

# FOOD & HYGIENIC solutions

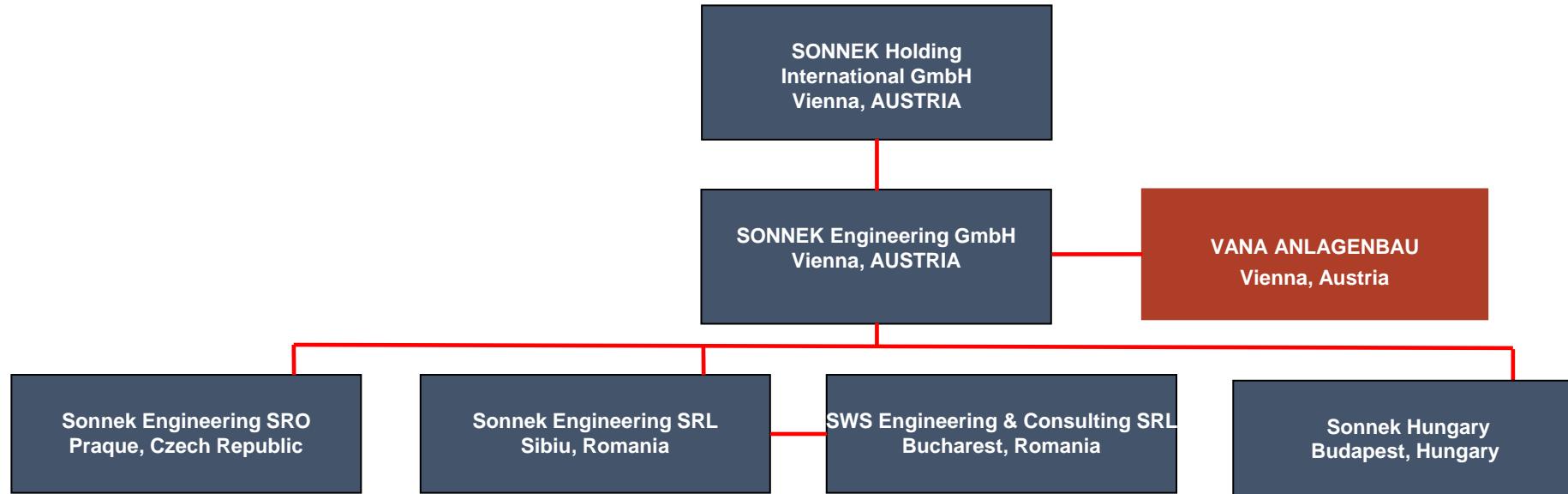


Home of Fluids

# About us



SONNEK is a family owned group with 7 sites in Austria, Romania, Czech Republic and Hungary originally founded in the year 1930 in Vienna, Austria.



Over 50 years of experience in the field of liquid and hygienic technology

## Certificates:

ISO 9001 / ISO 14001 / ISO 45000 /

ISO 3834-3 Quality of welding technology / EN 13445 pressure vessels

EN 1090-1 Manufacturer certification for heavy steel constructions



# Company History



**1914:** Foundation of *Vana Rührwerke und Apparatebau*  
by master coppersmith Ignaz Vana

**1954 to 1983:** Expansion to the pharmaceutical and confectionery industry (chocolate)  
by engineer Erich Vana

**1983:** Relocation of the company headquarters to the Vienna industrial area

**2015:** New acquisition and renaming to **VANA Anlagenbau GmbH & Co KG**  
by Dipl.-Ing. Thomas Partlic

**2020:** Participation of SONNEK Engineering GmbH (26%)

**2021-12-01 : Sonnek takes over 76% shares**



# Who is VANA



## **WHO is VANA.....**

VANA stands for plant engineering, for components up to complete plants with focus on the confectionery sector / food production / pharmacy / pressure vessel construction

The **CUSTOMER** is our focus, because we are specialized in **customized solutions**

## **KEYWORDS:**

engineering - pipeline construction - tank construction - agitators - heating - cooling - melting plants  
- pigging systems - special plant construction - pressure vessel construction

## **We also offer, subject to available capacity:**

High quality repairs - small modifications - service orders - quick solutions in stainless steel sheet/tube/profiles - from private customers to pharmaceutical companies

**Through our integrated production - everything from one source**



# SONNEK-VANA production sites



## SONNEK-VANA Austria:

- 2000 m<sup>2</sup> covered production area in Ternitz (extension under execution)



## SONNEK Romania:

- 1000 m<sup>2</sup> covered production area for the Romanian market



# Business segments

SONNEK Group is based on following business segments:



## Pump Technology

- Pump Distribution
- Pump Systems

## Project Business

- Oil & Gas field solutions
- Water treatment and filter technology
- General industrial process solutions
- System construction  
Special machines

## Railway technology

- Automatic Dewatering and water filling systems
- Electronic system for process monitoring
- Service of mechanical and electrical systems

## Food & Hygienic solutions

- Piping and container
- Melting plants
- Special plant construction
- Agitators
- Sievers
- Pressure vessels
- Chocolate fountains

## Service

- System analysis
- Maintenance
- Repair and Improvements
- Test run
- Operation

# Pumps for hygienic solutions



## Sonnek Plug & Pump "mobile"

- Plug and pump!
- compact flexible
- customer specific
- with remote control and sensors
- with tanks and containers

## QUATTROFLOW 4-piston diaphragm pump

- Flow rate: max. 20 m<sup>3</sup>/h
- Delivery pressure: max. 80 m
- steam sterilizable
- easy to clean
- very gentle
- from blood to vaccine

## HNP Mikrosysteme micro annular gear pumps

- Flow rate: max. 1152 ml/min
- Delivery pressure: max. 1500 m
- high delivery pressure, even in media with low-viscosity
- extremely low pulsation
- valveless pump with low dead volume
- self-priming

## WRIGHT FLOW lobe- & circumferential piston pump

- Flow rate: max. 190 m<sup>3</sup>/h
- Delivery pressure: max. 310 m
- pulsation-free pumping
- right- or left-handed
- electrically heated
- more sealing variants available

# Pumps for hygienic solutions



## MOUVEX Sealless rotary piston pump

- Flow rate: max. 65 m<sup>3</sup>/h
- Delivery pressure: 120 m
- hermetic pump
- sealless
- hygienic and economical
- low to medium viscosity media



## WANGEN twin screw pump

- Flow rate: max. 200 m<sup>3</sup>/h
- Delivery pressure: max. 250 m
- Max. Temp.: up to 130 °C
- compact design
- hygienic and economical
- low to high viscosity media
- reversible delivery direction



