



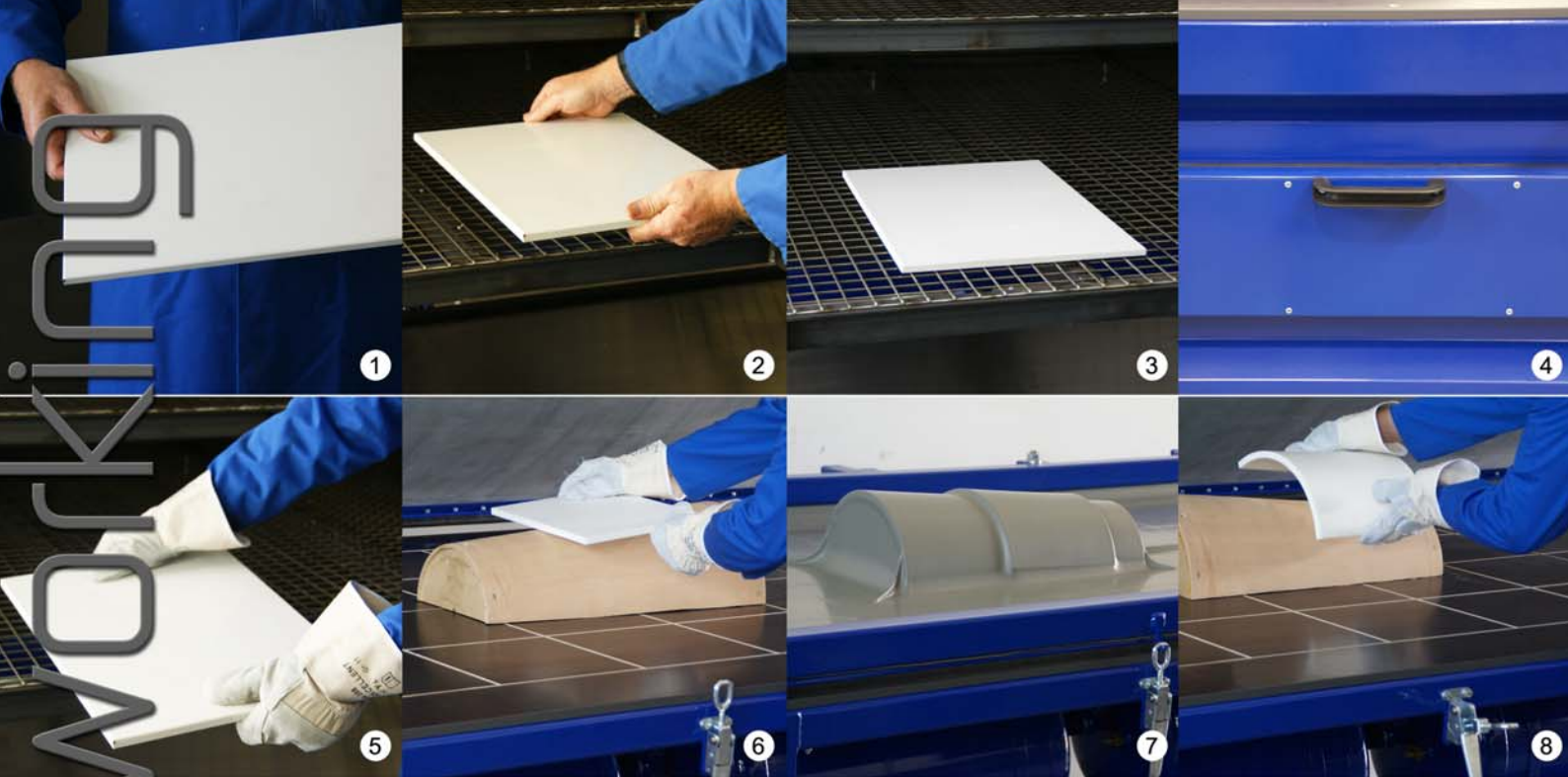
COMBIHERM



heating
forming
laminated bending



COLUMBUS
PRESSTECHNOLOGY



It's that easy:

Heating and forming of thermoforming materials:

- place the thermoforming material on the pulled out working surface
- slide the working surface back into the thermo heating oven
- set the temperature and heating time
- start the heating process
- after the set heating time has finished pull out the working surface again
- remove the heated thermoforming material
- place the hot thermoforming material on the prepared mould in the vacuum press
- close the membrane frame
- start the vacuum pump – the pressure builds up
- pressing time according to the forming parameters of the thermoforming material
- remove the ready formed work piece after finishing the pressing process

COMBITHERM – the Multipurpose Heating and Forming Unit for all Thermoforming Materials

COMBITHERM is a compact built, space-saving, combined thermo heating and forming unit. The combination of a thermo heating oven with a vacuum press enables you to heat up various thermoforming materials fast to their optimal forming temperature and then form them with vacuum in one machine.

COMBITHERM is ideal for heating and forming solid surface materials such as: CORIAN, VARICOR, GETACORE, STARON, WILSONART, PLEXICOR, MARLAN, etc.

COMBITHERM is ideal for heating and forming all other thermoforming materials such as: ABS, PC (Makrolon), PMMA (Plexiglas), PET-G (Vivak), PS, PP, PVC, etc.

COMBITHERM is of course a vacuum press for: veneering, coating, laminating and pressing

COMBITHERM is easy to use. The innovative circulating hot air system heats thermoforming materials in various thicknesses and qualities evenly. This generates a very gentle and unproblematic heating up procedure. There are no problems with discolouring of sensitive materials or sticking of materials onto the working surface. The vacuum press operates with the sophisticated technology designed by Columbus!

Thermoforming for new profitable markets!

COMBITHERM is a space-saving two in one machine for heating and forming of materials economically.

This creates possibilities to work with new materials to design new forms and shapes; to realise your own ideas and to satisfy the demands of your customers.

A cost effective way to enter a lucrative market without a lot of additional expenses.

Product-Photos: Polydecor



Technology for professionals:

Heating oven:

- variable temperature setting +200 °C
- built-in timer
- electronic temperature control
- innovative circulating hot air system for airstream from top and bottom
- distribution of the temperature evenly on the whole heating surface with fans
- overheating protection
- heating chamber can be used for tempering of work pieces
- energy saving through low power input and tight closing lid

Vacuum press:

- optimal pressing with a pressure of 8,5 t/m² also on large scale work pieces
- evenly applied pressure on all sides of the work piece
- simple and reliable opening/closing mechanism
- long-life reliable pump (rotary vane pump)
- fast pressure build up

User friendly operation:

- pull-out working surface
- ergonomically adjusted working height
- adjustment of material thickness not necessary
- easy placing and removing of the work pieces
- fast work flow of heating and forming
- clear and self explanatory controls

Robust, durable construction:

- sturdy and rigid steel construction
- industrial convection heating technology
- non-corrosive working surface
- smooth pull-out operation of the working surface
- maintenance-friendly

The technical data contained herein is subject to modifications.

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