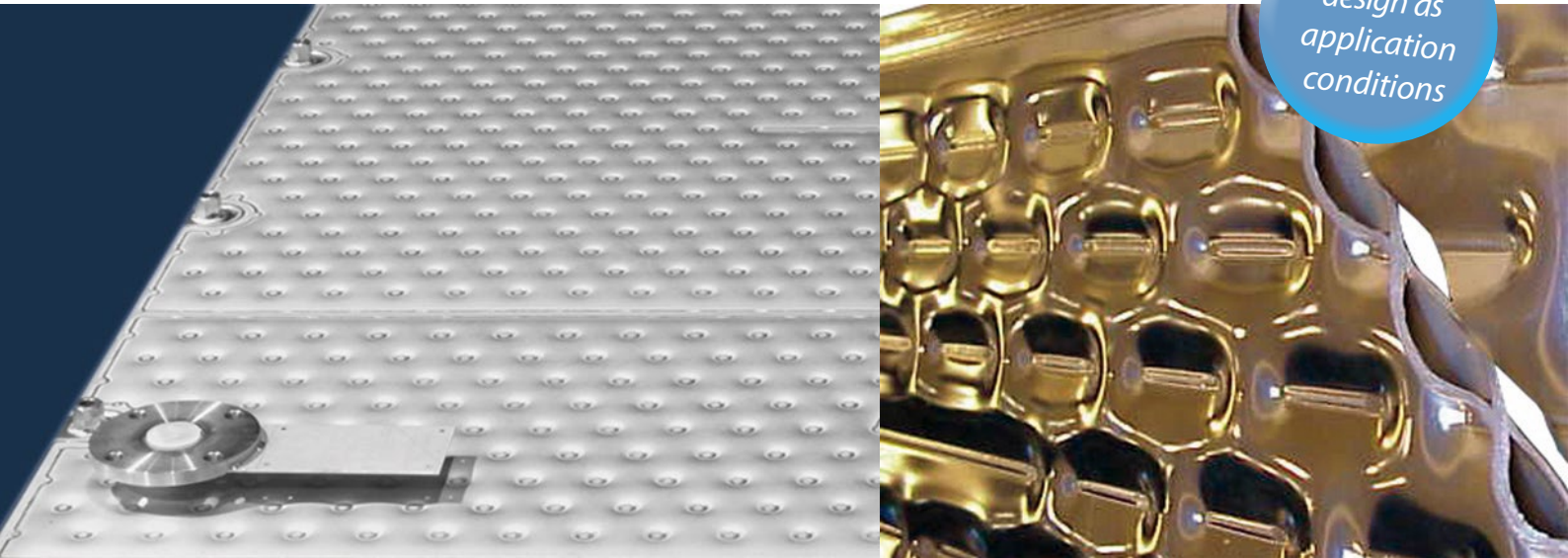


Dimple Plates

made of Stainless Steel or Carbon Steel

*flexible
design as
application
conditions*



APPLICATION FIELDS

Industrial chilling of food

- Fish, meat, poultry
- Fruit, vegetables
- Milk, milk products
- Production of baked goods

