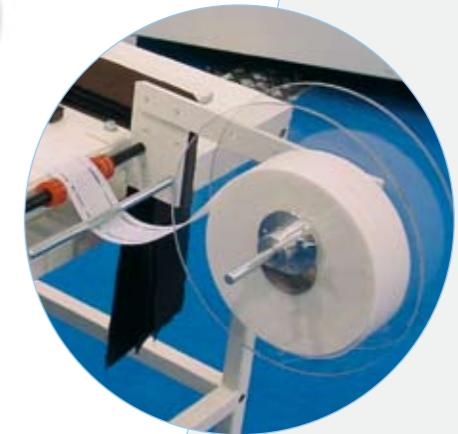
RPS-L 400 - RPS-L 600
with return belt

Quality proof

The strict German Committee of Experts for Textile and Clothing Machines has also honored this MEYER product with the Quality Proof for quality and safety. EU standards are of course also fulfilled.



RPS-L 400
with waistband fusing device

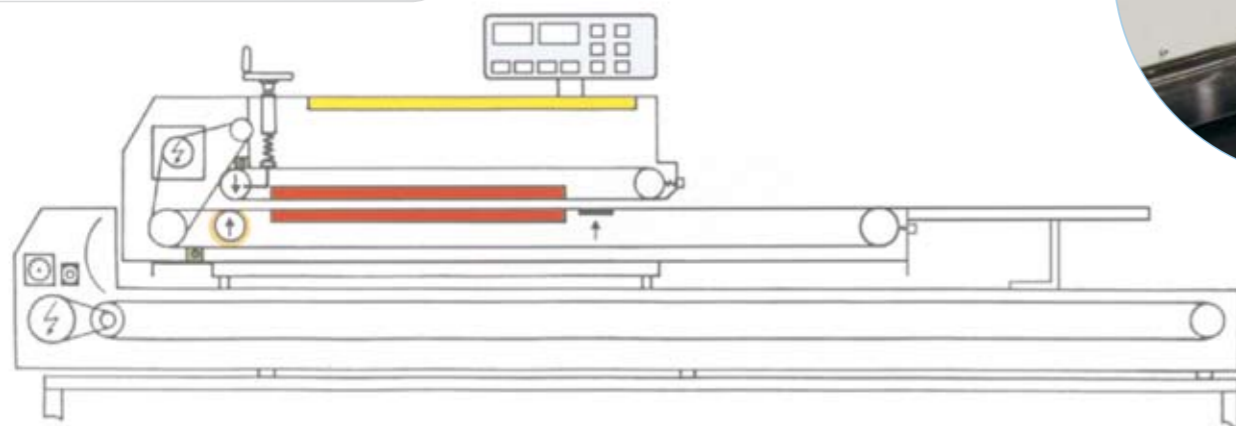


Heating system

The heating elements are connected with the heating plate over the whole area and thus obtain a uniform distribution of heat. The heating plate is flexibly hinged so that even heavy fabrics can be fused without any problems as set temperature does not drop. The extensive insulation is not only energy-saving but also protects the operators from heat.

Pressure generation

Pressure generation is effected mechanically and can be infinitely adjusted up to 50 N/cm² for all types of top cloths and interlinings. The silicone-coated pressure rollers assure a safe and gentle fusing.



Special equipment

Depending on the application and requirements, the MEYER RPS-L series can be equipped with a waistband fusing device and return belt. A stacker system is available for an increase of productivity. Special equipment such as carding and folding devices can be installed in next to no time.

Computer control

Modern control devices with large displays guarantee the maximum on easy operation and reliability. They can optimally be set and controlled by the personnel.

Teflon belts

The machine is open at one side which allows fusing of partial interlinings onto fabrics being wider than the heating zone. The endless Teflon belts have a secure forced guidance preventing any misalignment or tearing and thus assuring long durability. Belts can be changed within some minutes, if necessary.

