



solidS clean design applies in compliance with the machine directive to **processes for aggressive media** and such, which **must be free of iron oxide or free of ferritic particles**. Furthermore for food and cosmetic products, if a risk analysis according to HACCP had shown that product is microbiologically not sensible and a hygienic category acc. EN ISO 14159 is not applicable.

- **Parts in contact with product executed in stainless steel** in a suitable alloy, respectively equal casted materials. Requirements of corrosion resistance must be fulfilled for selecting suitable alloy.
- Dimensioning and design according relevant norms and directives
- Wall thicknesses and weldings according to strength requirements
- Intermittend weldings allowed
- Pressure proof or pressure shock resistant construction parts with the required confirmations
- Support structures with static calculations as far as necessary
- Sealings in suitable design
- Surfaces: Constructions up to 4mm wall thickness with surface quality 2D according EN 10088, over 4 mm 1D, casted parts glass bead blasted  $Ra = \sim 12,5 \mu m$ , permitted casting defects according quality class VC3 acc. DIN EN 1370
- Weldings in general acc. EN ISO 5817 quality class C
- Weldings brushed or pickled and passivated free of streaks
- Optional weldings continuous free of gap
- Optional electropolished
- Support constructions in carbon steel, surfaces with chemical descaling, grounded and painted
- Optionally support constructions galvanised
- Optionally support constructions in stainless steel

