



MLT GROUP

Conveyor Solutions Expert

VULCANIZING WATER BAG PRESS



Conveyor belt splices / Heavy Duty



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.

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
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.
Please contact us for further information.

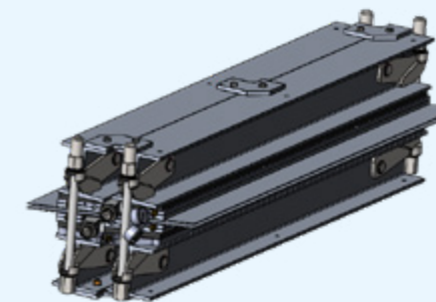
VULCANIZING WATER BAG PRESS

Vulcanizing and repairing for heavy duty belts

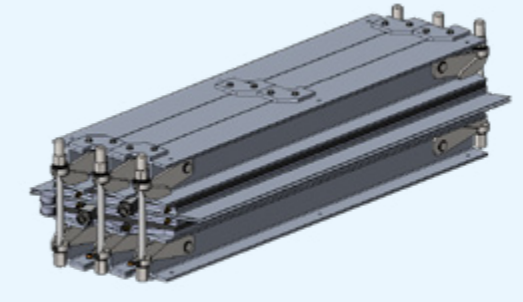
ADVANTAGES

- 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.

