



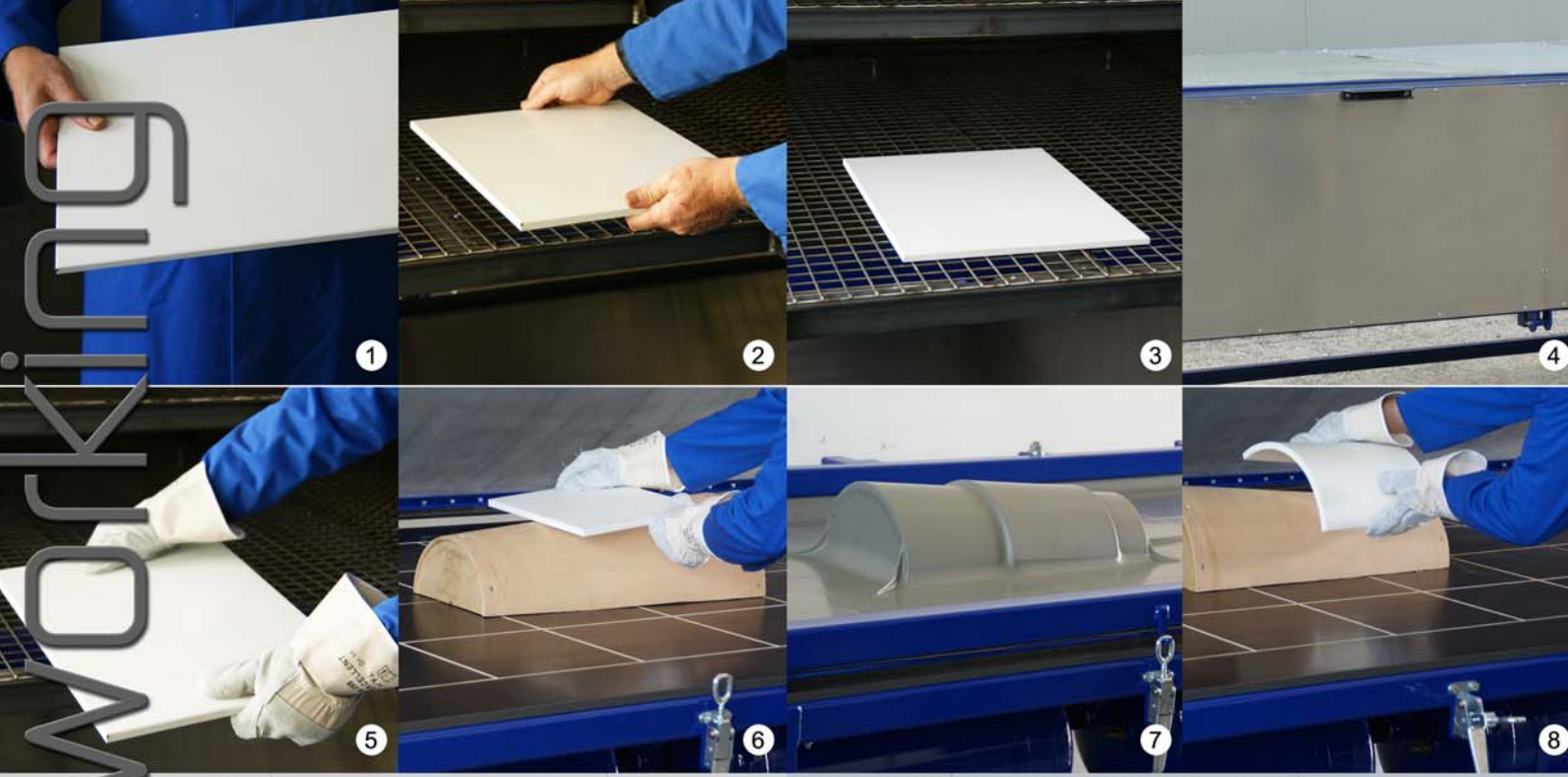
PROFILHEIM



heating  
tempering  
pre-drying



COLUMBUS  
PRESSTECHNOLOGY



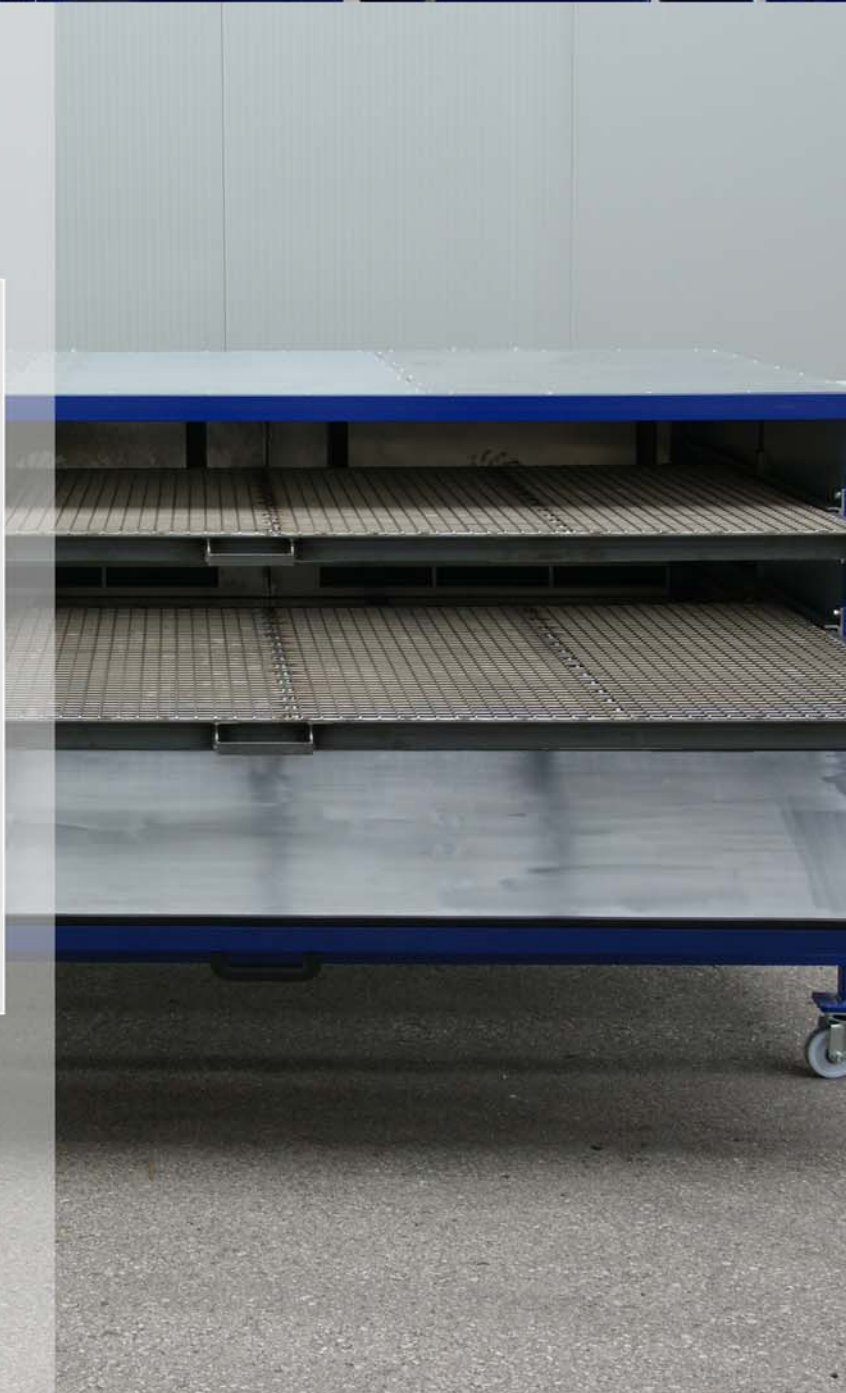
### It's that easy:

#### Heating of the work pieces:

- place the thermoforming material on the pulled out working surface
- slide the working surface back into the thermo heating unit
- 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

#### Vacuum forming of the heated thermoforming material

- place the hot thermoforming material in the vacuum press on the prepared mould (VACUFORM, VACUPLUS or MULTIMAT)
- 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



Picture with 2 pull-out working surfaces (optional)

## **PROFITHERM – the Professional Heating Unit for all Thermoforming Materials**

PROFITHERM is an economically, professional Thermo Heating Unit for all thermoforming materials. The heating unit heats materials equally from all sides. The following forming process (e.g. with COLUMBUS vacuum technology) is then carried out with the optimal forming temperature. PROFITHERM for heating both sides of solid surface materials like: CORIAN, VARICOR, GETACORE, SCHOCK, PLEXICOR, MARLAN, etc. PROFITHERM for all other thermoforming materials like: ABS, PC (Makrolon), PMMA (Plexiglas), PET-G (Vivak), PS, PP, PVC, etc.

PROFITHERM 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.

PROFITHERM is also suitable for pre-drying, tempering and thermo treatment of thermo materials up to +200 °C (e.g. PC - Makrolon, extruded PMMA, etc.).

The unit can be used for a single piece or batch production.

### **Thermoforming for new profitable markets!**

PROFITHERM for heating! - VACUFORM / VACUPLUS for forming! This is the perfect combination 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.



Picture with 2 pull-out working surfaces (optional)



**Technology for professionals:**

- variable temperature setting +200 °C
- built-in timer
- electronic temperature control
- innovative circulating hot air system
- temperature distribution 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

**User friendly operation:**

- one pull-out working surface with stainless steel grid, pattern 30 x 30 mm
- working height of working surface: 900 mm
- adjustment of material thickness not necessary
- easy placing and removing of the work pieces

**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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