



MLT GROUP

Conveyor Solutions Expert

VULCANIZING WATER BAG PRESS



Conveyor belt splices / Heavy Duty

CE



VULCANIZING WATER BAG PRESS

A modular concept for greater flexibility



Historical knowledge

MLT, Vulcanizing presses manufacturer since 1986.

A French manufacturer to ensure the quality of each component and optimize the longevity of your investment.

Vulcanizing water bag press is in accordance with:

- Directive Machines 2006/42/CE
- Directive CEM 2014/30/UE

To the following European standards:

- NF EN ISO 12100
- EN 60204-1 - Electrical equipment



A modular concept for greater flexibility

A fully modular range enables multiple combinations to be made, depending on the length of the your connection.



The assurance of after-sales service

The main components of your press are available as spare parts.



Choose your vulcanizing press simply*

	Heat length in mm (modules)	Visuals	Belt width (mm)					
			800	1000	1200	1400	1600	1800
STANDARD RANGE	525 (525 mm)		4711209	4711167	4711098	4711186		
	700 (2x350 mm)		4711211	4711169	4711044	4711188	4711199	
	875 (525 + 350 mm)			4710966	4711175	4711190	4711201	
	1050 (2x525 mm)			4711053	4710873	4711180	4711095	4711042
	1400 (4x350 mm)				4711062	4711061	4711193	4711048
	1575 (3x525 mm)				4711110	4711182	4711195	4711056
	1750 (2x525 + 2x350 mm)				4710867	4711184	4711197	4711204

*Complete press, ready for use

Can't find your press in our standard range ?

MLT presses can be customised to meet your requirements up to 3200 mm, rhomboide or rectangular. Please contact us for further information.

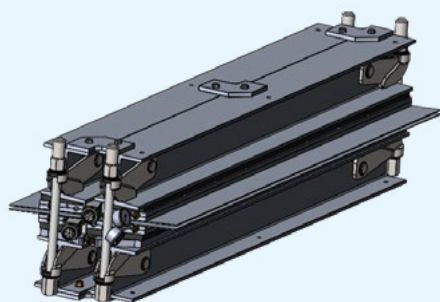
VULCANIZING WATER BAG PRESS

Vulcanizing and repairing for heavy duty belts

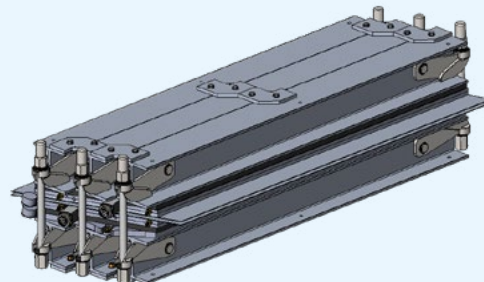
ADVANTAGES

- Light alloy in high quality shielding aluminium.
- Totally modular.
- Fast vulcanizing and cooling.
- Shielded heating resistors allowing a fast, homogeneous and reliable temperature rise.
- Temperature up to 155°C (302°F) reached in 20min.
- Composed of units with sizes 350 or 525 mm (13^{25/32} or 20^{43/64} inch) in aluminium, allowing a lower weight
- Pressure perfectly homogeneous until 14 bars (203 PSI).
- Our water bags (MLT technology) are designed and manufactured in our factory in France.