Chilling in the production of

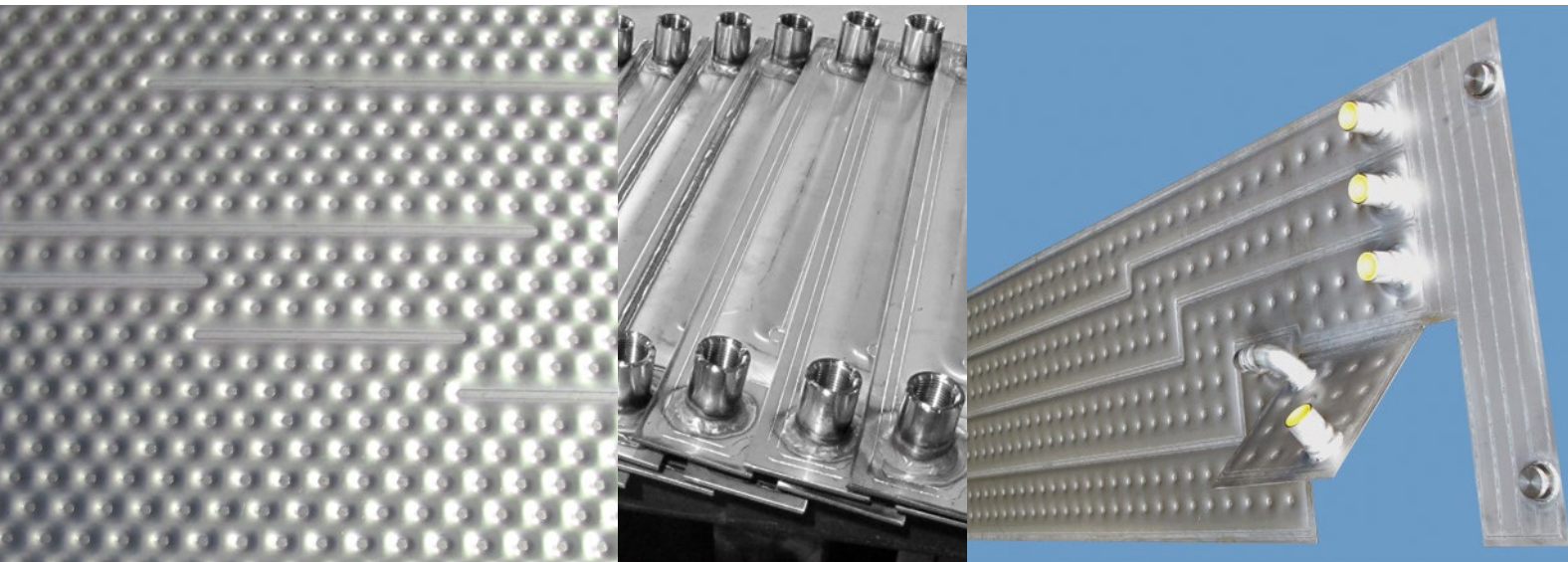
- Chemicals
- Pharmaceuticals

EFFICIENCY

The big heat exchange areas ensure a safe process operation with homogenously guided temperature control. The u-values will only be influenced marginally, when pollution or dirt covers the panels. Favourable temperature differences direct at the process media result in a much better efficiency compared to compact external heat exchanges.

At the same time products, especially foods, are treated very gentle.

The flexible design of the dimple panels allows tempering of products during other process steps. That secures another separate thermal process step and often increases the product quality. Our experienced engineers would like to support you to integrate the dimple panels into your process.



PIC LEFT TO RIGHT Individual channel design; BUCOplate 120 x 400 mm;
BUCOplate 1000 x 12000 mm

APPLICATION AND BENEFIT

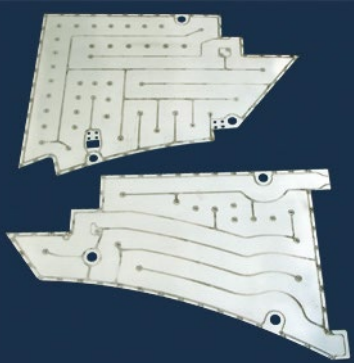
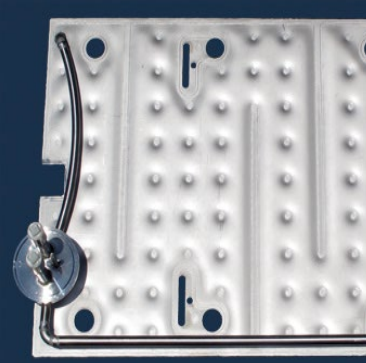
- Homogenous tempering of liquids in tanks
- Conciliatory tempering of foods
- Heat transfer from polluted media and media with particles
- Additional functions:
 - as flow breaker in agitator vessels
 - as carrier platform f.e. for freeze drying or continuous fryers
 - as vibration transport channels for pallets

Individual design in measurement, shape and material allows flexible use in many industries and extend the normal standard.

SPECIFICATIONS

Material according to application specification:

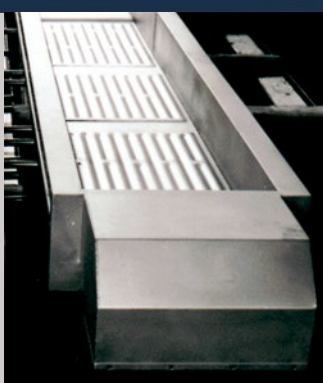
- Carbon steel or stainless steel as: AISI 304, AISI 316L, AISI 316Ti up to titanium.
- Heat exchangers for water, glycol, thermal oil or steam inside the panels.
- Evaporators for all refrigerants used as pump system or dry expansion system.
- Chanel design according to individual calculation by experienced engineers.
- Certification: TÜV, PED, TR CU (GOST).
- Design according to ASME



