

Product range:
Wood

Joos-Basic-Press



Joos-Quality
is the difference
Details that matter.

PRESSEN + TECHNOLOGIE



GOTTFRIED JOOS MASCHINENFABRIK

The standard press for the trade

The standard machine for the wood-processing trade for the pressing of veneers, papers or layer materials on all plane work pieces.

The Joos-Basic-Press is available as model 65 and 70.

Joos details the main points in press construction.
The facts which influence the price are:

- restriction on two machine models
- standardised series
- modified construction
- one-colour lacquer
- standardised equipment

Quality which is tried and tested in practice.

The Joos-Quality for the Basic models has been proven by more than 70000 pressing processes, among them more than 5000 safety tests.



Joos-Basic-Press 70
with electric heating platens... made in Germany

Details that matter.

The dynamic piston bearing

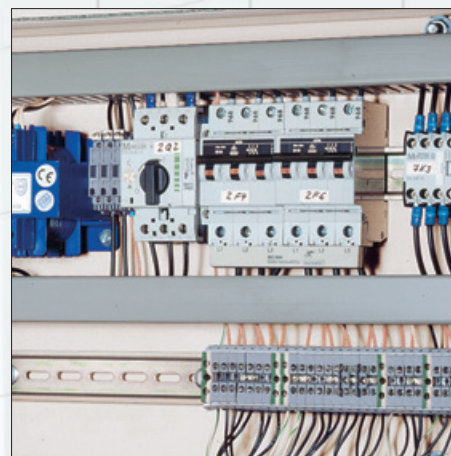
Even when incorrectly loaded, Joos presses offer maximum operational safety. In the unique Joos design the pistons are not bolted to the pressing table, but instead dynamically act on a milled contact surface under the pressing table. A column guide prevents the platen from tilting or being displaced. Synchronous operation of the pressing table is provided by a high precision toothed rack parallel guidance system. This technique provides the pressing table with a full range for expansion in all directions.



The electronic control system

The exact control of commands is the precondition for perfect veneering. Therefore, Joos-Quality-Products are exclusively provided with checked components, such as:

- contactors with periodical contact monitoring in the safety path
- double motor contactor with mutual locking
- automatic circuit breaker with phase monitoring instead of screw type retainer



The gold heating platen

The Joos-Basic-Presses in standard design are equipped with high-quality hard anodised electric heating platens.

The „Gold anodised decor D.B.G.M.“ system renders the surface of the valuable heating platen extremely hard and so offers a long-term protection.

The essential advantages are:

No groove build-up, no metal abrasion, reduced separating agent consumption, shorter operating time, no wear and tear of foil, a higher quality of veneering.





in Germany

Joos-A.B.S.-Safety System

The A.B.S.-safety system is exclusively installed into Joos-Quality-Presses. (D.B.G.M.8714804.8)

The idea: Incorrectly loaded or forgotten parts are registered immediately by microsensors. On a control command the Joos-Quality-Press opens automatically again. This Joos invention prevents the costly consequences of damage to the pressing table, the valuable hydraulics and / or the expensive heating platens. Due to the Joos-A.B.S.-safety-system the life and operating safety of your veneer press will be decisively increased.

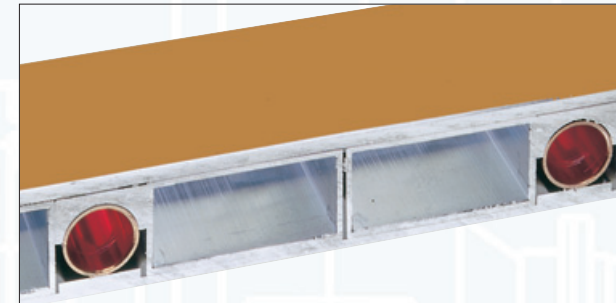


You have the heat, we offer the benefit.

Enough hot water is available in every company. It is often produced cheaply, for example from wood burning or other heat sources.

If the press is appropriately designed this energy can be used to reduce the costs for veneering.

Joos-Öko-Presses are equipped with a patented heating system which takes this energy and uses it in the **Ökotherm-heating platen**.



The combination of different NE-profile systems with specific heat conductor profiles results in an extremely light heating platen. This small mass consumes up to 60 % less energy than conventional heating platens to reach the same working temperatures.

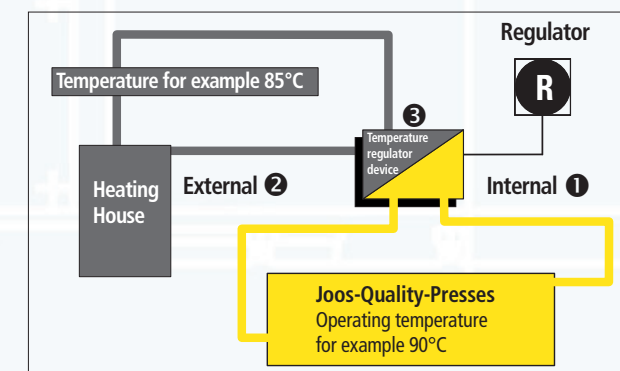
Hot water is used as heating medium. The water permanently circulates in the heating platen and so regulates the optimum temperature spread on the surface of the hard anodised cover plates.

- maximum operating temperature 90°C
- optimum constant temperature
- low energy consumption
- even temperature spread

Alternative internal, external or combined heating

Joos exclusively offers with the **Ökotherm-System** the following heating combinations:

- ① heating by internal temperature regulator device
- ② heating by available external hot water
- ③ the combination of both possibilities by an additional heat exchanger.
For this the basic temperature is supplied by external heat sources, the operating temperature is supplied by an internal source.



**Joos-Ökotherm - benefits the
environment and the entrepreneur.**

Pressing surface mm	mm	Basic 65 2500 x 1100	Basic 70 2500 x 1250
Total pressing force	kN	650	700
Daylight opening max	mm	350	350
Number of daylights	piece	1	1
Number of cylinders	piece	4	4
Diameter of cylinders	mm	80	80
Spec. pressure at full capacity	daN/cm ²	2,3	2,2
Spec. pressure at 2 m ² capacity	daN/cm ²	3,25	3,5
Operating pressure	bar	325	350
Required power	kW	1,1	1,1
Closing time	approx. sec.	13	13
with electric heating platens:			
Connected load	approx. kW	16	18
Heating time to 90°C	min.	16	16
Hourly consumption with 4 min pressing time per m ² pressing material	approx. kW/h	4,1	4,0
with ÖkoTherm-Basic:			
Connected load	approx. kW	12	12
Heating time to 90°C	min.	35	35
Hourly consumption with 4 min pressing time per m ² pressing material	approx. kW/h	2,6	2,7
Basic dimensions:			
Overall length	mm	2900	2900
Overall width	mm	1300	1450
Overall height	mm	1920	2030
Weight	kg	2800	2950

Steam/water heating platens - Specifications on request

All values specified in this brochure are approximate. Subject to change and all rights reserved.

10 kN $\triangleq$ ca. 1 t; 1 daN/cm² $\triangleq$ ca. 1 kg/cm²; 1 bar $\triangleq$ ca. 1 atü, or 14,6 psi; 4.186 kJ $\triangleq$ 1 kcal; 1 cm² $\triangleq$ 0,155 in²; F $^{\circ}$ = C $^{\circ}$ x 1,8 + 32 $^{\circ}$

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- **Pneumatic Presses**
- **Hydraulic Presses**
- **Throughfeed-Presses**
- **Moulding Presses**
- **Joos-Special-Presses**
- **J o o s - S e r v i c e**
- **Joos-Gluespreaders**
- **Handling devices**

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