



# 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\*

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

STANDARD RANGE

\*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.

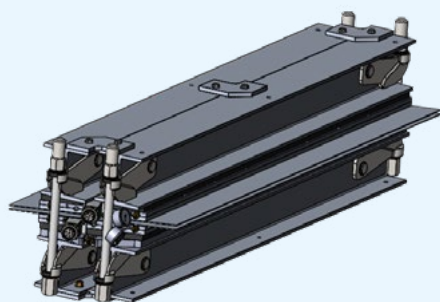
# VULCANIZING WATER BAG PRESS

Vulcanizing and repairing for heavy duty belts

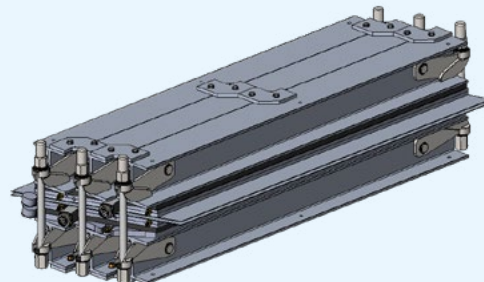
## ADVANTAGES

- 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<sup>25/32</sup> or 20<sup>43/64</sup> 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.

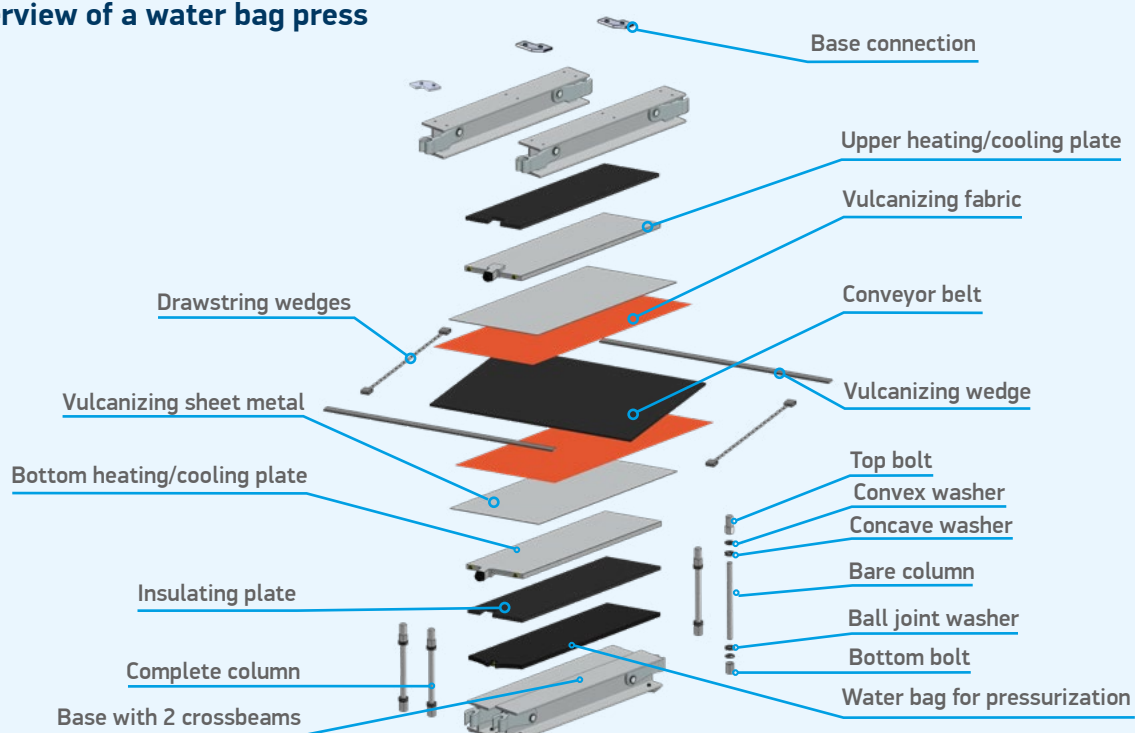
**Module 350 mm**



**Module 525 mm**



**overview of a water bag press**



# OVERVIEW OF A WATER BAG PRESS



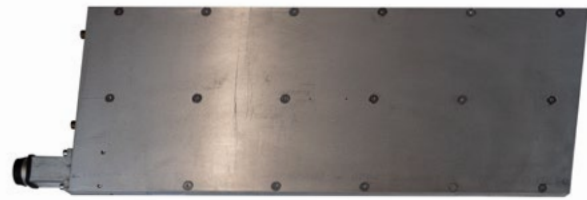
## Heating and cooling plate

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 <sup>7/16</sup>	30 mm (1 <sup>3/16</sup> inch)
1100	43 <sup>5/15</sup>	
1300	51 <sup>3/16</sup>	
1500	59 <sup>1/16</sup>	
1700	66 <sup>59/64</sup>	
1900	74 <sup>51/64</sup>	



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 <sup>7/16</sup>	x350	13 <sup>25/32</sup>	3,48	5,0
		x525	20 <sup>43/64</sup>	5,48	7,9
1100	43 <sup>5/15</sup>	x350	13 <sup>25/32</sup>	4,20	6,1
		x525	20 <sup>43/64</sup>	6,39	9,2
1300	51 <sup>3/16</sup>	x350	13 <sup>25/32</sup>	4,92	7,1
		x525	20 <sup>43/64</sup>	8,04	11,6
1500	59 <sup>1/16</sup>	x350	13 <sup>25/32</sup>	5,64	8,2
		x525	20 <sup>43/64</sup>	8,76	12,7
1700	66 <sup>59/64</sup>	x350	13 <sup>25/32</sup>	6,36	9,2
		x525	20 <sup>43/64</sup>	9,86	14,2
1900	74 <sup>51/64</sup>	x350	13 <sup>25/32</sup>	7,08	10,2
		x525	20 <sup>43/64</sup>	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 <sup>7/16</sup>	22 mm (13/16 inch)
1100	43 <sup>5/15</sup>	
1300	51 <sup>3/16</sup>	
1500	59 <sup>1/16</sup>	
1700	66 <sup>59/64</sup>	
1900	74 <sup>51/64</sup>	





## 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 <sup>25/32</sup> inch)	525 mm (20 <sup>43/64</sup> inch)
mm	inch		
900	35 <sup>7/16</sup>	3,5	5,25
1100	43 <sup>5/16</sup>	4	6
1300	51 <sup>3/16</sup>	4,5	6,5
1500	59 <sup>1/16</sup>	5	7,5
1700	66 <sup>59/64</sup>	5,5	8
1900	74 <sup>51/64</sup>	6	8,75

### Technical data

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



## 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**.

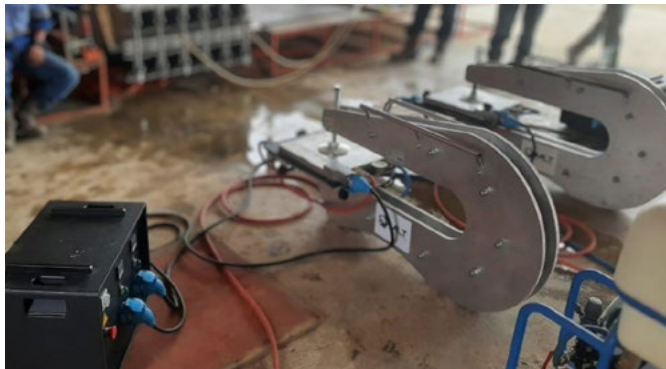
# SPOT REPAIR

## 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 spam 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



Distributor logo



**MLT GROUP**  
Conveyor Solutions Expert

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