## WANGEN hygienic progressive cavity pump

- Flow rate: max. 280 m<sup>3</sup>/h
- Delivery pressure: max. 480 m
- extremely robust
- wear-resistant materials
- low to high viscosity media
- suction and open feed execution

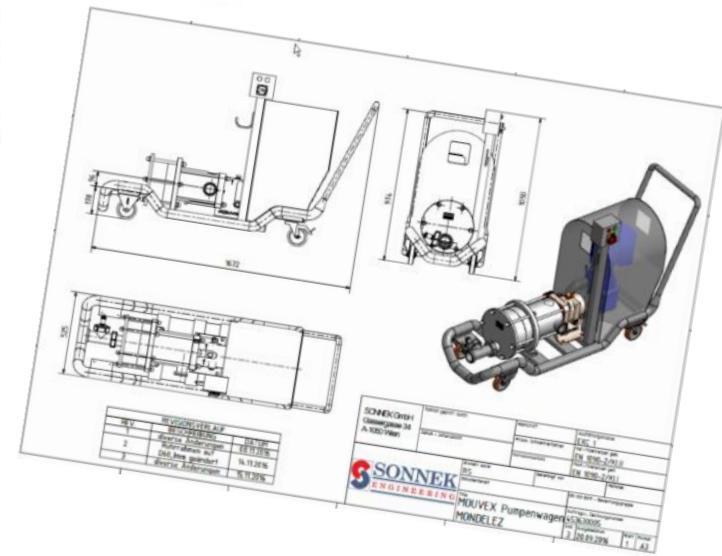
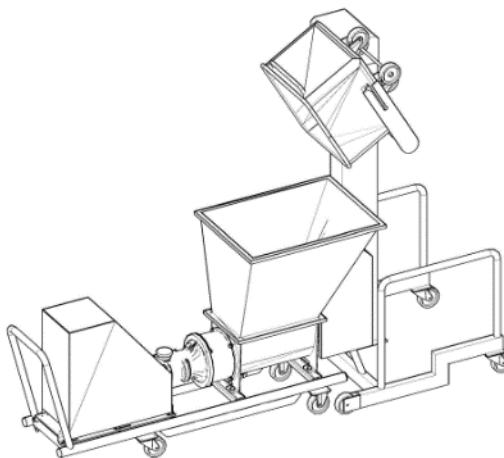


## ALMATEC High-pressure diaphragm pump

- Flow rate: up to 48 m<sup>3</sup>/h
- Delivery pressure: up to 150 m
- low air consumption
- robust design
- simple handling
- continuously adjustable depending on the air quantity

# Project examples

## PUMP SOLUTIONS



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# Hygienic solutions by Vana



## PIPING (304L/316L)

Pigging line systems  
Double wall piping  
Single wall piping  
Heating systems  
Machine connection

## TANKS 304L/316L - MELTING UNITS

Heated agitator process and Storage tanks  
Block melters Bulk melting systems Hydraulic block shredding

## PROCESSING

Tablier Machines  
Coating Mixers  
Cookers and additional equipment

## STIRRING SYSTEMS

Stirrer types:  
Slow motion  
Propeller  
Impeller  
Dissolver  
Combined mixing systems

## SPECIAL PLANTS

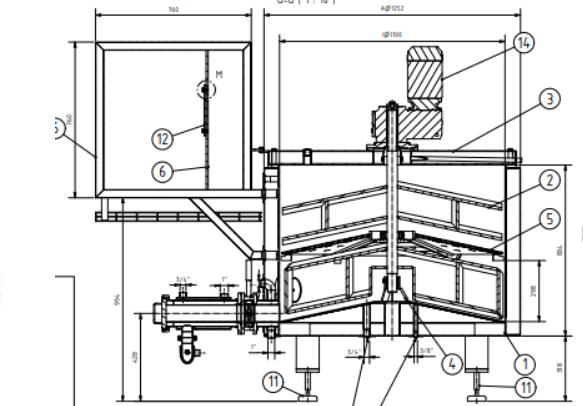
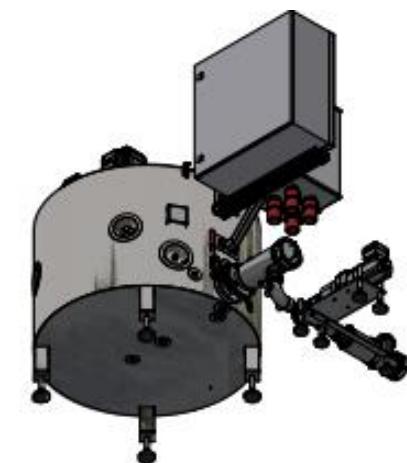
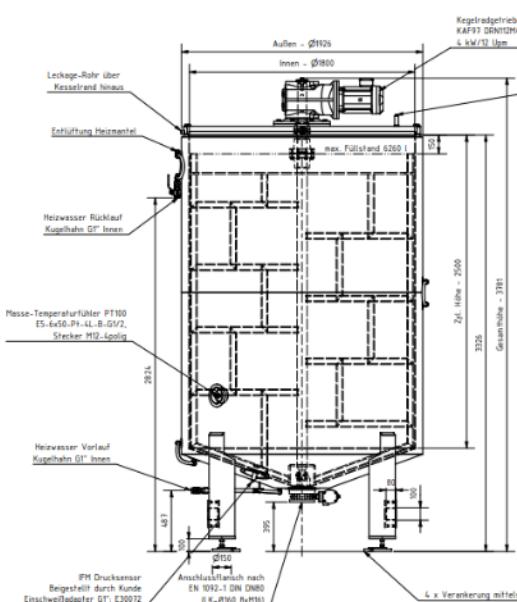
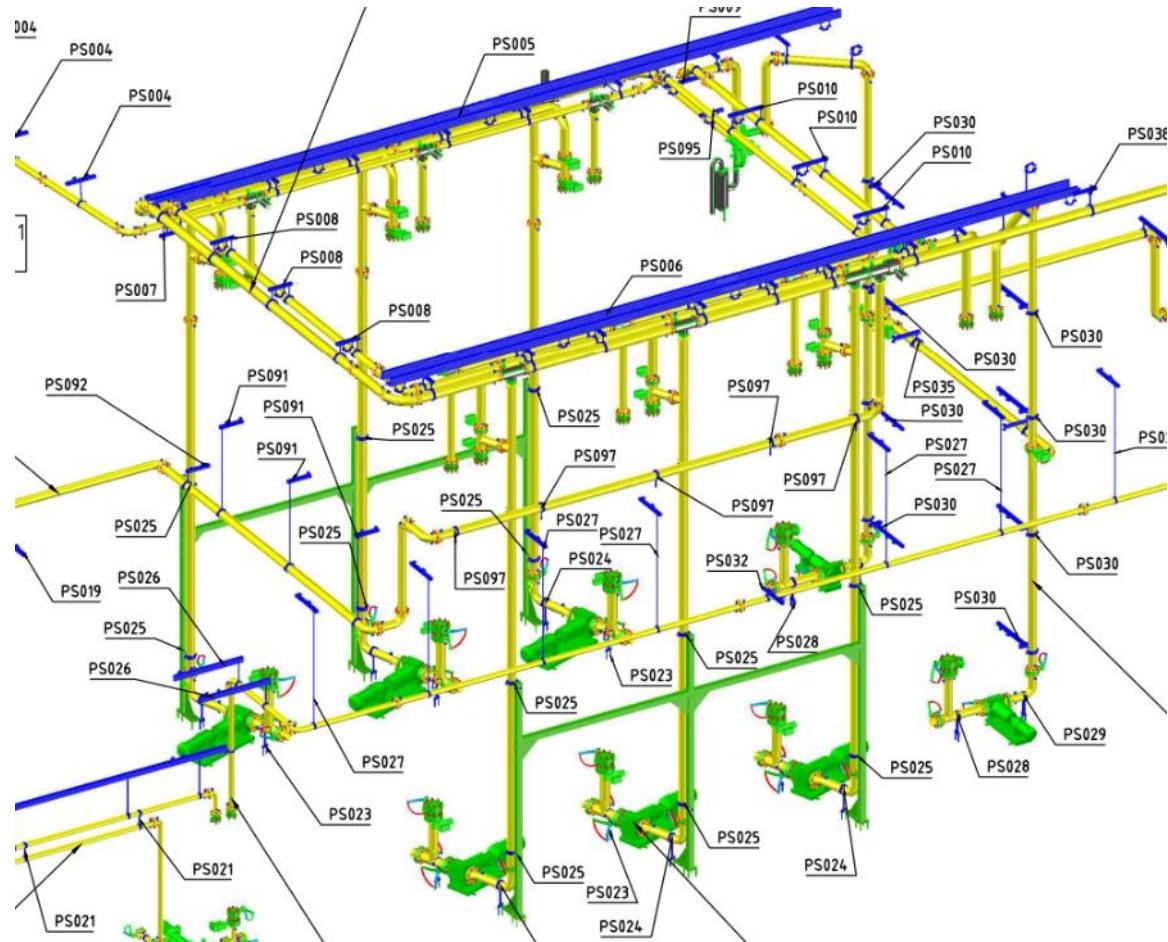
Lye Baths  
Pressure vessels  
Sieves  
Pharmaceutical Granulators  
Dekristallators

