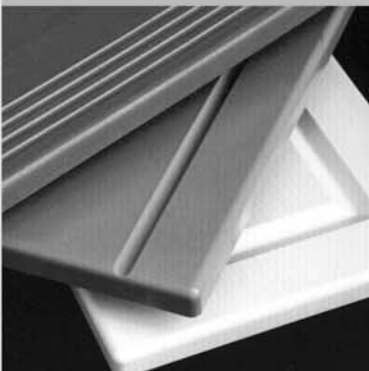
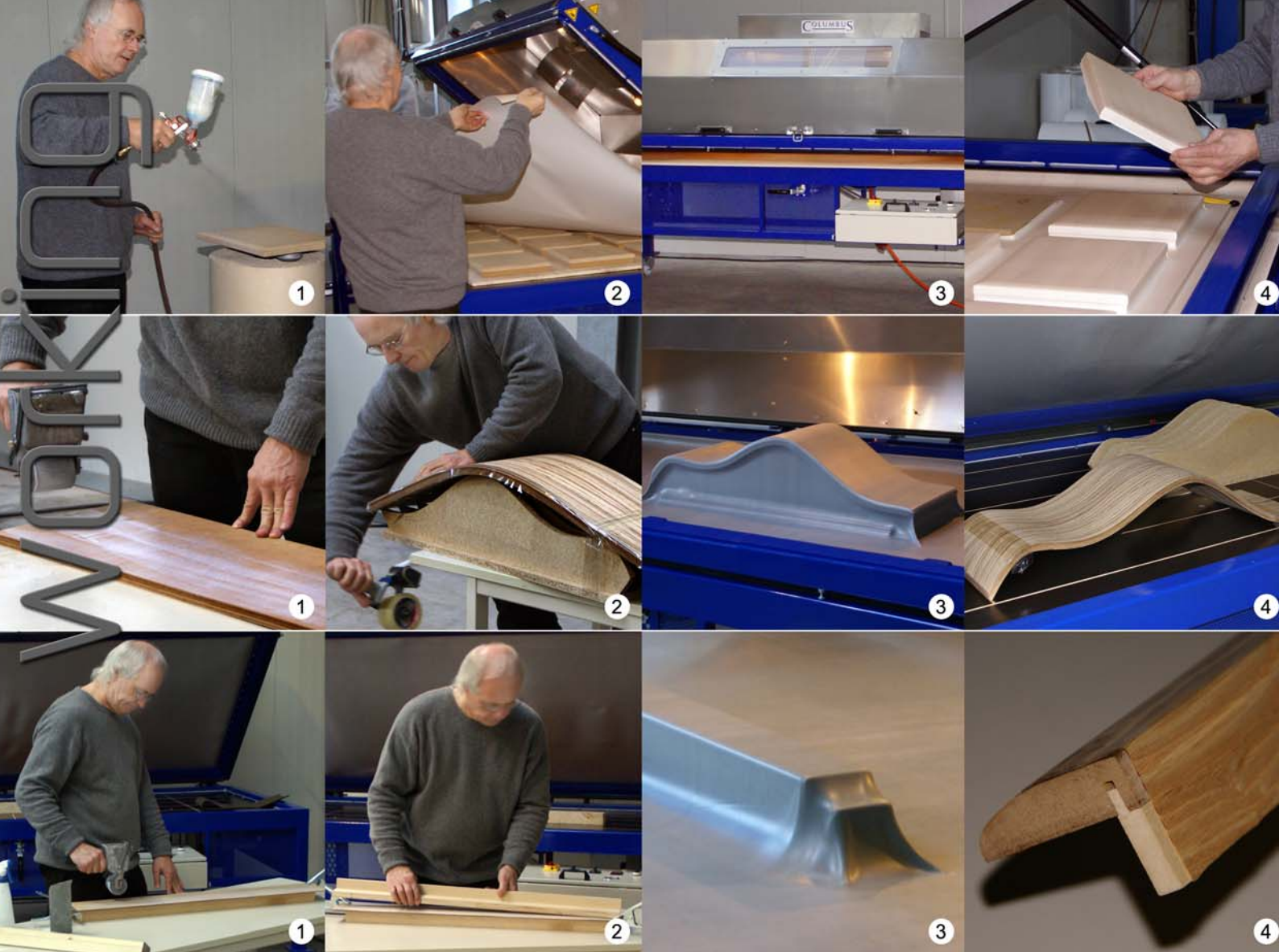


