

MOUNTING



MOUNTING MACHINES

PRESSLAM® 1.1

MADE IN FRANCE

The PRESSLAM® 1.1 is a multi-purpose, easy-to-use, automatic hot mounting press that will allow you to achieve high production levels. All parameters are accessible via a 5.7" colour touch screen. The graphic interface guides you intuitively through the different settings, which you can then store and reuse at will. It is also possible to transfer predefined hot mounting parameters via the machine's USB port. All phases are visible on the screen during the hot mounting cycle and can be modified at any time.

Each function can be adjusted separately and 4 pressurisation modes are available, along with a function reducing the amount of water used for cooling.



PRESSLAM® 1.1

Easy-to-use, productive,
automatic hot mounting press



Technical Data	PRESSLAM® 1.1
Capacity	Ø 25,4 to Ø 50 mm
Heating system	4 x 600 W around mould
Temperature range	20 to 200 °C
Heating cycle	0 to 30 min
Cooling cycle	0 to 30 min
Pressure	0 to 1,600 daN
Double mounting	yes – all diameters
Program back-up	300 with USB connexion
Pressurisation modes	4 different modes
Chamber closing	half turned cover with a safety chamber
Mould changing	Quick, without connectors- electric or hydraulic
Pre-heating mode	Yes (cleared after 6 min without manipulation)
Water saving	yes (up to 25%)
Voltage	230 V – 50 Hz single-phase
Pneumatic feed	6 to 10 bars
Dimensions W x H x D	250 x 680 x 470 mm
Weight	72 kg (depending on mould size)
Reference	60 PL110 00

Once put in service the PRESSLAM® 1.1 runs a pre-heating cycle that is cleared after 6 minutes without user intervention.

Access to mould is wide open for a sample positioning and filling facility. Quick and effortless, the locking/unlocking is realised by a cover and a ¼ turn locking lever.

Exclusive safety device

The expulsion of the sample after the mounting cycle is only possible when the safety cover is located in its intermediary position. This device creates a safety chamber in which the sample is protected in case of an eventual sticking situation.



Closed

Safe position
for sample recovery

Open

Embedding allows limiting edge stresses during the polishing step.

This operation will also allow you:

- In manual polishing: to facilitate the holding of the sample
- In automatic polishing: to place several samples together in a sample holder under optimum tightening conditions

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The PRESSLAM®1.1 is equipped with a main heating unit which contains the removable cylinder. The standard heating unit covers diameters from 25,4 to 40 mm and a specific element is available for a 50 mm diameter.

The mounting chamber can be changed without any tools, nor electric or hydraulic connections.

It only takes a few minutes to change the complete heating unit.

The PRESSLAM®1.1 is the ideal link in your mounted sample production line. It is a compact machine that is both easy to use and easy to maintain and will allow you to increase your productivity while maintaining unrivalled flexibility.



Heating unit for mould assembly Ø 25,4 mm (1"), 30 mm, 40 mm, 1 1/4" and 1 1/2", 50 mm and 2"



Independent cooling unit to use the PRESSLAM®1.1 without water supply



Spacer for double mounting

Accessories

Heating unit for Ø 25.4 mm (1"), 30, 40 mm, 1 1/4" and 1 1/2"	60 PL2H1 00
Heating unit for Ø 50 mm and 2"	60 PL2H2 00
Assembly mould Ø 25,4 mm or 1"	60 PL1C1 00
Assembly mould Ø 30 mm	60 PL1C2 00
Assembly mould Ø 40 mm	60 PL1C4 00
Assembly mould Ø 50 mm	60 PL1C5 00
Assembly mould Ø 1 1/4"	60 PL1C2 10
Assembly mould Ø 1 1/2"	60 PL1C4 10
Assembly mould Ø 2"	60 PL1C5 10
Spacer Ø 25,4 mm or 1" for double mounting	60 PL2I1 10
Spacer Ø 30 mm for double mounting	60 PL2I2 00
Spacer Ø 40 mm for double mounting	60 PL2I4 00
Spacer Ø 50 mm for double mounting	60 PL2I5 00
Spacer Ø 1 1/4" for double mounting	60 PL2I2 10
Spacer Ø 1 1/2" for double mounting	60 PL2I4 10
Spacer Ø 2" for double mounting	60 PL2I5 10
Compressed air filtration kit	60 00375 90
Cooling unit	60 PL090 00

Parameters recapitulation PRESSLAM®1.1 with LAM PLAN hot mounting resins.

Resine	Heating time (min)				Cooling time (min)				Pressure (daN)				Temperature (°C)				Pressure mode
	Ø 25	Ø 30	Ø 40	Ø 50	Ø 25	Ø 30	Ø 40	Ø 50	Ø 25	Ø 30	Ø 40	Ø 50	Ø 25	Ø 30	Ø 40	Ø 50	
Phenolic (602, 622, 632, 642)	3.5	3.5	4	5,5	3	3	3	3.5	800	1000	1200	1400	170	170	170	170	
Epoxy (633, 634) Use the SOLILUB	4	5	5	6.5	4	4	4	4.5	800	1000	1200	1400	180	180	180	180	
Acrylic (616, 2 and 616)	4.5	5	5.5	6.5	4	4	4	4.5	800	1000	1200	1400	170	170	170	170	
Copper (604.3)	3	3	3,5	5,5	3	3	3	3.5	800	1000	1200	1400	170	170	170	170	
Phenofree Use the SOLILUB	3	3	4	5.5	3	3	3,5	3.5	1000	1000	1200	1400	175	175	175	175	
Graphite (617)	3	3	3.5	4.5	3	3	3	3.5	800	1000	1200	1400	170	170	170	170	

GUIDANCE