Technical data		RPS-L 400	RPS-L 600
Fusing width	[mm]	400	600
Voltage	[Volt]	230	400
Connected load	[kW]	3,3	5,0
Consumption/hour	[kW]	2,5	4,0
Speed	[m/min]	1-9	1-9
Pressure	[N/cm ²]	0-50	0-35
Dimensions/weight			
Length	[mm]	1660	1660
Width	[mm]	890	1090
Height	[mm]	450	450
Weight	[kg]	140	180

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

RPS-L SERIES

RPS-E1 EVOLUTION

The **RPS-E1** is the compact and reasonably priced complement to the Evolution series which is successful in business for several years now.



Shirt fusing

For shirt fusing, the **RPS-E1** can be equipped so that collar parts can first be taken from the shelves and positioned onto an illuminated table for fault detection. The parts are then placed onto the extended conveyor belt. A compressor cooling cools down the collar under contact pressure on a separate cooling belt. The return belt transports the fused collars back to the operator where they are stacked.



RPS-E1 with stacker M-AST YC

The RPS-E1 can certainly be combined with a stacker in order to either increase productivity or to reduce the personnel.

Alternatively, the RPS-E1 can additionally be equipped with a return belt for easy loading and unloading of fused parts through the same operator.

Technical data

Working width	[mm]	700	1000
Voltage	[V/3/N]	400	400
Conneted load	[kW]	11	14
Heating length	[mm]	975	975
Heating power	[kW]	10,5	13,5
Temperature max.	[°C]	200	200
Temperature zones		2	2
Pressure, pneumatic	[N/cm ²]	50	50
Speed	[m/min]	1 - 12	1 - 12
Dimensions L x B x H	[mm]	3555 x 1300 x 1230	3555 x 1600 x 1230
Weight	[kg]	700	800

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

RPS-E1

The mature MEYER heating system

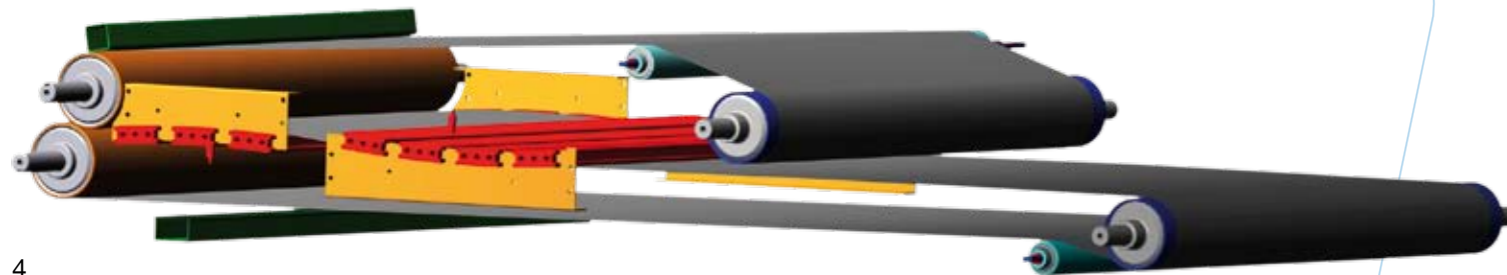
- Energy-saving
- Powerful
- Two control zones (PID)
- Hard-coated heating elements
- Long lasting tubular heating elements

Precise pressure rollers

- Large roller diameters
- Special silicone coating of both pressure rollers
- Even pressure distribution over the width
- Adjustable oscillating crank for pressure compensation
- Retrofit of double pressure system possible
- MULTIFLEX pressure rollers on request
- Pneumatic pressure generation
- Pressure infinitely adjustable

Operator and maintenance friendly

- Loading belt approx. 600 mm
- Large displays
- Fusing parameters can be set easily
- Diagnosis lamps for quick error detection
- Casing with lateral doors
- Fold-away covers
- Scrapers can be fixed for quick cleaning
- Reliable belt cleaning system
- Tubular heating elements with 'Quick-Change'
- Low-maintenance bearings, easily changeable



