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prozesstechnik  
**mts**+

# PROCESS TECHNOLOGY WITH SAFETY

Customised solutions for optimal hygiene, quality and safety



Process technology  
Services

Sheet metal forming  
Fittings

# Process technology

- Plant engineering

For more than 35 years, we have been planning and constructing complete process plants for our customers worldwide in the fields of:

- Food
- Cosmetics
- Pharmaceutical industry
- Chemical industry


Our core competence is in the aseptic technology.

- Modular plants

We produce process plants in our workshop in modular construction that guarantee an optimal and efficient installation on site within the minimum possible time frame.

- Pasteurised- and UHT-plants
- CIP- and SIP-plants
- Mixing and dosing stations
- Valve cluster
- Energy modules etc.





- CIP plants

Our CIP plants guarantee the highest level of hygiene for your process plants.

- Recycling CIP
- Lost CIP
- Mobile cleaning plants
- Container cleaning
- Cleaning of bulk tanks

- Tank- and vessel production

Since 1991 we are producing tanks and vessels according to our customers' requirements in our factory in northern Italy. A modern machinery with a high degree of automation ensures a constant high level of quality.

- Aseptic and pressure tanks
- Dosing and mixing tanks
- Storage tanks
- CIP-tanks / cubical tanks
- Reactors / fermenters etc.

We are manufacturing tanks and vessels according to SVTI- or TÜV-regulations.



# Stainless steel / sheet metal forming

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## • Platforms made of stainless steel...

with open or closed profile designed for the perfect working position individually designed respecting the required safety regulations.

- Working platforms
- Hanging working platforms
- Maintenance platforms
- Machine frames
- Stairs / handrails etc.

## • Sheet metal forming...

From the stainless steel-sheet metal workshop

- Cabinets, operating consoles
- Tables, coverings
- Fronts, ventilation ducts
- Labelling etc.

# Fittings



## • Pipe connections

Various unions, flanges, clamp connections and fittings in material AISI 304, 316, 316L and in 1.4435 are on stock in the standard specifications DIN, SMS, IDF and ISO.

- DIN 11851 series 1 to 3, DIN 11864-1 to 3, ISO 2852, etc.



## • Tube fittings

- Bends
- Tees, T-bends, Y-piece
- Reductions
- Hose liner
- Fittings



## • Valves and service valves

- Butterfly valves
- Diaphragm valves
- Throttle valves
- Non-return valves
- Pigging system / valves
- Safety valves
- Aseptic valves
- Ball valves
- seat valves
- Pressure control valves
- Control valves
- Sample valves
- Overflow valves
- etc.



## • Components

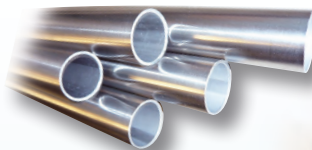
- Angular filter
- In-line filter
- Compensators
- Hose fittings
- Strainer
- Sight glasses
- Manholes
- Spray balls



## • Tubes

A wide range of tubes for

- Energies
- Food and beverages
- Pharmaceutical and chemical industries according to DIN 11850 / DIN 11866 / ISO 1127 / ASME



## • Installation accessories

- Pipe clamps
- Mounting plates
- Pipe support
- Spanners
- Various other tools



Fittings catalogue > [www.mtsag.ch](http://www.mtsag.ch)

# Services

## • Engineering

Our employees have many years of experience, provide you with competent advice and are at your disposal during the planning and the realisation. Installation schemes and layouts are drawn up on state-of-the-art CAD-systems even in 3D.

- Consulting / submissions
- Project management
- Specifications, constructions
- Project realisation
- Commissioning
- Documentation
- Training

## • Assembly

With our well-established assembly team we install process installations or pre-installed modules on sight and are at your disposal for relocations and modifications of plants.

All our assembly engineers are certified welders according to SN/EN287-1, equipped with modern orbital welding machines.

- Assembly planning
- Installing of components
- Assembly of piping

## • Qualification of plants

Our plants are verified and documented in details according to the customers' requirements.

- Material certificates, FDA-certificates
- Isometrics and welding documentations
- Ferrite- and surface control
- Welding endoscopies

## • Validation

- Design-qualification (DQ)
- Installation-qualification (IQ)
- Operation-qualification (OQ)
- Performance-qualification (PQ)

## • Service

The service performance is very much appreciated by our customers. Our service team is available for process plants delivered by us as well as existing plants.

- Maintenance
- Repairs
- Coordination
- Integration
- Commissioning