# multimat

**3D foil pressing  
laminated bending  
curved veneering**





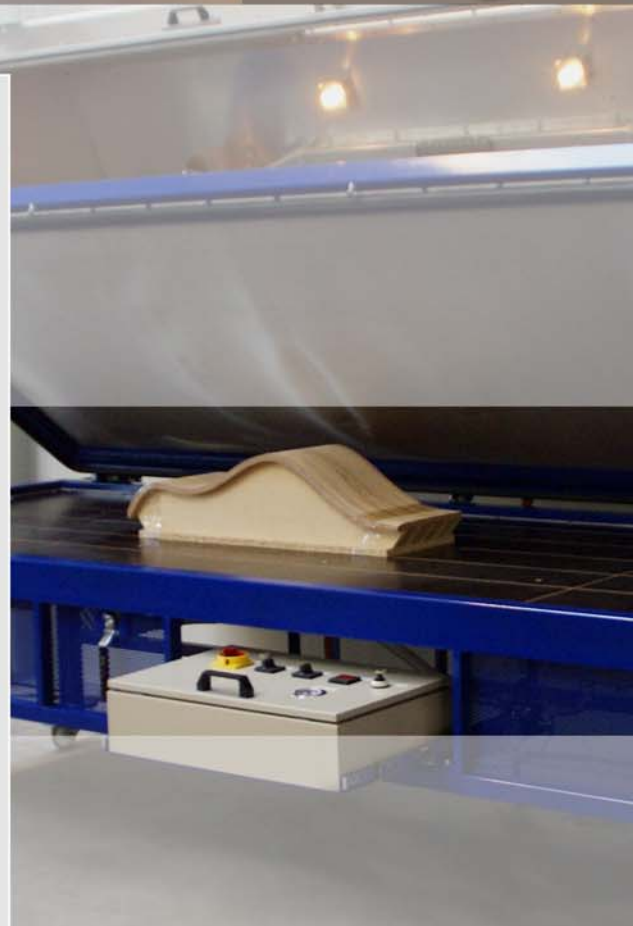
### It's that easy:

#### 3D foil-lamination and foil-coating:

- Pre-heat unit to desired operation temperature (approximately 25 minutes)
- Insert work pieces including supporting pads
- Spread the 3D foil over the work piece surface and close the heating cover
- After the preset heat-up time, initiate the vacuum pressing procedure (duration of pressing cycle: approx. 100 – 150 seconds)
- After the pressing cycle has been completed, lift the heating cover and extract the finished work pieces
- Continue on to no. 2 below

#### Layer-gluing and form-veneering:

- If needed, attach the heating cover, and set it to the desired temperature (note that a 20 minute pre-heating time is required. Keep the heating cover closed during the pressing cycle and while you insert work pieces. This helps to save energy.)
- Adjust the operation surface into the desired position
- Open the membrane frame and insert the work piece
- ATTENTION: always leave some space between the work piece and the inside of the frame (at least 1.5 times the height of the work piece)
- Close the membrane frame
- Turn on the vacuum pump to initiate the air-extraction process and to begin the pressing cycle
- Once the desired ultimate pressure has been reached, the pump will automatically turn on and off as needed (this saves energy)
- After completion of the pressing cycle, turn off the unit, open the membrane frame, and extract the finished work piece



**MULTIMAT - the multifunctional vacuum press for 3D-lamination, layer-gluing, and form-veneering**

MULTIMAT is the ideal combination of two pressing techniques in one simple machine:

**Vacuum 3D-foil pressing without the use of a membrane**

Ideal for simple and efficient foil-coating of fronts, such as kitchen and washroom furniture, furniture parts, ornamental pieces, etc. Now you can avoid problems with retailers and delivery – such as long delivery times, pressure to acquire high quantity of parts, high delivery costs, etc.

MULTIMAT units are inexpensive and easy to operate. They guarantee quick amortization even with the production of small batch sizes or built-to-order production.