RPS-E2 EVOLUTION



Control:
Touchtronic 303



Ethernet



W-LAN



RS-232



- Remote access
- Web browser visualization
- Program management
- Password protection
- Error messages
- Multilingual
- Barcode scanner

The MEYER Touchtronic 303

is a modern control panel and stands for most convenient operation, reading and brilliant colours due to its bright 5.7" TFT Touch display with a graphic resolution of 320 x 234 pixel. Data-transfer with Office world can be carried out by means of ethernet interface either via TCP/IP or even via WLAN. Due to this revolutionary option, the control can be accessed via PC or PDA. This allows to monitor or even operate the machine. Simply a webbrowser is required. Data can be stored and called respectively via FTP. Pass words for different access authorisations guarantee necessary safety. Optionally, a barcode scanner can be connected for calling the corresponding program with valid fusing parameters. If requested, the current set parameters can be printed out with the optionally available printer.

Technical data		RPS-E2		
		1000	1400	1800
Fusing width	[mm]	1000	1400	1800
Voltage	[V/3/N]	400	400	400
Connected load	[kW]	19	24	32
Consumption	[kW]	~6	~8	~10
Compressed air supply	[bar]	6	6	6
Air consumption	[l/min]	1	1	1
Temperature max.	[°C]	200	200	200
Heating length	[mm]	1275	1275	1275
Heating power	[kW]	18,2	23,4	31,5
Control zones	[Zonen]	2	2	2
3D heating system	[Zonen]	-	-	-
Speed	[m/min]	1-12	1-12	1-12
Pressure	[N/cm ²]	0-50	0-35	0-18
Dimensions/weight				
Length	[mm]	3925	3925	3925
Width	[mm]	1580	1980	2380
Height	[mm]	1250	1250	1250
Weight	[kg]	1200	1400	1600

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

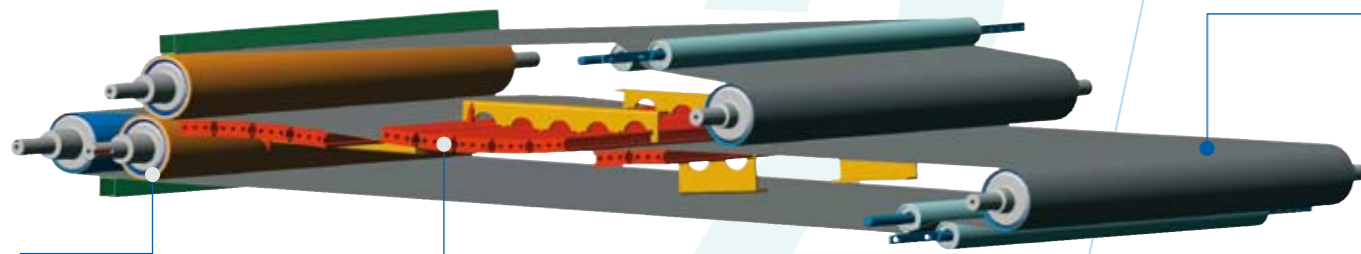
RPS-E 2

- An approx. 1 m long loading belt allows a very effective and convenient operation
- Heating system with 3 registers and 2 control zones
- Extremely energy-saving heating system
- Silicone-coated pair of pressure rollers with separate deflection roller for exact pressure
- Long lowerable cooling belt, adjustable for stacker system and return belt
- Belt cleansing device for top and bottom
- V2A casing at inlet and outlet
- TOUCHTRONIC control 303

Options

- Double pressure system
- Multiflex pressure rollers for the first pair of pressure rollers.
- Intermediate fusing roller with pneumatic pressure generation, adjustable at the SPS control
- Rotating strip-off device for top belt
- Suction device for cooling belt
- Return belt
- Shelves
- Extension elements for loading area, fixed at front and laterally hinged
- New TGL belts (endlessly welded Teflon glass laminate)
- Shorter loading belt for preparatory belts
- Barcode scanner for highest process security
- Printer for print-out of current set and actual values
- Additional special features on request