## CHOCOLATE FOUNTAINS

Exhibition Fountains  
Tasting Fountains  
International References

# Engineering

**Everything starts....** With our own Engineering and Know-How



# Piping

**PIGGING** system – DN80, 2 x 50m, Switzerland



# Piping

**PIGGING** system – DN125 / 80, 150 / 80 m, Switzerland



# Piping

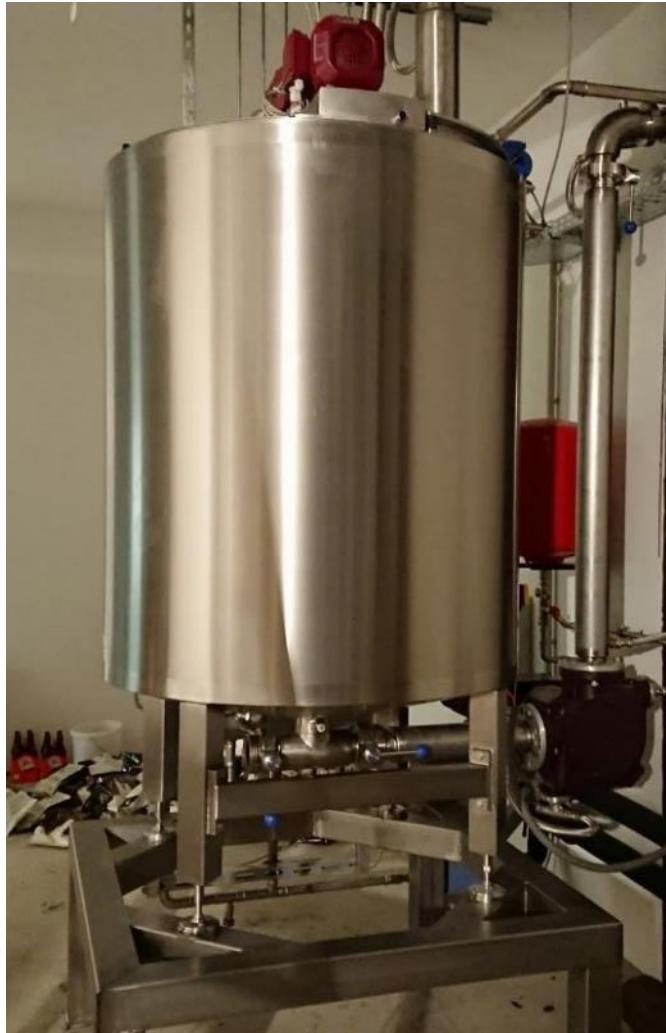
**PIPE** system double jacketed, DN 40/ 50, ring lines 2 x approx. 250 m



