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International Conveyor Equipment & Trading

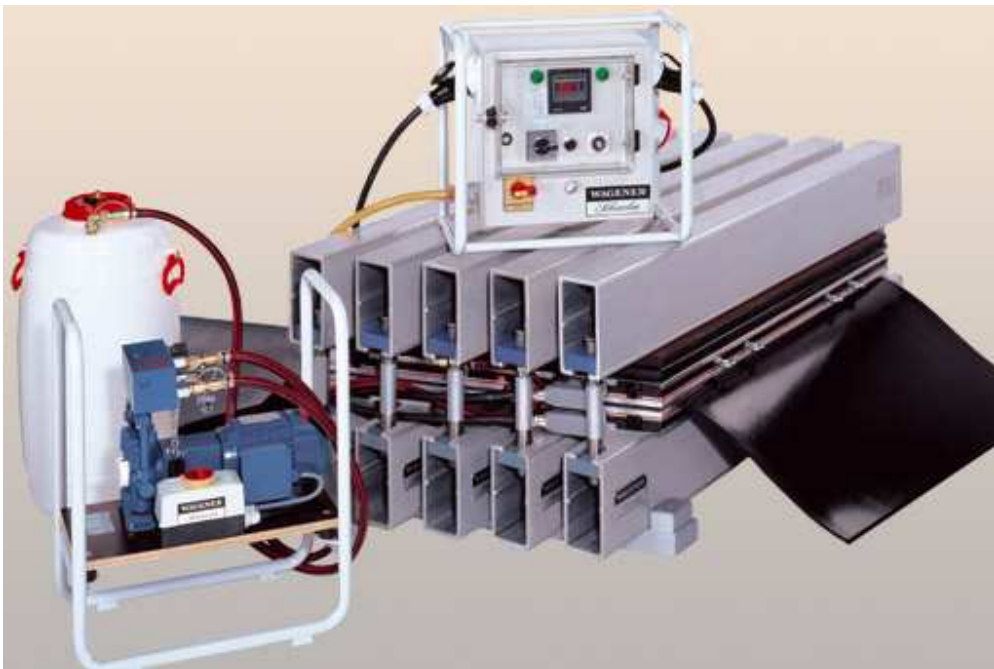
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Vulcanizing Press Series EMU



by **ICE-Trade** ®



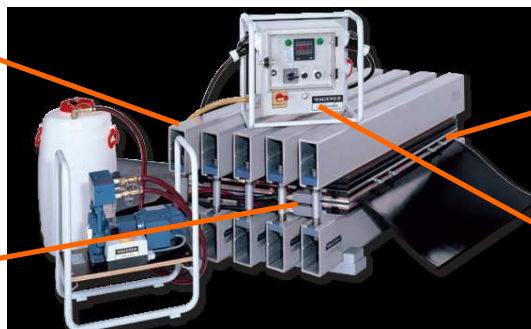
Components of the Vulcanizing Press EMU



1



2



3

4





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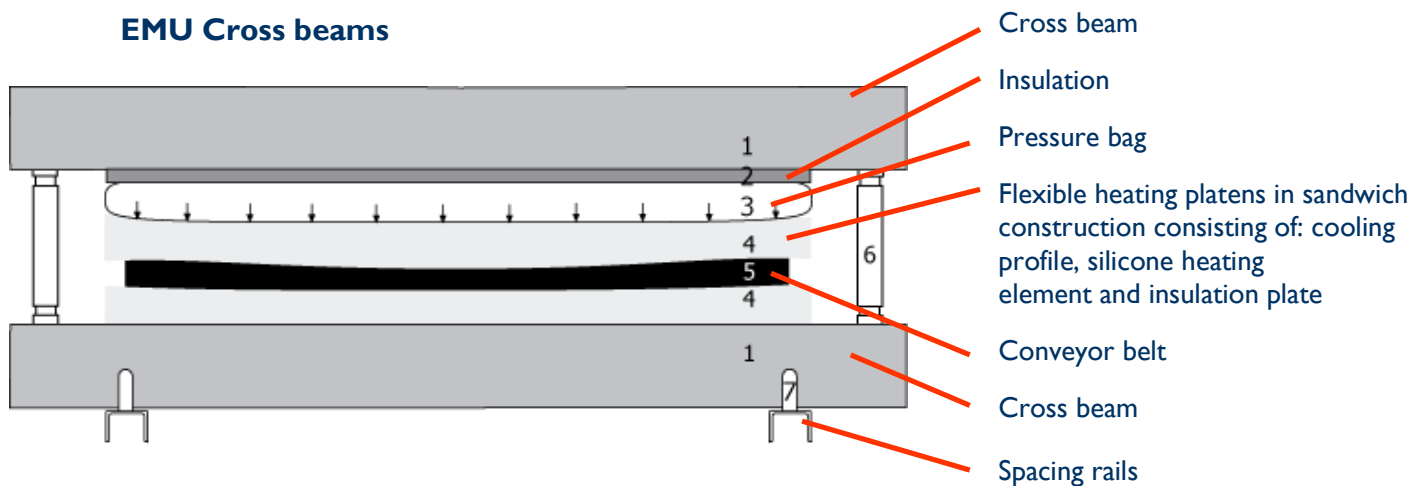
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All vulcanizing presses are manufactured to customer specifications for all belt widths, splice lengths, combinations, voltages, configurations, etc.