Easy-to-change endlessly woven belt



Large roller diameters for gentle pressure

Double pressure rollers as well as Multiflex rollers on request

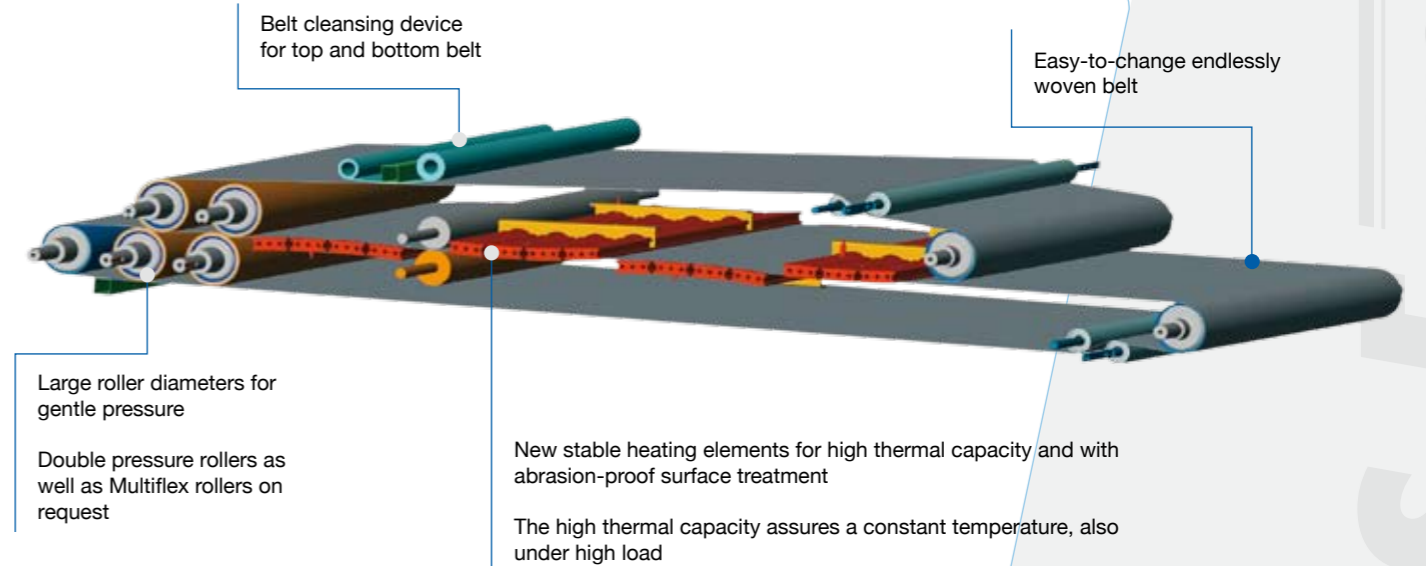
New stable heating elements for high thermal capacity and with abrasion-proof surface treatment

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

RPS-E4 EVOLUTION



Control:
Touchtronic 303



Belt cleansing device
for top and bottom belt

Easy-to-change endlessly
woven belt

Large roller diameters for
gentle pressure

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



Complete line

Meyer offers competent advice and individual as well as experienced solutions. Thus, a wide fusing machine can be optimally used in combination with loading belts. Individually manufactured shelf systems at the loading belts and at fusing machine's loading belt create an even more ergonomic workplace.

Well-known garment manufacturers have noticed the numerous advantages of such a complete system and equip-ped their fusing lines accordingly. It is also possible to retrofit and optimize an existing fusing machine.