# Tanks and Melting Units



## HEATED AGITATOR TANKS / 250 kg - 1500 kg



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# Tanks and Melting Units



## HEATED AGITATOR TANKS

– Full Hygienic Design



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# Tanks and Melting Units



**HEATED AGITATOR TANKS** – Full Hygienic Design



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# Tanks and Melting Units



## BLOCK MELTERS – Fat/ Cocoa Butter from FAW 250-FAW 1000

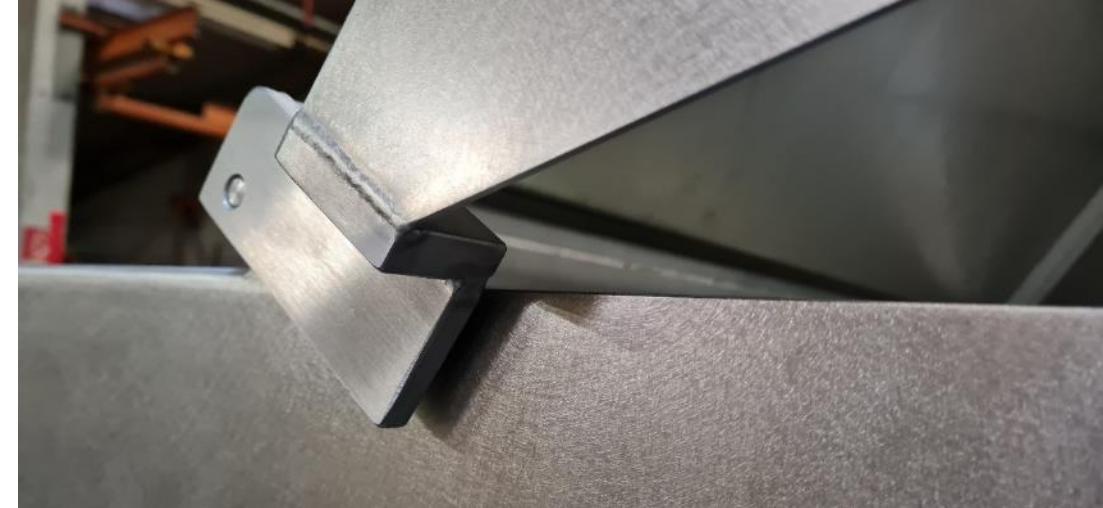


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# Tanks and Melting Units



**BLOCK MELTERS** – Fat/ Cocoa Butter from FAW 250-FAW 1000



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# Tanks and Melting Units



## BLOCK MELTERS –FAW 250-SO

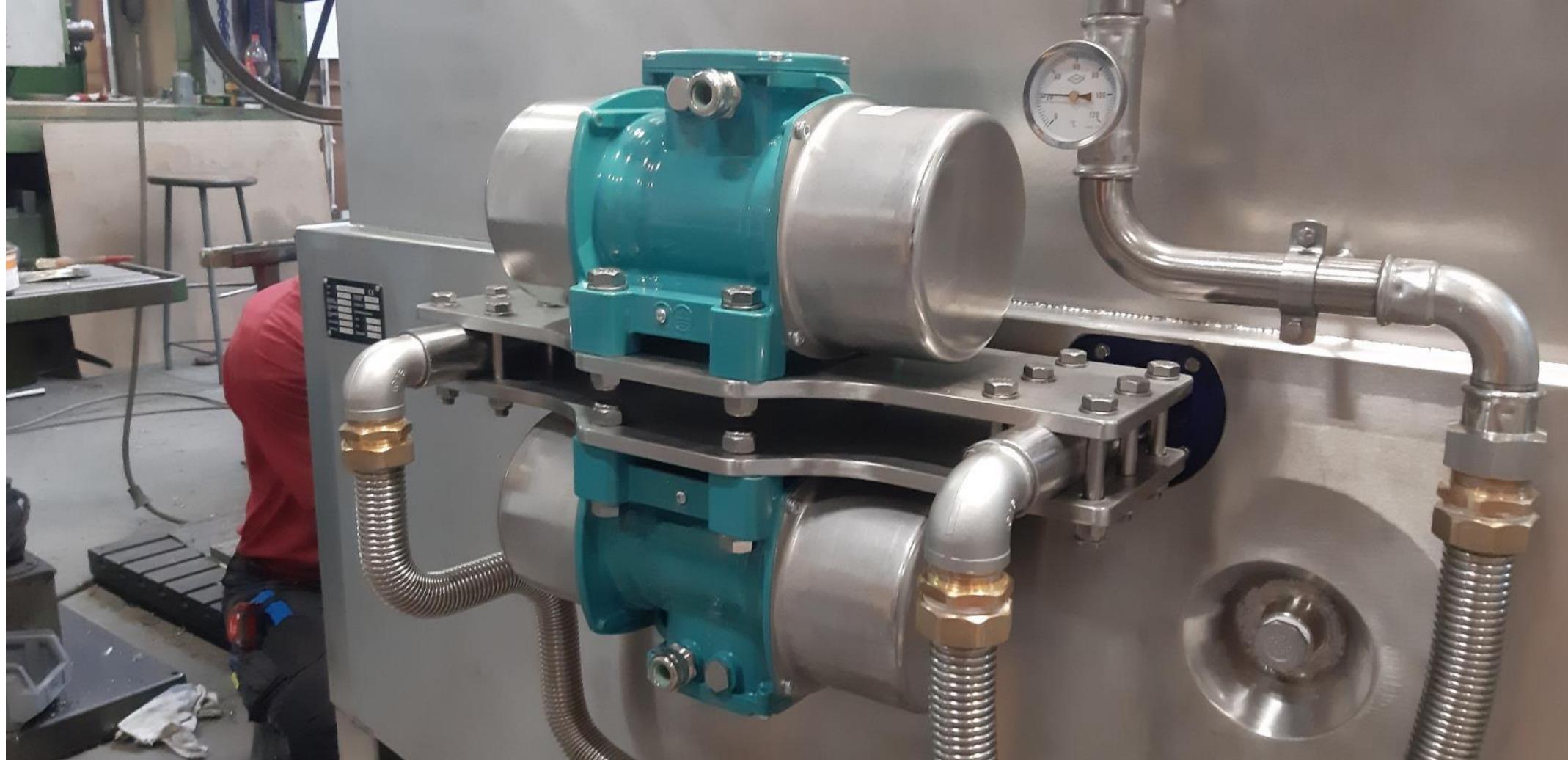


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# Tanks and Melting Units



## BLOCK MELTERS –Cocoa Mass from KAW 500 – KAW 1000



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# Tanks and Melting Units