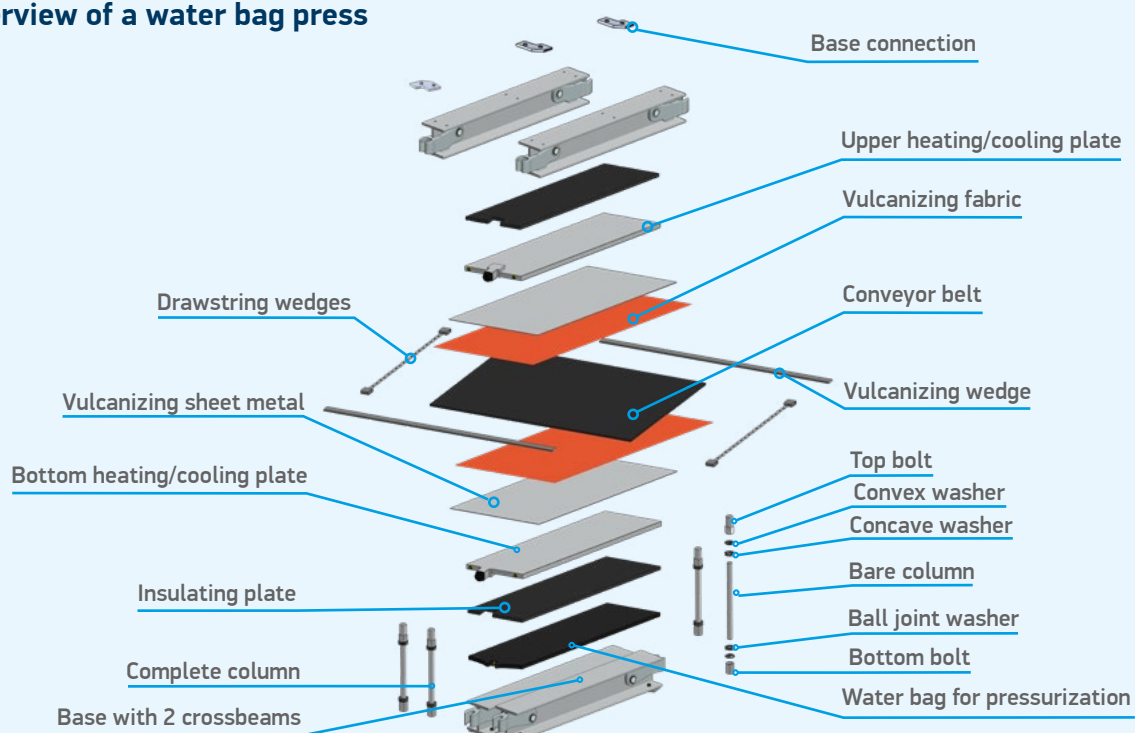
Module 350 mm



Module 525 mm



overview of a water bag press



OVERVIEW OF A WATER BAG PRESS



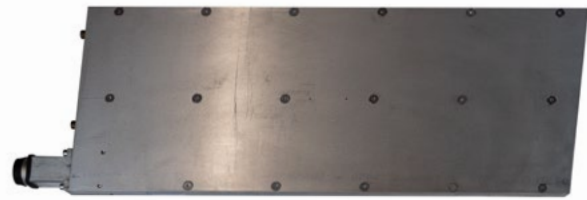
Heating and cooling plate

Rhomboid heating plate with integrated cooling

- Angle of 18,5° or 1/3 of the belt an angle
- Water cooling system
- Weight and size identical a standard plate

Technical data

Length of heating plate		Thickness of heating plate
mm	inch	
900	35 ^{7/16}	30 mm (1 ^{3/16} inch)
1100	43 ^{5/15}	
1300	51 ^{3/16}	
1500	59 ^{1/16}	
1700	66 ^{59/64}	
1900	74 ^{51/64}	



Rhomboid heating plate with integrated cooling

Table of electric consumption and electrical power per plate:

Heating plate length		Module width		Power in kW	Amperage 400V / phase
mm	inch	mm	inch		
900	35 ^{7/16}	x350	13 ^{25/32}	3,48	5,0
		x525	20 ^{43/64}	5,48	7,9
1100	43 ^{5/15}	x350	13 ^{25/32}	4,20	6,1
		x525	20 ^{43/64}	6,39	9,2
1300	51 ^{3/16}	x350	13 ^{25/32}	4,92	7,1
		x525	20 ^{43/64}	8,04	11,6
1500	59 ^{1/16}	x350	13 ^{25/32}	5,64	8,2
		x525	20 ^{43/64}	8,76	12,7
1700	66 ^{59/64}	x350	13 ^{25/32}	6,36	9,2
		x525	20 ^{43/64}	9,86	14,2
1900	74 ^{51/64}	x350	13 ^{25/32}	7,08	10,2
		x525	20 ^{43/64}	10,95	15,8



Insulation plates

Insulation plates reduce heat loss and prevent heat from being transmitted to the press cross members and water bags.

Technical data

Length of insulation plates		Thickness of insulation plates
mm	inch	
900	35 ^{7/16}	22 mm (13/16 inch)
1100	43 ^{5/15}	
1300	51 ^{3/16}	
1500	59 ^{1/16}	
1700	66 ^{59/64}	
1900	74 ^{51/64}	





Water bags

Our **water bags** are manufactured in our factory in **France**. Their design allows a uniform pressure to be applied to the entire surface to be vulcanized. The supply hose may be disconnected for a faster and safer connection.