- **Cross Beams**
Light cross beams made of aluminum alloy
- **Pressure system**
Surface hydraulics by means of pressure bags. Pressure is applied evenly over the entire splice area via liquid pressure bags.
- **EMU-Type heating platens**
flexible heating platens in sandwich construction, consisting of: cooling profile, silicone heating element and insulation plate.
- **Electronic Control Box with LED Display**
with connecting cables (number and type depending on

EMU Cross beams



Pressure System „Surface Hydraulics“

Uneven splicing surfaces, as for example partially worn conveyor belts, are compensated so as to produce uniform pressure over the entire splicing surface.

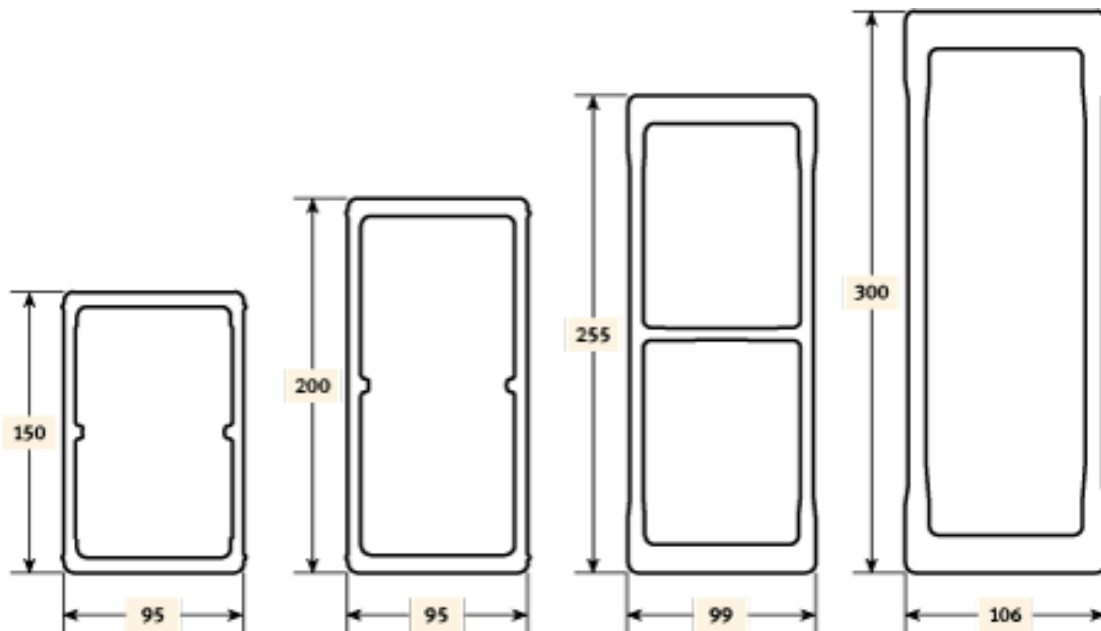


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Available Sizes of Profiles for EMU Cross Beams



Pressure System „Air“

Pressure system with surface hydraulic via pressure bag

- sturdy rubber pressure bags with aramide reinforcement
- available in rectangular shape, rhombic 16° 42' or 22°
- uniform pressure distribution by means of the surface hydraulic
- air pressure is used as a pressure medium
- surface pressure up to max. 70 N/cm² (100 psi)

Air Control Box

- surface pressure up to max. 70 N/cm² (100 psi)
- with safety valve and pressure gauge

Pressure System „Liquid“

Motor Pump (portable), Type MPT

- pressure medium: water/glycol mixture
- capacity: 9 l/min
- empty weight: 25 kg
- tank size (30 or 50 l) available
- pressure range: 70-140 N/cm² (100-200 psi)
- with safety valve and pressure gauge
- complete with tubular frame



