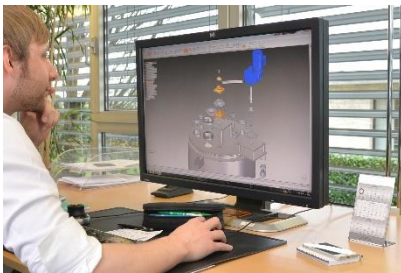




BECHTIGER EDELSTAHL AG

Competences - an overview



Plant engineering and construction

- 3D design with SolidEdge in all standard file formats (dwg, dxf, step, iges etc.)
- RI-CAD for schematic drawings for process engineering
- Design of mechanical engineering plants and components for the pharmaceutical, food and chemical industries and for environmental engineering
- Focus: Stainless steel (pressure-)tanks and piping



Tank construction

- Upright cylindrical tanks for interior and exterior use
- Horizontal cylindrical tanks for interior and exterior use
- Cuboid tanks for interior and exterior use
- Energy jackets for heating and cooling incl. insulation
- Agitators for mixing and blending
- Materials: 304, 316L, 316Ti, duplex and alloy steels
- Surface finishes: bright 2B, ground 4N, Ra up to < 0.1



Pressure tank construction

- Cylindrical pressure tanks in accordance with 2014/68/EU and ASME
- Acceptance including full documentation and certificate of conformity of pressure equipment
- Dimensioning in accordance with AD 2000
- Certified welders and testers

BECHTIGER EDELSTAHL AG

Wiesenstrasse 8, 9327 Tübach

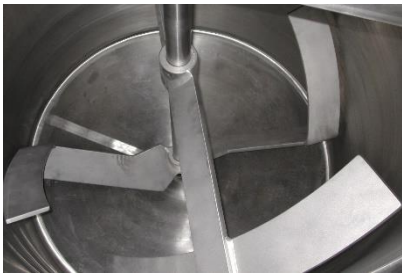
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Pipework construction

- Manufacture and assembly of welded pipes
- Manufacture and assembly of press-fit pipes (Inoxpress)
- Series or one-off welded fittings or pipework components
- Diameters from 6 to 704 mm
- Wall thickness from 1 to 12.7 mm
- Materials: 1.4301, 1.4404, 1.457, duplex and alloy steels



Agitators

- Configurations and calculations
- Propeller, beaker and dissolver agitators up to 3000 rpm
- Anchor, helix and UZ agitators for viscous media
- Sterile and ultra-hygenic applications
- Vertical and horizontal agitators
- Frequency converters and control modules
- Service, repairs and consultation



Service and maintenance

- On site consultations and measurements
- Repairs to stainless steel, steel, aluminium or titanium tanks and pipework
- Extension or modification of existing tanks and system parts
- Pipework adjustment or re-routing
- Relocation and connection of tanks and systems



General stainless steel and aluminium processing

- Load-bearing or decorative metalwork constructions
- Folding, bending and rolling of sheet parts up to 4 m
- Flanging of round sheet parts radius 5 to 50 mm
- Rolling of pipes and profiles
- Laser-cut parts from 0.5 to 30 mm wall thickness
- Pipe laser-cut parts from 1 to 4 mm wall thickness
- Profile length cutting and contour cutting



Welding technology and surface treatment

- Assembly of complex welded structures
- TIG, MAG, electrode welding processes
- Non-destructive weld testing
- Pickling and passivation in bath or locally
- Electropolishing of parts max. 3x0.8x1.2 m
- Glass bead blasting and barrel finishing