

Laboratory Platen Presses

LabEcon series: for basic operations



APPLICATION

For more than 75 years the Fontijne hydraulic laboratory platen presses are being used in the plastics-, rubber-, laminating/wood and aircraft industry. The presses are mostly utilized for research & development and quality control.

The LabEcon 300 and LabEcon 600 are basic presses especially designed for simple pressing operations. For straightforward automated pressing operations, these presses offer you a high quality economical solution.

DESIGN

- Compact and simple to operate
- Ergonomic
- Stable
- Reliable construction
- Low noise level in operation
- High safety level
- Low investment

The press consists of:

- 2 columns press frame. These two columns are precision machined in such a way that they serve as guides for the press-table.

The accurate prism guidance construction guarantees a high parallelism of the platens at all temperatures.

- lower platen is connected to the hydraulic cylinder.
- upper platen mounted on the press frame.

Hydraulics

The hydraulic unit is located in the electrical cabinet. The hydraulic cylinder is a double-acting type. The two integrated pumps ensure fast closing and accurate pressing. The hydraulic unit will automatically adjust increase or decrease in pressure, so that the pressure on your product is kept constant.

Heating / cooling platens

In one cycle it is possible to heat-up and cool down the product. In the basic version the platens are equipped with electrical cartridge heating elements and provided with cooling channels. The steel platens are designed in such way that an equal temperature-distribution over the platen surface is ensured. The cooling channels are specially designed to achieve high cooling rates.

Controls

Standard the presses are equipped with digital pressforce and temperature controllers and a timer, which are mounted on the front of the control panel. With these controls one press force and one temperature during a certain time can be set.

Technical data

LabEcon		300	600
Closing Force	kN	300	600
Platen size	mm	320 x 320	400 x 400
Cylinder stroke	mm	200	200
Specific platen pressure	N/cm ²	293	375
Capacity per platen	kW	3.2	5.0
Max. temperature	°C	300	300
Closing speed	mm/sec	27	14
Weight nett/gross	kg	420/450	600/630
Lenght	mm	600	600
Width	mm	1000	1070
Height	mm	1200	1200



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Represented by:

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