Technical data

		RPS-E4		
Fusing width	[mm]	1000	1400	1800
Voltage	[V/3/N]	400	400	400
Connected load	[kW]	24	30	40
Consumption	[kW]	~8	~10	~13
Compressed air supply	[bar]	6	6	6
Air consumption	[l/min]	1	1	1
Temperature max.	[°C]	200	200	200
Heating length	[mm]	1635	1635	1635
Heating power	[kW]	23,1	29,7	36,3
Control zones	[Zonen]	4	4	4
3D heating system	[Zonen]	-	12	12
Speed	[m/min]	1-12	1-12	1-12
Pressure	[N/cm ²]	0-50	0-35	0-18
Dimensions/weight				
Length	[mm]	4275	4275	4275
Width	[mm]	1580	1980	2380
Height	[mm]	1250	1250	1250
Weight	[kg]	1500	1700	2000

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

RPS-E 4

Same design as RPS-E2, additionally equipped with

- Extended heating system with 4 registers and 4 control zones
- Increased heating power
- Top belt cleansing device can be rolled on for particularly gentle cleansing

Options

- Double pressure system
- Multiflex pressure rollers for the first pair of pressure rollers.
- Intermediate fusing roller with pneumatic pressure generation, adjustable at the SPS control
- Rotating strip-off device for top belt
- Suction device for cooling belt
- Return belt
- Shelves
- Extension elements for loading area, fixed at front and laterally hinged
- New TGL belts (endlessly welded Teflon glass laminate)
- Shorter loading belt for preparatory belts
- 3D heating with 3 lanes and a total of 12 control zones
- Barcode scanner for highest process security
- Printer for print-out of current set and actual values
- Additional special features on request

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 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.

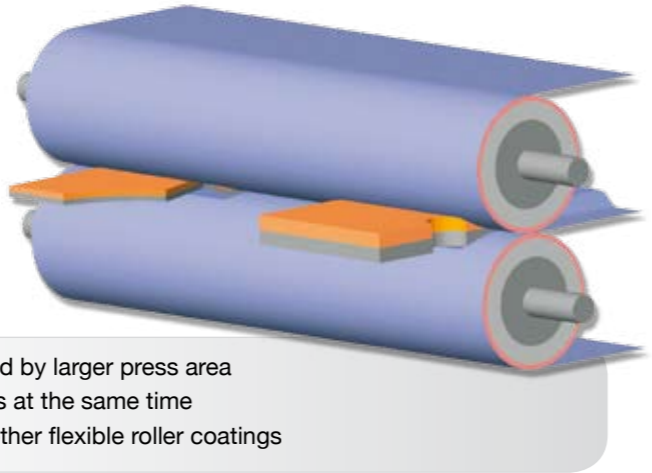
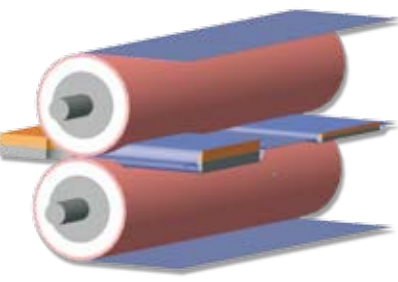
The lanes are divided according to loading belts and stacker system. For each lane, the optimal fusing temperature can be set. The temperature range of each lane is controlled by means of four each separate zones. This results in a total of 12 zones which are controlled via the modern SPS control.

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

Options

Multiflex pressure rollers

Multiflex pressure rollers consist of an especially developed multi-layer silicone compound. This assures a particular uniform pressure and considerably larger press area compared to hard pressure rollers.