**Well-ried vacuum membrane-press technology**

**Professional layer-gluing of complex shapes ("Sandwich-technique"):**

Curved furniture parts, parts for interior design, parts for countertops, boats, train cars, busses, and airplanes

**Form-veneering and form-coating:**

Profiles for furniture manufacturing and for high-end interior design solutions, table tops, work surfaces, coffin manufacturing, wall- and ceiling-profiles, technical profiles and moulds

**2D- and 3D-forming of thermoplastic materials:**

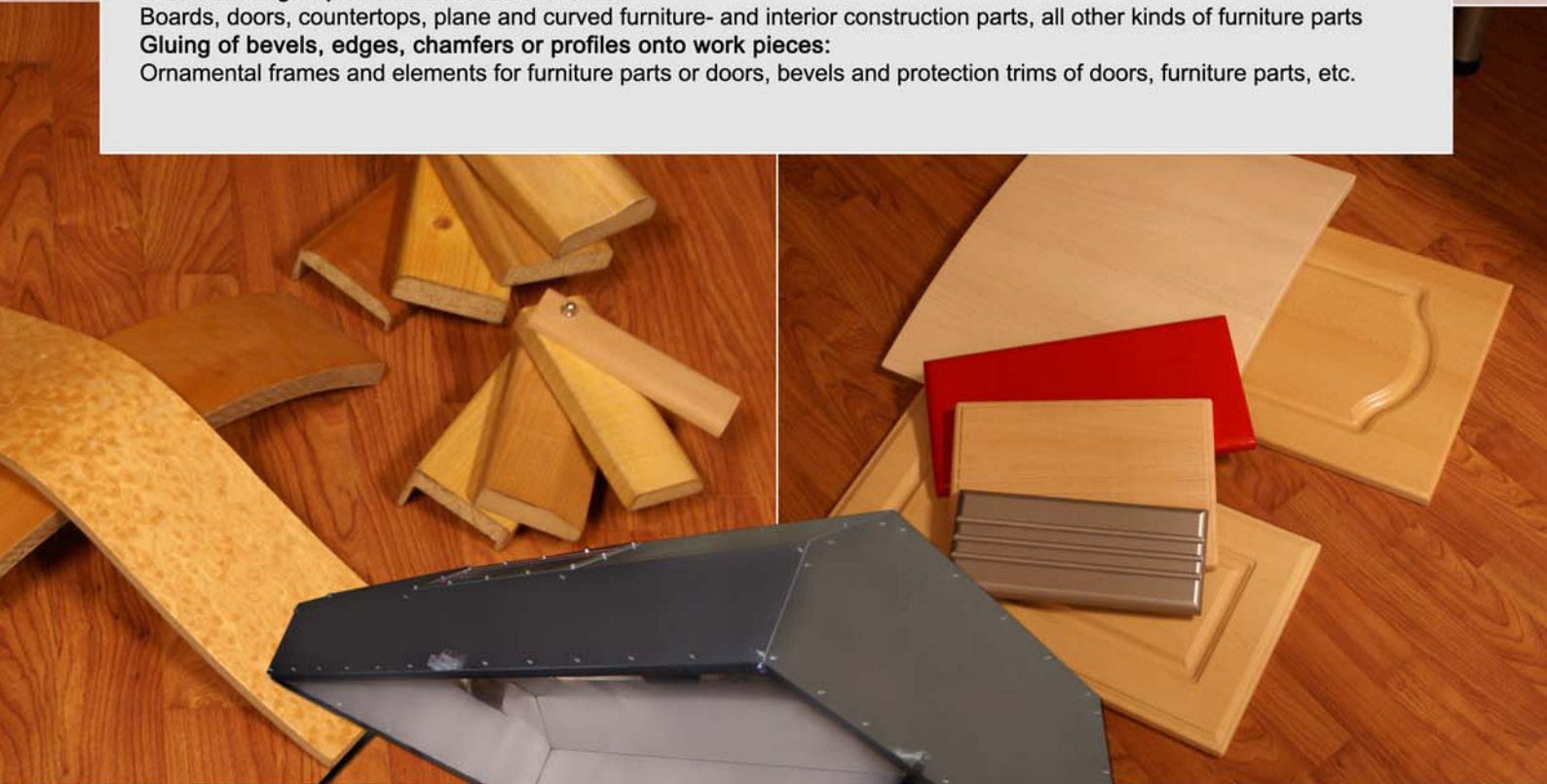
Forming of mineral-based materials (Corean, Meran), acryl-based materials, ABS, etc. Ideal for interior construction, washroom furniture, built-to-order furniture parts, designer furniture, polyurethane foam for insulation parts (for the construction of boats, ships, train cars), specialty parts for technical use