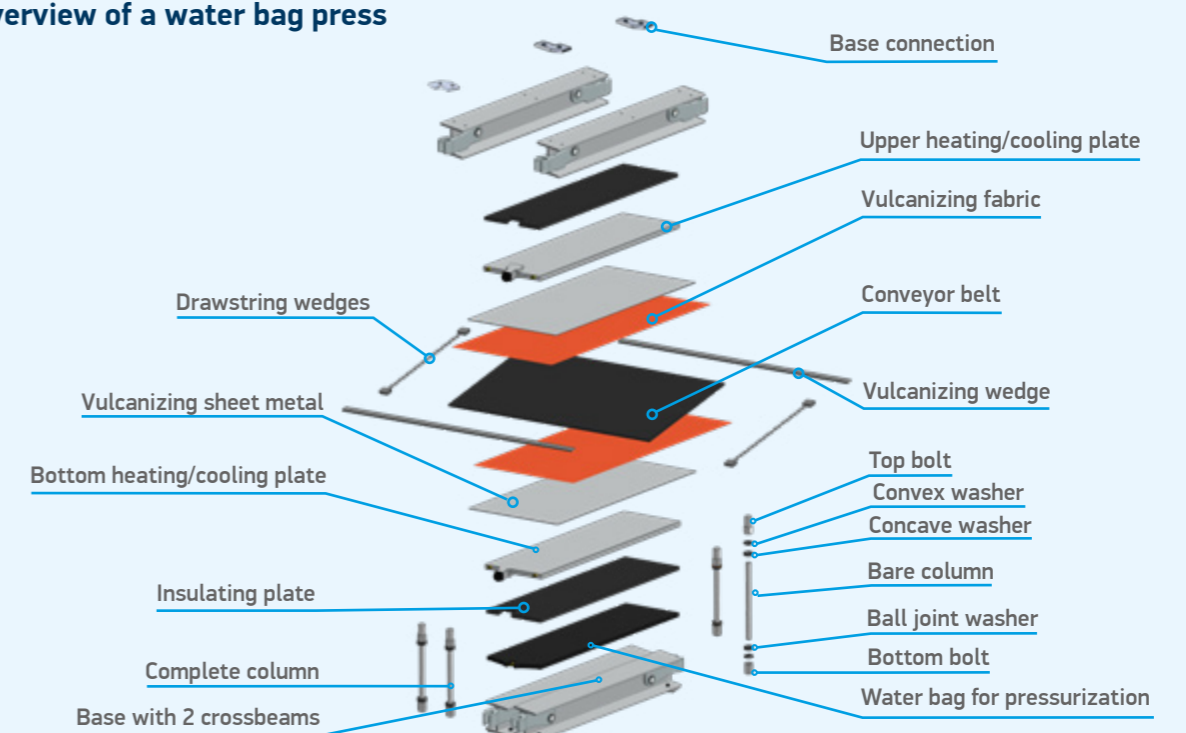
Module 350 mm



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}	

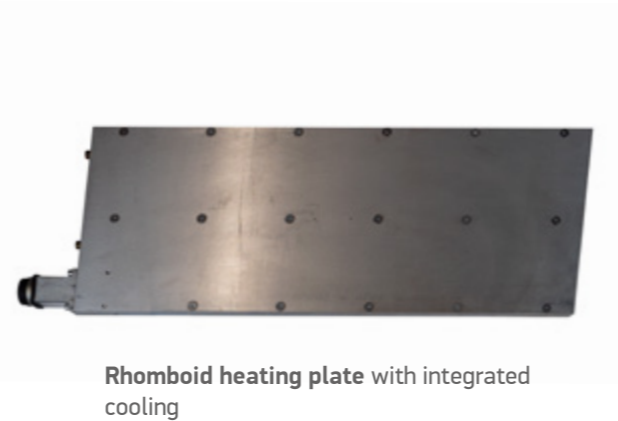


Table of electric consumption and electrical power per plate:

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:

Water bag		Table of water consumption (L) with 12 bars	
		350 mm (13 ^{25/32} inch)	525 mm (20 ^{43/64} 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 ^{5/15}	
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



- 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 30 minutes.
- Tank capacity: 50L.
- Pump operates on 220 V.

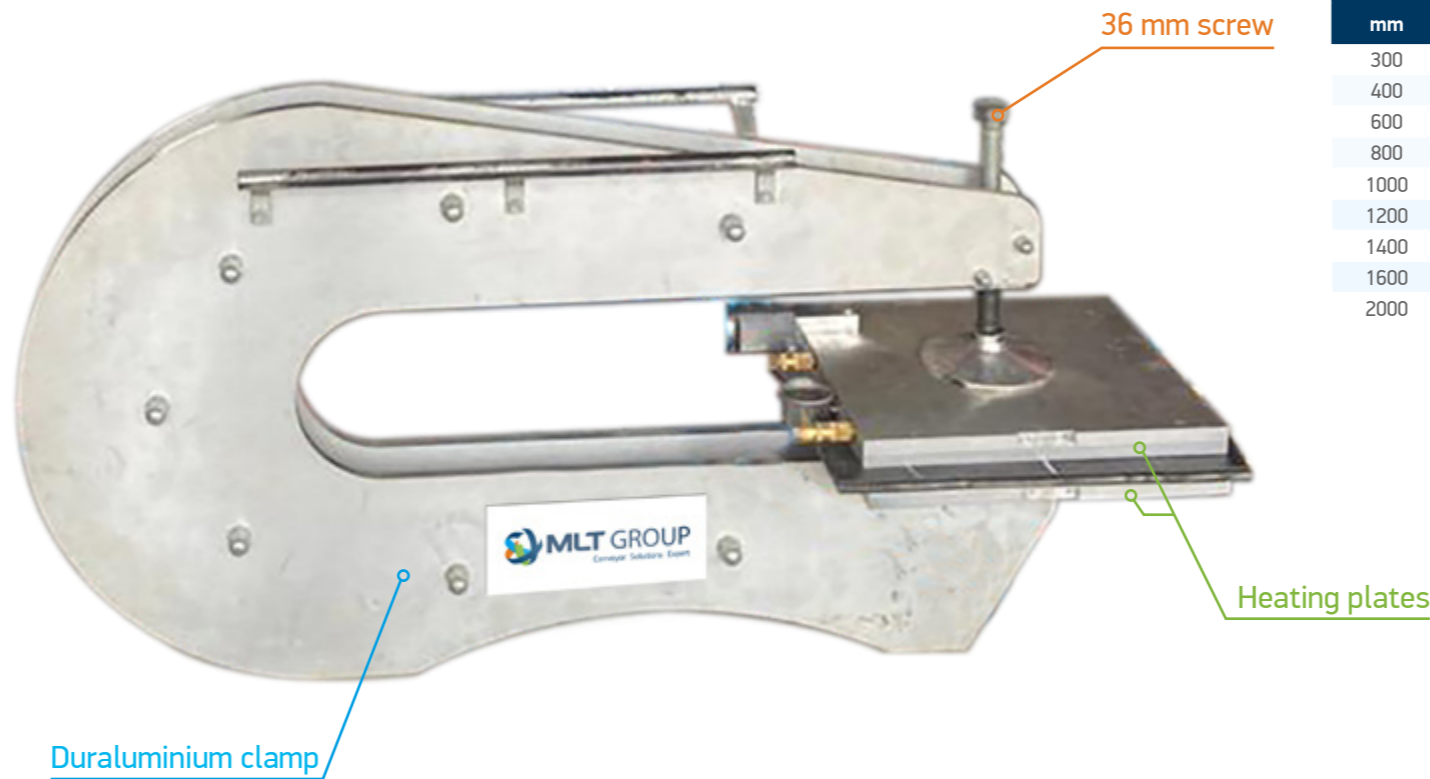
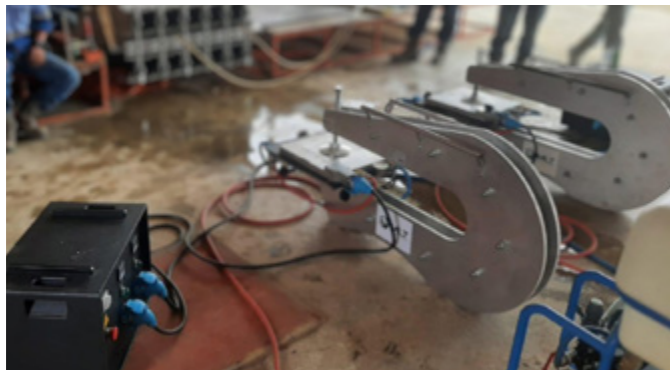
SPOT REPAIR