## BULK MELTERS / SSRB600

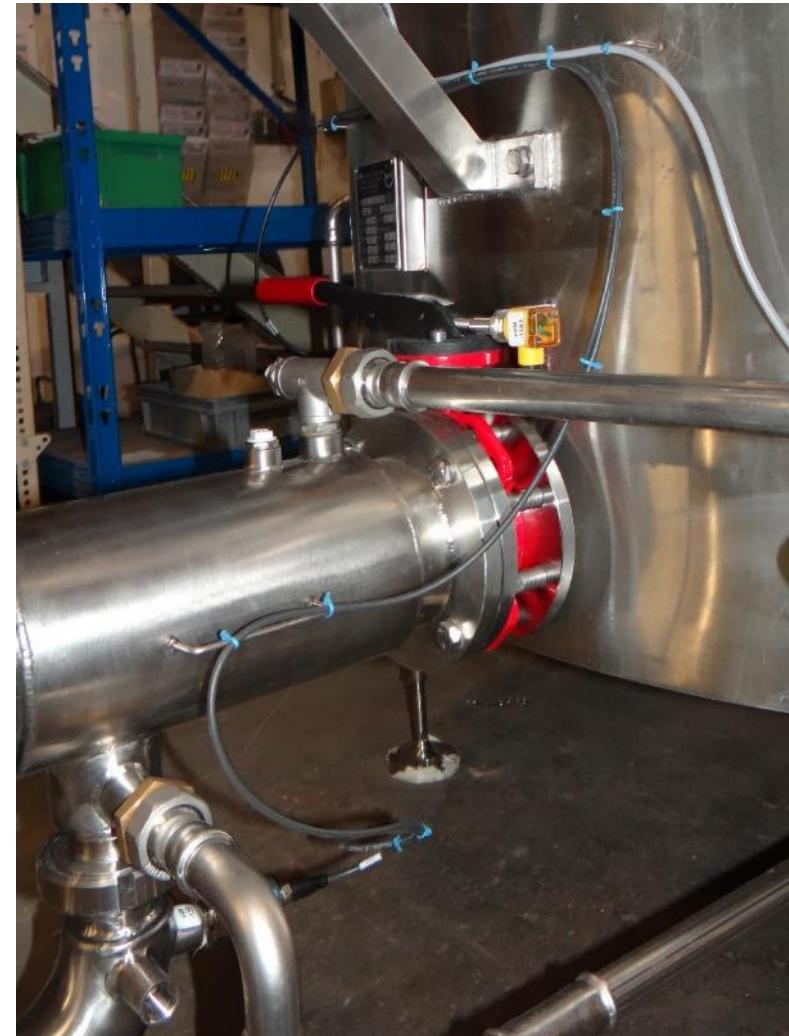


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# Tanks and Melting Units



## BULK MELTERS / SSRB600



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# Tanks and Melting Units



**BULK MELTERS** / SSRB600



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# Tanks and Melting Units

**BULK MELTERS** / SSRB400 with Flex-cooling-heating system



# Processing

TABLIER Machines / OTM 250



# Processing

**COATING** / 0DR.DRCU 200 (Drum coater)



# Processing

**MIXER** / SSRB600



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# Processing

## STEAM COOKERS

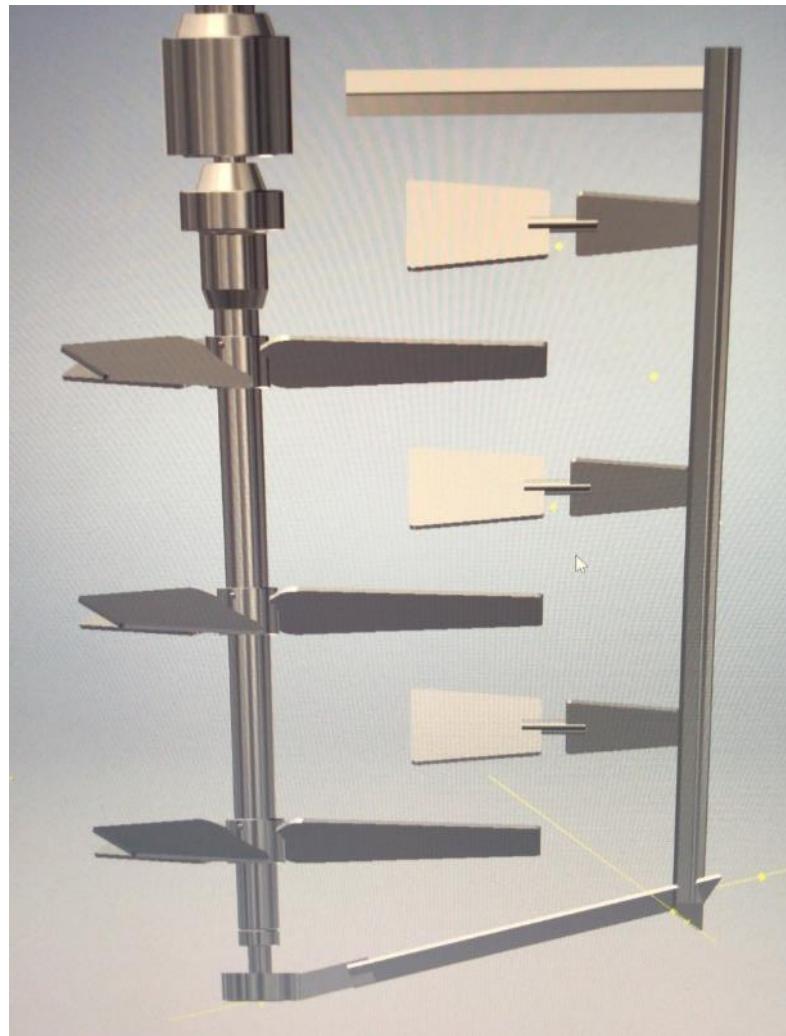
-Vakuum - Jam Cooker – Pressure vessels



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# Stirring Systems

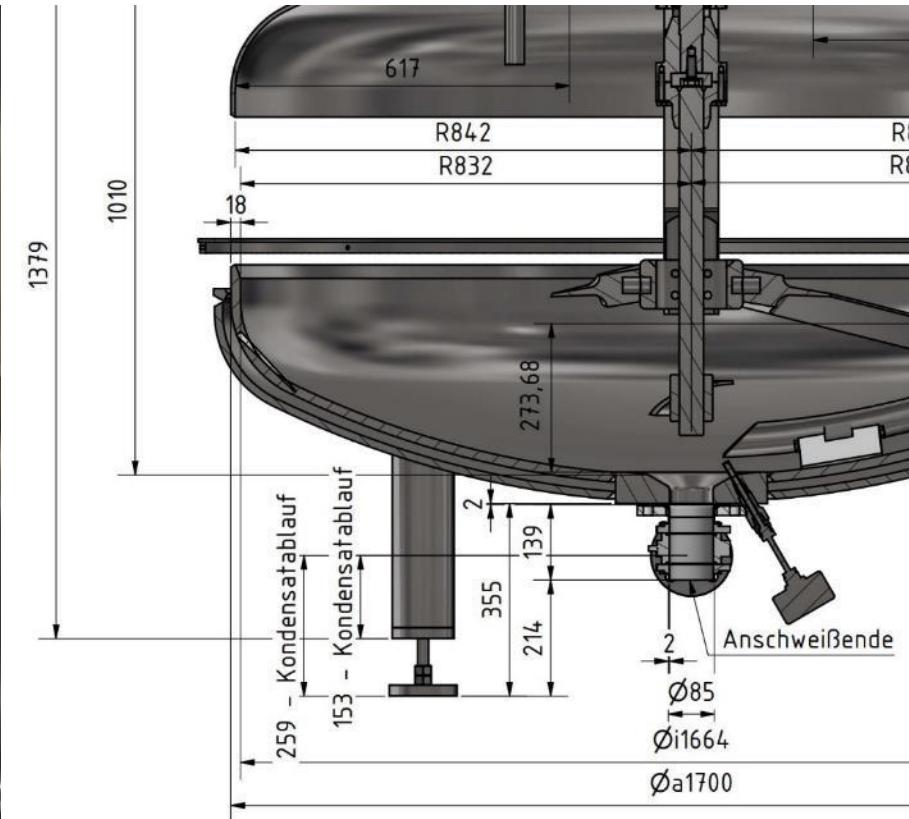
## DUPLEX STIRRING Mixing Tanks – 5t intense MIXER – Chocolate masses