Water consumption per water bag:

		Table of water consumption (L) with 12 bars	
Water bag		350 mm (13 ^{25/32} inch)	525 mm (20 ^{43/64} inch)
mm	inch		
900	35 ^{7/16}	3,5	5,25
1100	43 ^{5/16}	4	6
1300	51 ^{3/16}	4,5	6,5
1500	59 ^{1/16}	5	7,5
1700	66 ^{59/64}	5,5	8
1900	74 ^{51/64}	6	8,75

Technical data

Length of water bag		Thickness of water bag
mm	inch	
900	35 ^{7/16}	25 mm (1 inch)
1100	43 ^{5/16}	
1300	51 ^{3/16}	
1500	59 ^{1/16}	
1700	66 ^{59/64}	
1900	74 ^{51/64}	



Electrical control box

Equipped with an emergency stop button, breaker, differential switch, and indicator 3 phases at 380V.



Regulated control box (automatic operation):

This control box version can regulate temperature and the vulcanizing time, it can show the temperature on digital screens (require PT100 probe built into the plate).

Available with 4 (50A) or 6 (80A) outputs



Hydraulic electric pump with 2 functions (pressurization and cooling)



- The electric pump is used to connect **up to 6 water bags**.
- The motorization system allows pressure to be built up in all the water bags in less than **3 minutes**.
- After vulcanizing, it cools the heating elements in less than **20 minutes**.
- Tank capacity: **50L**.
- Pump operates on **220 V**.

SPOT REPAIR



Simple and effective repair

Our **spot repairs** are made **in France** with high-strength aluminium, for belt widths up to 2200 mm. This technology offers **excellent robustness**, while being easy to use thanks to its low weight.

A screw with a circular plate at the end applies pressure to **the heating plates**. When tightening with a **torque spanner**, the operator chooses the pressure to be applied, depending on the type of belt, which can be **up to 6 bar**.

This is more than enough for this type of **repair on textile or metal belts**.

Our **heating plates** are also made in aluminium and measure 250x350 mm. Each is equipped with a 2 m power cord that plugs into a 220 V socket.

They have been factory set to a temperature of 145 °C, but this can be adjusted using a screwdriver (± 10 °C).

We also systematically provide a pair of **dial thermometers**.



Duraluminium clamp





Elements you need for your spot repair

Complete set

Clamp, heating plates, dynamometric spam and dial thermometer

Belt width, mm	Reference
800	4720148
1000	4720001
1200	4720149
1400	4720150
1600	4720151
2000	4720152

Clamp

Belt width, mm	Clamp opening, mm	Weight, kg
800	400	30
1000	500	35
1200	600	41
1400	700	47
1600	800	52
2000	1000	68

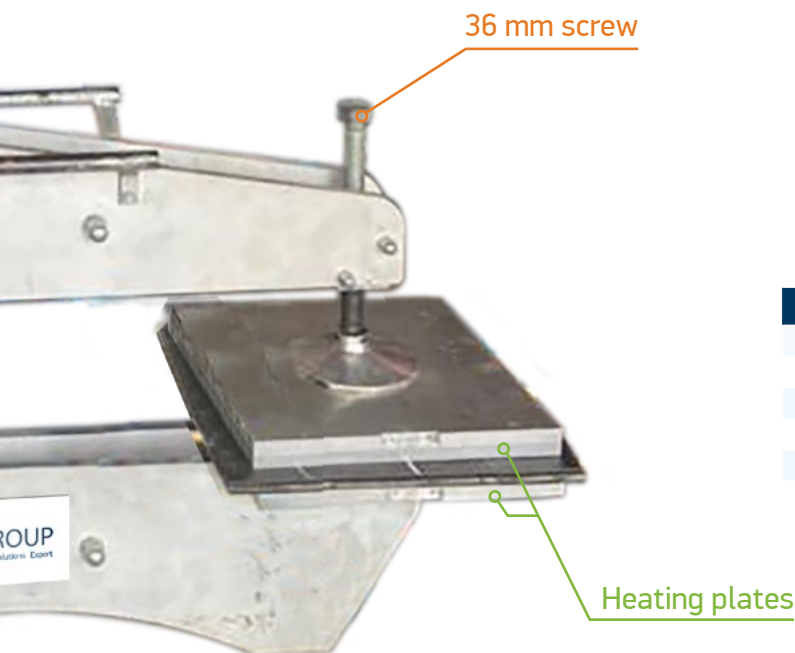
Heating plates (ref. 4710920)

Dimensions	250x350 mm
Power	220 V
Weight, kg	6 kg / plate

Dynamometric spam with 36 mm socket (ref. 2991154)



Dial thermometer in box of 2 pieces (ref. 2991111)



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MLT Conveyor Solutions Expert

More than 70 years of innovation
at your service



Distributor logo



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