Simple and effective repair

Our **spot repairs** are made in **France** with high-strength aluminium, for belt widths up to 2000 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 5 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 400x350 mm. They are equipped with **cooling and PT100 probes**, allowing you to use the same **MLT control box and electric pumps** as your water bag presses. We also systematically provide a pair of **dial thermometers**.



Elements you need for your spot repair

Clamp

Belt width		Clamp opening		Weight	Reference
mm	inch	mm	inch		
300	11 ^{1/32}	150	5 ^{9/64}	15 kg	4720005
400	15 ^{1/8}	200	7 ^{9/64}	18 kg	4720006
600	23 ^{3/32}	300	11 ^{1/32}	23 kg	4720007
800	31 ^{1/2}	400	15 ^{1/8}	28 kg	4720008
1000	39 ^{1/4}	500	18	35 kg	4720009
1200	48	600	23 ^{3/32}	42 kg	4720010
1400	55	700	27 ^{3/32}	49 kg	4720011
1600	63	800	31 ^{1/2}	59 kg	4720012
2000	78 ^{1/8}	1000	39 ^{1/4}	69 kg	4720139

Dynamometric span with 36 mm socket (ref. 2991154)



Heating plates (ref. 4710920)

Dimensions	450x350 mm (17 ^{1/32} x 13 ^{1/32} inch)
Power	400 V
Weight	11 kg / plate

Power cable (ref. 4710308)



Regulated control box - 4 outputs - Digital display (ref. 4710691)



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



VULCANIZING WATER BAG PRESS

MLT Conveyor Solutions Expert
More than 70 years of innovation
at your service



25/03/2024

Distributor logo

 **MLT GROUP**
Conveyor Solutions Expert

www.mltgroup-conveyor.com - info@mltgroup-conveyor.com

© MLT GROUP