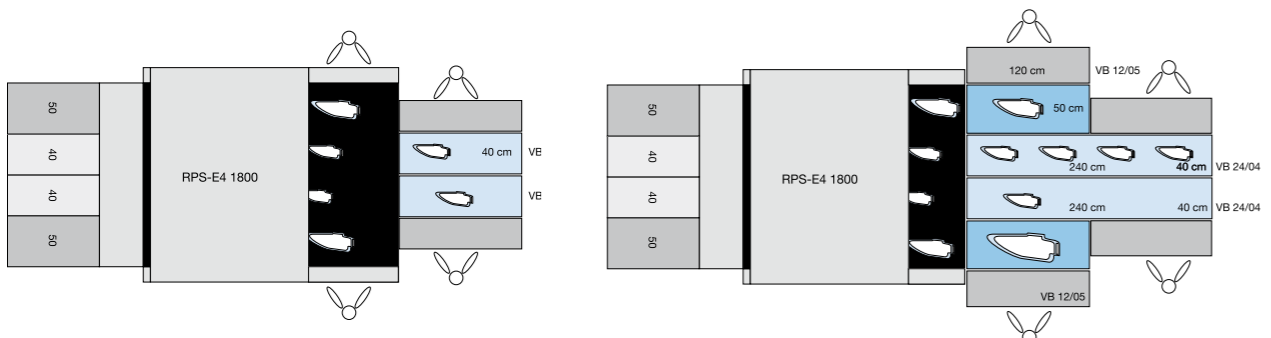


Advantages

- Especially gentle fusing caused by larger press area
- Fusing of thick and thin fabrics at the same time
- Long durability compared to other flexible roller coatings

Loading belts

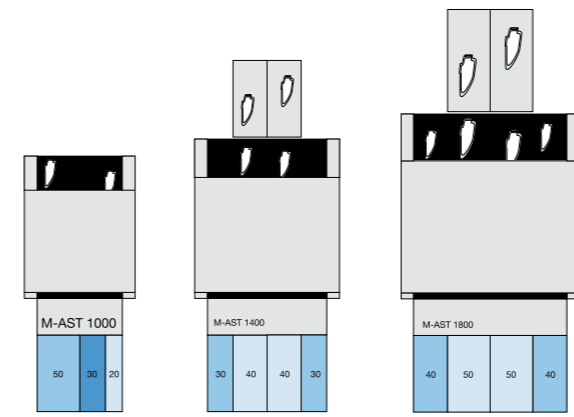
Meyer offers numerous loading belts at different lengths and widths. The loading belts are positioned in front of the fusing machine. In particular when using wide fusing machines it is possible to create ergonomic workplaces considerably increasing productivity. The loading belt can be started and stopped by each operator individually by means of toggle levers. So it is possible to load the fusing parts directly onto the loading belt being at standstill. Another advantage is that the operators do not have to work directly at the hot fusing machine.



M-AST Stacker System

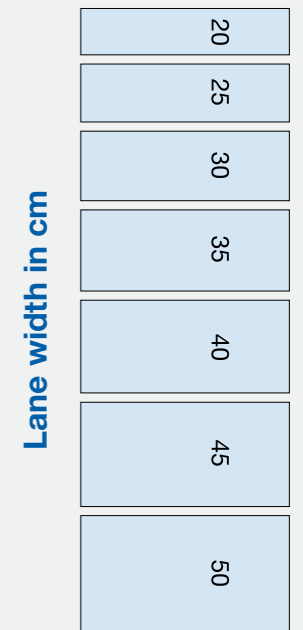
*The economical complement for the modern fusing machine
Stacker system for up to 5 lanes*

- The MEYER M-AST Stacker System is the ideal complement for the modern fusing machine. By using a stacker system, waiting times and operators are decreased. Small and large parts succeeding each other can be stacked.
- The fusing parts can be up to 1,650 mm long.
- As the stacker system works automatically, fusing does not depend on operator's unloading speed.
- The MEYER M-AST Stacker System is available in lane widths of 20, 25, 30, 35, 40, 45 and 50 cm. A maximum of 5 lanes can be combined.



- For particularly wide fusing parts, it is possible to connect two neighboring lanes. Example: For fusing of wide coat parts, the 50 cm and the 30 cm wide lanes can be connected in order to have a lane of 80 cm width.
- If the maximum stacking height of 200 mm is reached, a light signal shows the operator to empty the stacker lane.