# Stirring Systems



## DUPLEX STIRRING Mixing Steam Cooker Vessel – 1 t intense MIXER – Fruit Jam



# Stirring Systems



## PLASTER MIXERS

Mixer for plaster / fine plaster



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# Stirring Systems



## PLASTER MIXERS

Mixer for marmolite plaster



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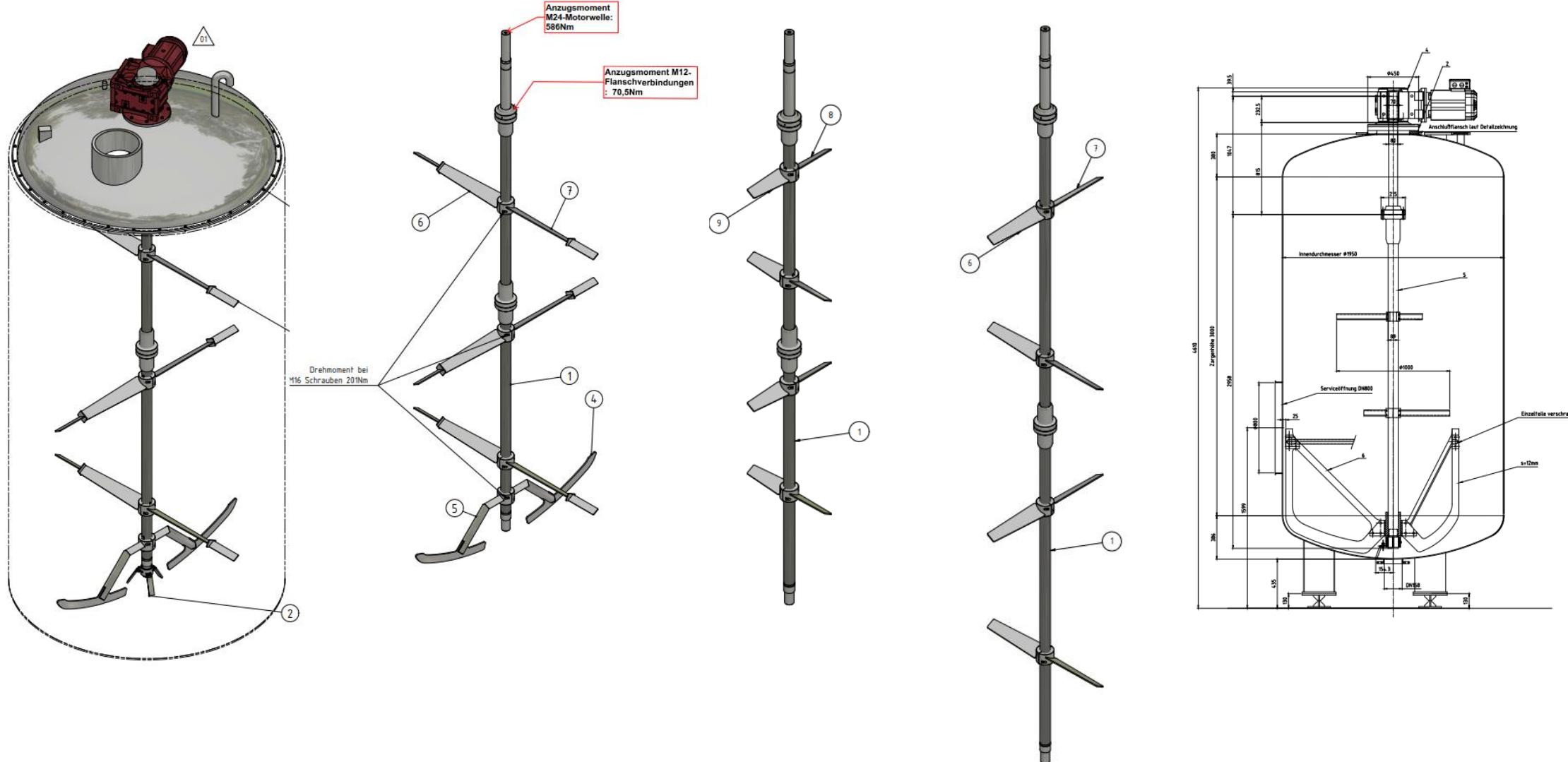
# Stirring Systems

