

KASAG



Plant
Apparatus
Pressure vessel
construction

Experts for design, engineering and welding

We meet your requirements **globally**

Swiss precision and quality from the Emmental for the global industrial market

You are part of an environment in which product reliability and impeccable product quality enjoy top priority. You have to put full trust in your partners and put very great demands on them. This is what connects us, because we want customers who set very high standards.

With KASAG Swiss AG as a partner for the design, engineering and construction of apparatuses, vessels, pressure vessels, reactors, filters, heat exchangers, modules and plants for global use, you are on the safe side.

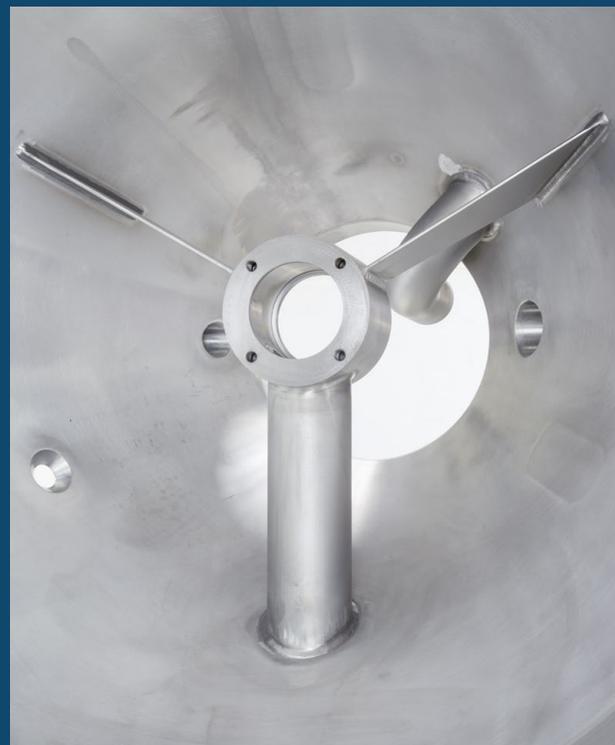
We are the experts for the welding of stainless steel and special materials such as Hastelloy and Duplex.

In close collaboration with our customers, we calculate and design plant components and systems for the chemical and pharmaceutical industry and for the fields of bio and food technology.

Decades of experience, well-founded expert knowledge, and a strong awareness of quality characterize our company as a competent partner.

KASAG is provided with a wide range of manufacturer approvals for the worldwide supply of pressure vessels, process equipment and plants.

Both the origin of the materials processed and the production steps are documented in detail and their traceability is always guaranteed. Furthermore we can offer almost all testing methods required in our organization.





We offer a universal range of services

Product range

Pressure vessels, reactors
Apparatuses, pressure vessels for pharma, biotech
Process vessels, storage tanks
Plants, modules, components, skids, panels
Filtration technology
High-pressure apparatuses and plants
Heat exchangers, evaporators, condensers
Cryogenic vessels, cryogenic technology
Nuclear technology
Vacuum chambers, vacuum apparatuses
Columns
Transportation containers
Welded constructions.

Machinery for object sizes

Vessel diameter	up to Ø 4 m
Object weight	up to 13 t
Object length	up to 16 m

Certifications, manufacturer approvals

ISO 9001 / ISO 3834-2
PED (EN13445 / AD-2000)
ASME (U-Stamp, Code Section VIII Div. 1)
China Stamp (A1), China License
TP TC 032/2013 (EAC), Customs Union
In addition to our existing manufacturing approvals, we are able to perform the respective approval procedures for almost every country around the world (e.g. Singapore, Japan, Malaysia, Canada, etc.)

Engineering

Strength calculation according to regulations
FEM (finite element analysis) calculations
Earthquake, wind loads and nozzle loads
Constructive design, engineering, optimization, choice of material, surfaces
Coordination with regulatory authorities
Constructive implementation and bills of material
CAD systems: Autodesk (AutoCAD 2D, Inventor 3D)

“In collaboration with our ambitious customers, we implement individual and complex projects in business fields ranging from chemicals, pharmaceuticals, biotech, cryogenic technology and nuclear technology with strong passion.”



Additional services

In addition to our existing activities, we design complete modules, components, skids, panels and plants. Furthermore we offer specific services. They include comprehensive engineering on the basis of specifications as well as P&I diagram for your apparatus and pressure vessels in 3D Inventor, including the pipeline routing required.

If required, we'll attend to the purchase management of the purchased parts for you, prepare the electrical and pneumatic wiring including control system, and implement comprehensive testing procedures.

? Do you have any questions?

If you have any general questions regarding offers and the construction of plants, apparatus, pressure vessels, our experts will be glad to assist you:

Phone +41 34 408 58 58
sales@kasag.com

 www.kasag.com/en/plant-apparatus-pressure-vessels-construction



“The KASAG experts are among the global leaders in the fields of process engineering, design, engineering, and the construction of pressure vessels, apparatus and plants for industrial companies.”

Materials

Austenitic, stainless steel (1.4307, 1.4571, ...)
Fully austenitic, stainless steel (1.4539, 1.4828, ...)
Duplex (1.4462, 1.4410, ...)
NiCrFeMo alloys with Ni > 40% (Inconel, Hastelloy, ...)
Al – Mn and Mg alloys (AlMg 4.5 Mn)

Surface treatment

Pickling, passivation, oxygen cleaning
Grinding, brushing
Electrolytic polishing and glass bead blasting (external)

Testing procedures

X-rays RT
Dye penetrant testing PT
Visual inspection VT
Material testing / Positive Material Identification PMI
Helium leakage testing LT
Riboflavin test
Pressure tests of up to max. 1000 bar
Surface roughness testing Ra/Rz
Ferrit measurement Fe
Wall thickness measurement
Video endoscopy
Pressure-loss test (liquid)

Welding

Our certified experts master the procedures of MIG, MAG, TIG, Plasma and Orbital welding. We exclusively use certified filler materials for carrying out our welding operations.



For technical exclusivity worldwide

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