Technical data		M-AST 1000	M-AST 1400	M-AST 1800
Working width	[mm]	1000	1400	1800
Stacker lanes		1, 2 oder 3	3 oder 4	4 oder 5
Voltage	[V/3/N]	400	400	400
Connected load	[kW]	1,5	3,5	4
Compressed air	[bar]	6	6	6
Dimensions/weight				
Length	[mm]	2950	2950	2950
Width	[mm]	1480	1880	2280
Height	[mm]	1100	1100	1100
Weight	[kg]	300	450	510



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

Presses

Although continuous fusing machines have been the first choice in the garment industry throughout the last few years, there are still special applications and situations for which a press is useful.

Especially in case pressure is required over the complete heating time / fusing time or if special positioning aids are necessary, a press is recommendable.

Meyer offers a great variety of different fusing presses which can be optimally adapted to our customers' individual requirements.

APM

The **MEYER APM table fusing and transfer-printing press** is a compact, fully-automatic press. Numerous options such as two-sided loading trays, top and bottom heating systems or suction devices increase productivity and extend the various application possibilities.



Technical data		APM 5040	APM 7040	APM 1040	APM 8050	APM1150
Press area	[mm]	500 x 400	700 x 400	1000 x 400	800 x 500	1100 x 500
Pressure	[N/cm ²]	7,0	5,0	3,5	3,3	2,5
Electric consumption	[kW]	2,0	3,0	3,5	3,8	5,0
Voltage	[Volt]	240	240	240	400	400
Weight	[kg]	145	155	170	180	220

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

APV



The APV is a small vertical transfer-printing press. As version APV-RT with revolver table, productivity can be increased essentially. During press process, the machine is loaded and the fused parts cool down for approx. 2 cycles.

AHV-Bm



The AHV-Bm is a larger fusing press with two loading trays and hydraulic pressure generation. The stable bridge construction allows high pressures at uniform pressure application over the complete press area. Possible press plate dimensions are, for example, 1,400 x 800 mm or 1,300 x 700 mm.

Accessories



Conveyor belts

Original MEYER conveyor belts are perfectly adapted to the fusing machine and manufactured by experienced employees. Meyer only uses raw materials of the highest quality. An extensive quality check guarantees that only belts of first grade quality are supplied to our customers.

Depending on the application, different materials are recommended:

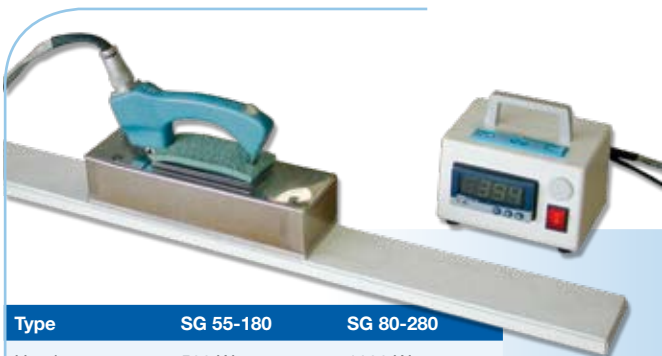
- PTFE-coated glass fabric
- PTFE-coated aramide fabric
- Silicone coatings

These materials may also be perforated or punched or coated with a self-adhesive medium at one side. Most materials are available in different thickness and surfaces ranging from coarse to smooth. Meyer is at your service for an advice.



ME 300

Cleansing and maintenance spray for Teflon belts and cloths. Typical adhesive residues sticking to the conveyor belts are removed without any problems. At the same time, new soiling is prevented to a certain extent. This specially developed cleaner ME 300 is very effective without doing harm to the sensitive silicone pressure rollers and is most suitable for regular maintenance.