**SINGLE and DUPLEX Examples**



# Stirring Systems

## BIG Stirring Systems (15-90 m<sup>3</sup> Storage and processing)



# Stirring Systems



**BIG Stirring Systems (15-90 m<sup>3</sup> Storage and processing)**



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# Stirring Systems

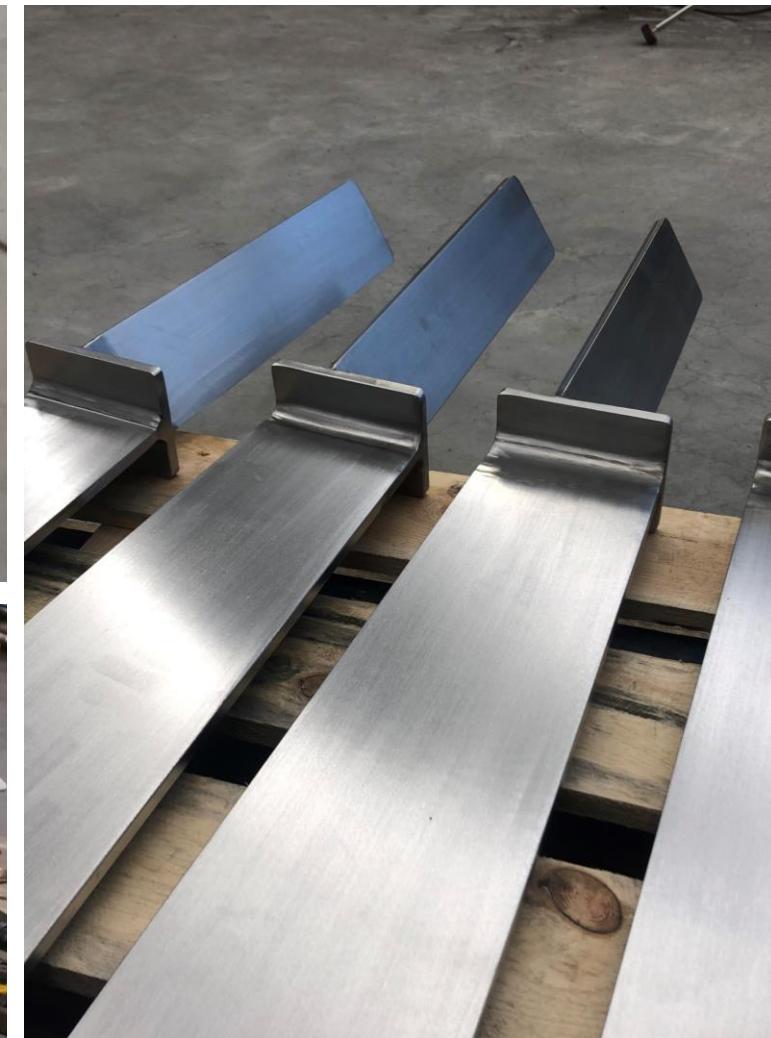
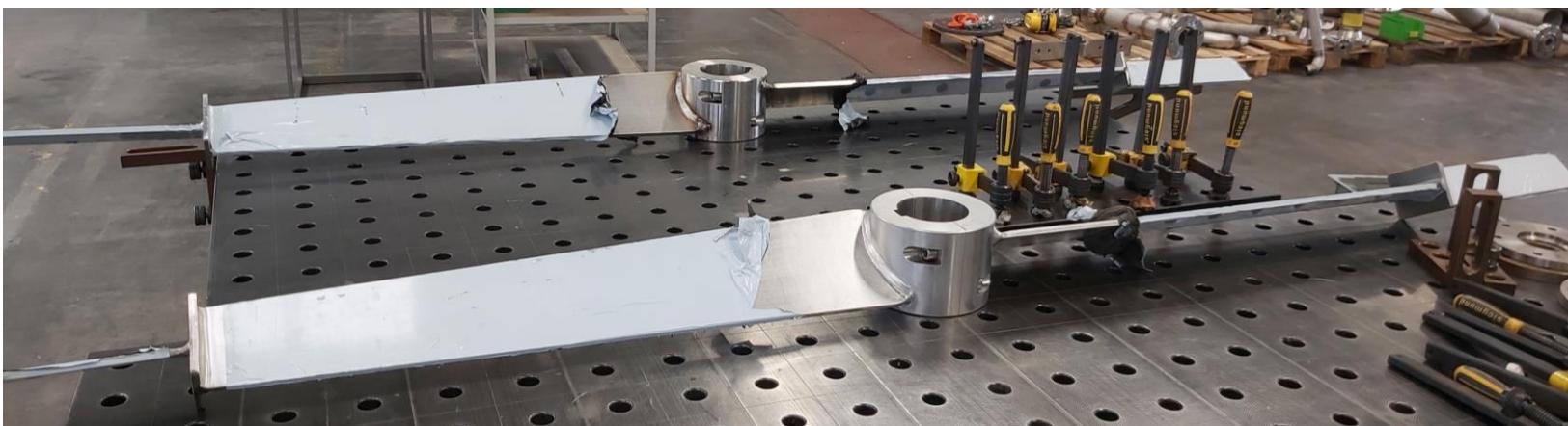
**BIG Stirring Systems (15-90 m<sup>3</sup> Storage and processing)**



# Stirring Systems



**BIG Stirring Systems (15-90 m<sup>3</sup> Storage and processing)**



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# Special Plants



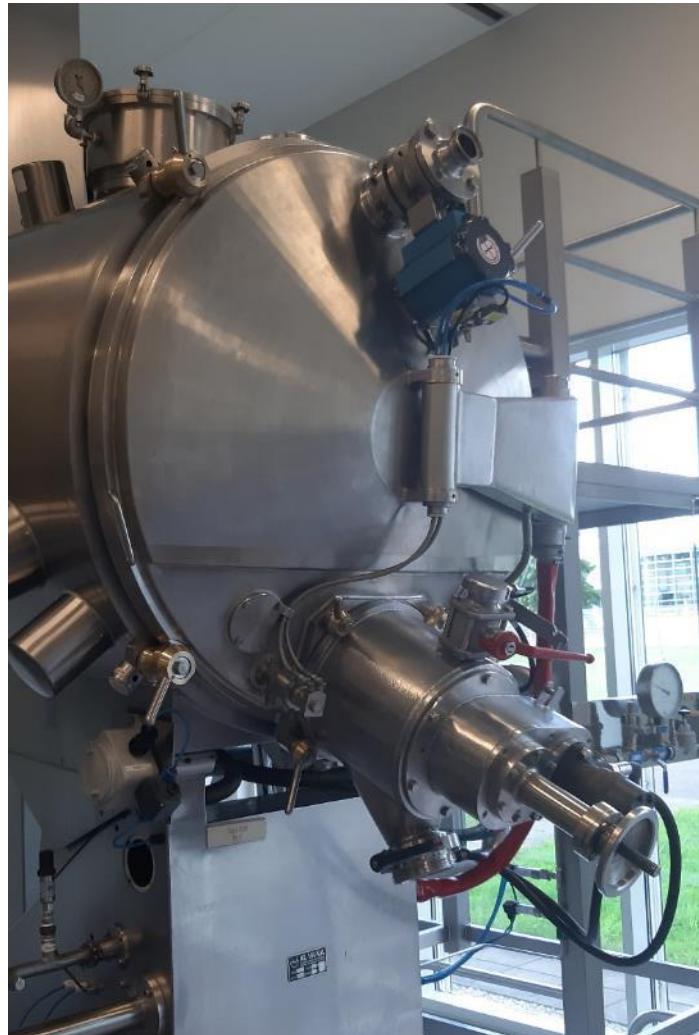
**LYE BATH** Bakery Line Unit - long Version