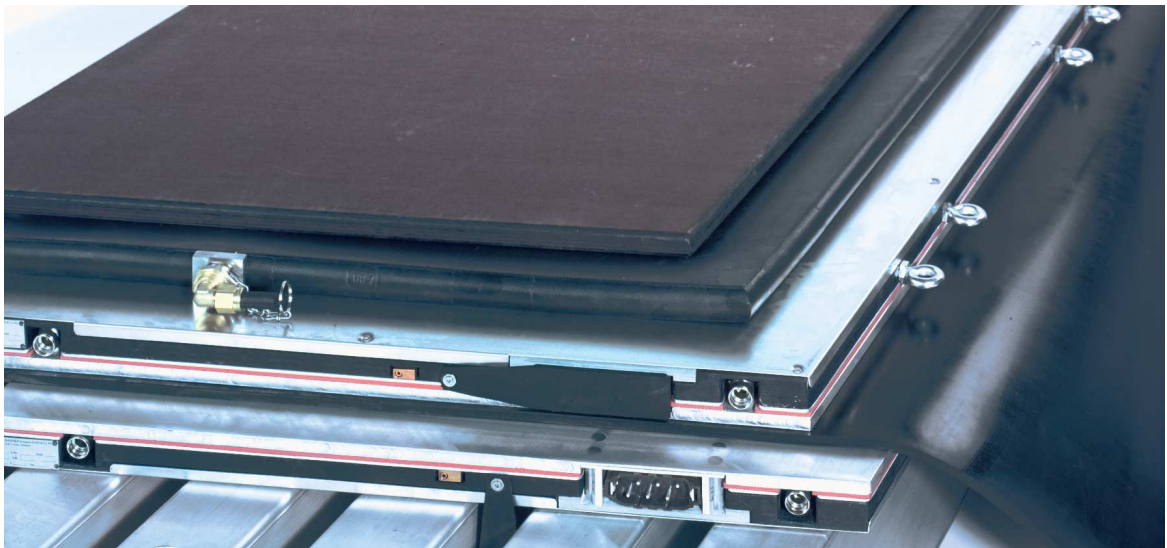
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Motor Pump Type MPF (cart-type)

- pressure medium: water/glycol mixture
- capacity: 15 l/min
- weight empty: 80 kg
- tank volume: 100 l
- pressure range: 70-140 N/cm² (100-200 psi)
- with safety valve and pressure gauge
- also suitable for draining the pressure bag
- complete with chassis on tires
- 400 volts, 50 c/s (other voltages on request)
- 100 l tank available (portable without pump)



Heating Platens

Heating Platens Type EMU

- flexible heating platens in sandwich construction consisting of cooling profile, silicone heating element and insulation plate
- available in rectangular shape, rhombic shape 16°/42' or 22°
- low-weight of the heating platens (approx. 30 kg/0,5 m²)
- suitable for either air or water cooling
- robust, flush fitting electrical connections (up to 500 V, 6 poles) with plug locking device and protective cover
- quick heating up time at a heating capacity of approx. 6,5 kW/m²
- quick cooling down time by means of integrated cooling channels.
Cooling medium water 20° C
- optimum pressure and temperature distribution
- Minimum temperature tolerance over the entire heating surface



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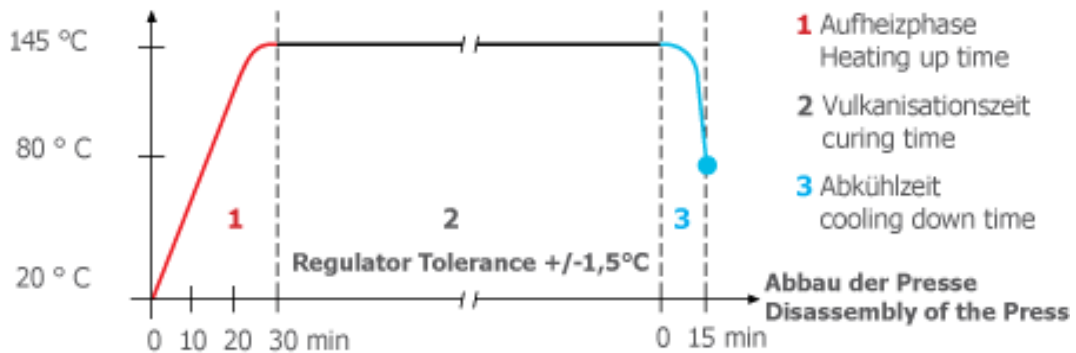
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Electronic Control Box

Regelkurve / Regulating Curve

Temperatur / temperature



*Aufheizzeit ca. 30 Min.
* Aufheiz- und Abkühlzeit sind abhängig von Fördergurtqualität und -dicke
* Abkühlzeit ungefähr 12-15 min. bei Verwendung von Wasserkühlung

*heating up time approx. 30 min.
*heating up and cooling down time depends on conveyor belt type and thickness
*cooling down time approx. 12-15 min. using water cooling

Electronic Control Box with LED Display

- the number and type of control boxes depends on the number of heating platens used, one current output is required for each heating platen
- electric connections as per CEE Standards
- electronic temperature control is regulated by means of thermo-couple PT 100 in the heating platens
- exact temperature control with digital temperature display of the actual value
- quick and simple programming of the electronic temperature thermostat
- the regulator tolerance is only approx. 1% of the set value (e.g.: at 145° C, tolerance approx. 1.5 °C)
- optional: control box with solid state control or timer



Typ	Input	Output
EHS 16 2 E..	I input: 400 V, 32 A	2 outputs, 16 A
EHS 16 4 E..	I input: 400 V, 63 A	4 outputs, 16 A
EHS 32 2 E..	I input: 400 V, 63 A	2 outputs, 32 A

Wagener Schwelm

..... the safety of a good splice.

Please contact us if you need further information.