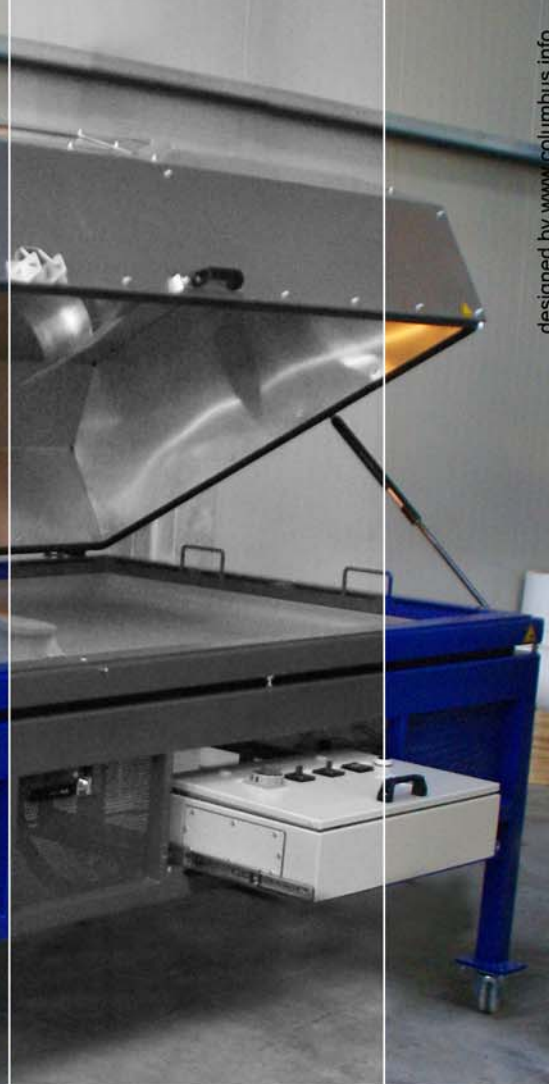
**Gloss-coating of plane and curved surfaces:**

Boards, doors, countertops, plane and curved furniture- and interior construction parts, all other kinds of furniture parts

**Gluing of bevels, edges, chamfers or profiles onto work pieces:**

Ornamental frames and elements for furniture parts or doors, bevels and protection trims of doors, furniture parts, etc.





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**Two-In-One – many application possibilities through ideal combination of different machines:**

- 3D foil-lamination press for coating and lamination
- Vacuum membrane press for form-gluing and form-veneering

**Comfortable to operate – fully adjustable:**

- Saves time and effort and prevents operation errors

**3D foil-lamination and coating**

short pre-heating cycles, no setting-up time, short pressing cycle:

- ideal for custom orders as well as serial production
- a perfect alternative to industrial machinery
- simple handling guarantees low error quota
- inspection window allows effective quality control

**continuous thermostat-controlled circulating-air heating system:**

- precise control of the heat applied to the 3D-foils, even with complicated work piece shapes
- even application of heat of both horizontal and vertical surfaces

**low investing costs:**

- quick amortization even with low numbers of produced pieces
- ideal also for complicated shapes

**Vacuum layer-gluing and form-veneering**

heat-resistant, highly elastic silicone membrane:

- no damage from high temperature or quick temperature changes
- ideal also for complicated shapes

**effective vacuum technology:**

- optimal full-surface pressing results due to a pressure application of 8 t/m<sup>2</sup>
- extremely quick build-up of ultimate pressure

**if needed: connectible circulating-air system:**

- short pressing cycles – no delays – high productivity
- even application of temperature, independent of the number of inserted work pieces (applies also to vertical work piece surfaces and indentations)

The technical data contained hereing is subject to modification.

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