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# Special Plants

## VAKUUM GRANULATION - Pharmaceutical Granulator



# Chocolate Fountains

**HIGHEST free standig fountain - Lindt** Chocolate Competence Foundation / Kilchberg/CH



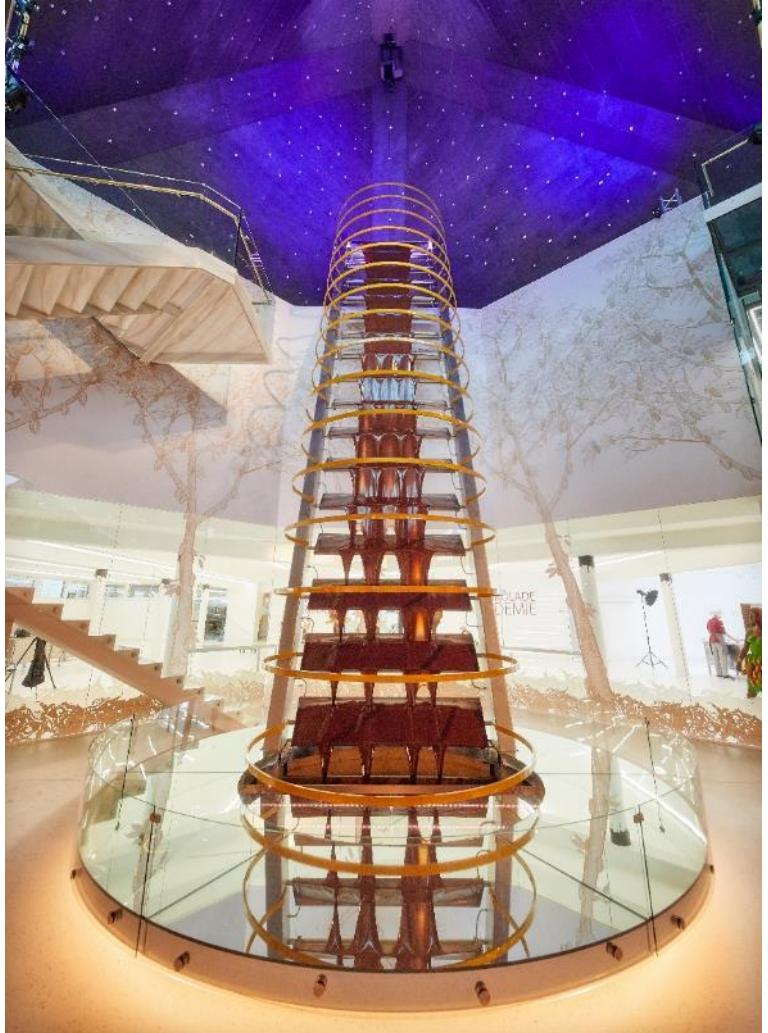
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# Chocolate Fountains



**TALLEST chocolate fountain (GUINNES Book of records)**

WENSCHITZ / Allhamming - A



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# Chocolate Fountains



**TASTING fountains** - Hamburg Chocoversum / CH-Läderach

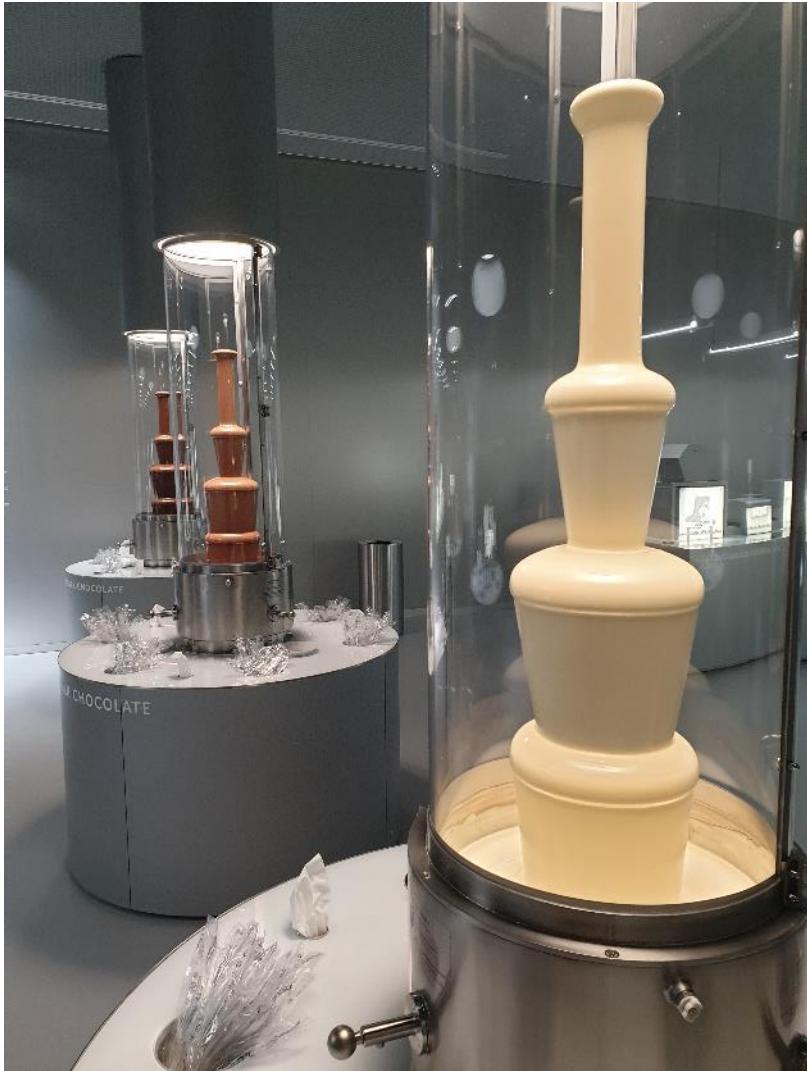


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# Chocolate Fountains



**TASTING fountains – LCCF - CH/ Bailuwan - CHINA**



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# Chocolate Fountains



**TASTING fountains –** AT-Zotter Riegersburg / CH-Maestrani



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# References



## EXTRACT OF EXISTING CUSTOMERS – food and hygienic business



Red Bull



SOLLICH



Coca-Cola



Jungbunzlauer



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# References



## EXTRACT OF EXISTING CUSTOMERS – pharma business



octapharma



patheon  
by Thermo Fisher Scientific

HABERKORN



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