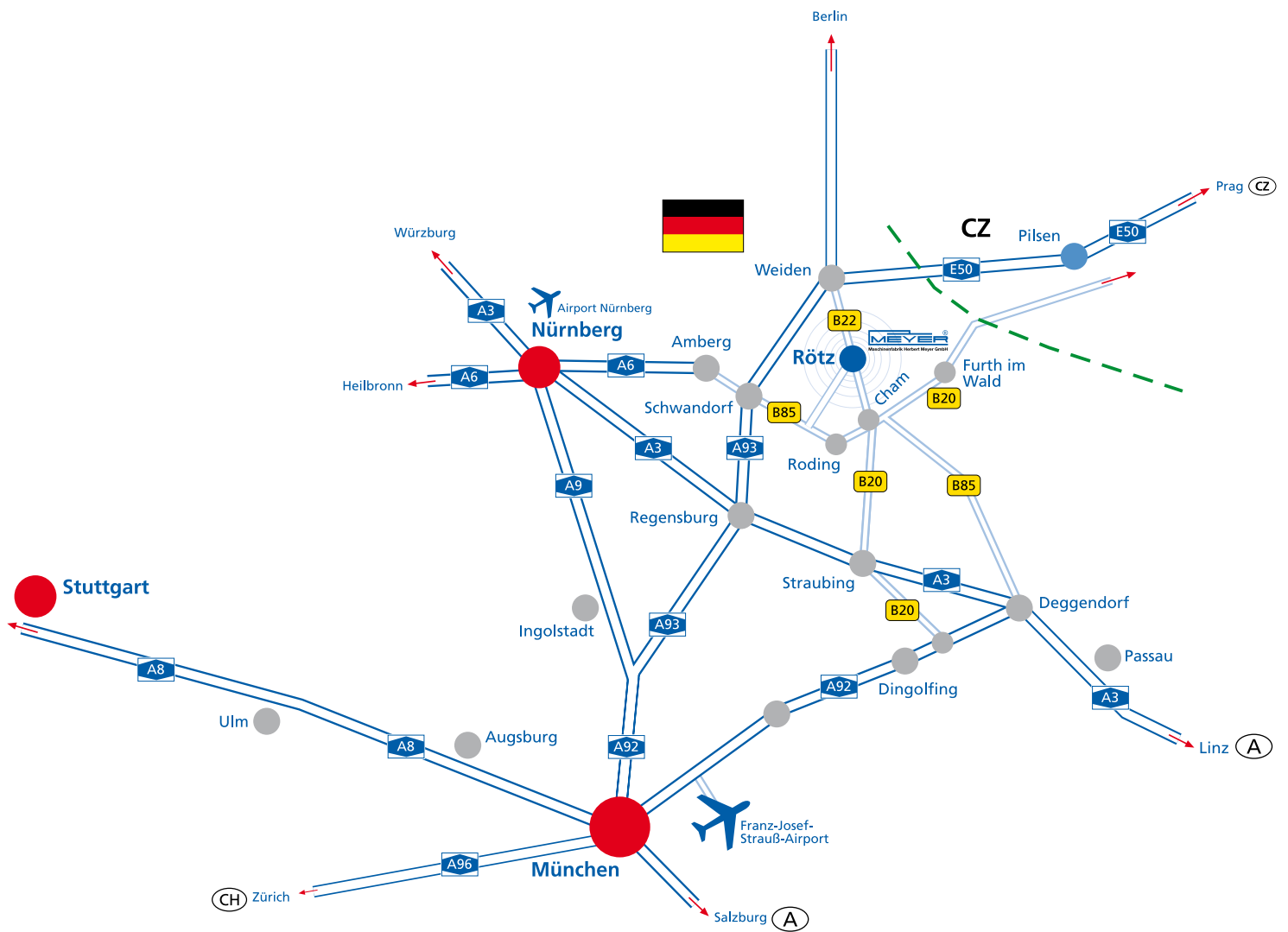
Welding units

The MEYER welding unit has been specially developed for welding or bonding at high temperatures of approx. 400° C. It is most suitable for welding of fusing machines' conveyor belts. Set temperatures ranging from 20° C - 450° C are controlled by means of an electronic controller with large digital display. An integrated timer with acoustic signal facilitates keeping to exact welding time.

Type	SG 55-180	SG 80-280
Heating power	500 W	1600 W
Temperature	up to 450°C	up to 450°C
Voltage	230 V ~/50 Hz	230 V ~/50 Hz
Welding area	55 x 180 mm	80 x 280 mm

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

ACCESSORIES



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