RADIATION SHIELDS FOR CHILLING, INDIVIDUALLY DESIGNED



HEATING BLADES IN A DRUM FOR TOBACCO CONDITIONING WITH STEAM, VIBRATION TRANSPORT CHANNELS FOR TOBACCO



MELTING THROUGH FOR WAX, WITH ROUND CORNERS AT EDGES AND COLLARS

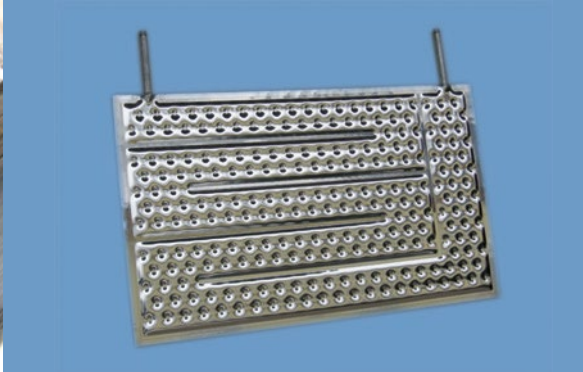
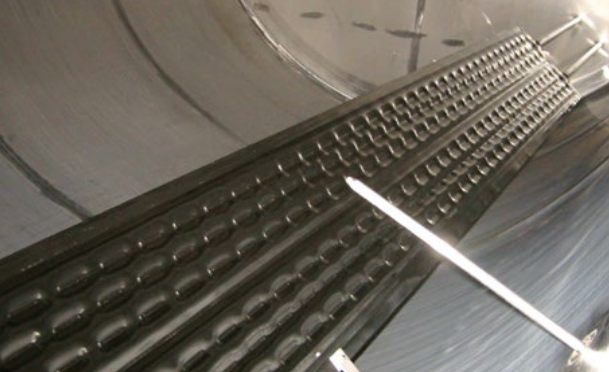
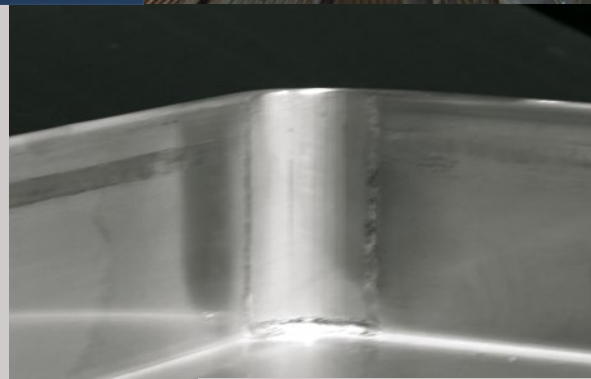
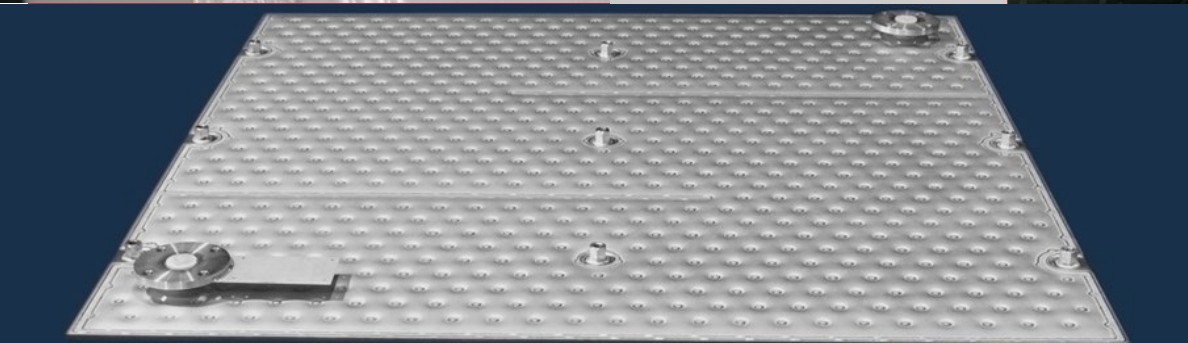


PLATE FOR WINE COOLING WITH GLYCOL; HEATING PLATE FOR THERMAL OIL



ROLLED PANELS AS VESSELS OR FOR VESSELS



CARRIER PLATE FOR CONTINUOUS FRYING OF MEAT, WITH FEMAL SREWS FOR LEVEL ADJUSTMENT

ADVANTAGES

- Homogenous and conciliatory tempering of products
- Easy access
- Easy cleaning
- Reliability
- Long lifetime due to individually chosen materials
- Any design possible according to application criteria or demand
- Integration into vessels for mechanical and thermal doublefunction

DESIGN AND DIMENSIONS

- sizes from a hanky up to 12000 x 2000 mm
- wall thickness form 0,8/0,8 up to 3/3 mm with double embossed profile
- up to 12 mm groundplate with single embossed profile,
- rolled plates as well
- operating pressure up to 20 bar, in special cases up to 50 bar.

“BUCO Dimple Plates for more than 50 year.”

“More than 500.000 BUCO Dimple Plates in operation.”

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