

Extraction and Filling Equipment



Robust Technology for Efficient Product Discharge

Extraction and Filling Equipment

For decades GRIESER has developed and produced extraction equipment for rest-free discharging and dosing systems for low- to high-viscosity products. The ideal addition for stirrers and mixers with change vessels.

The reliable, safe and economic operation of our extracting and filling equipment in numerous industrial fields proves the quality of our machines and the flexibility of their application.

Together with our customers across various industries we are constantly working on new technologies and looking to improve steadily our existing products.

We will find the right solution for your requirements, whether it be a standard or customized configuration - from a single state-of-the-art machine to a fully integrated turnkey solution.

We are pleased to advise you.

**Designed and
Made in Germany**

System Benefits

GRIESER Extraction equipment with proven and innovative technology.

- Squeezing pressure adjusted to the products needs. Vessel pressure can be up to 300 bar and pressure forces up to 10,000 kN.
- Effective, perfect-fit vessel positioning system.
- Safe, automatic vessel-locking system.
- Nearly dead-space-free emptying of the vessels by appropriate press plate design - minimum remaining product.
- Ideal for feeding downstream dosing systems.
- Safe, bubble-free extraction without air pockets during operation as a vacuum press.
- Proven solution for vessels from the laboratory scale up to 2,500 litres.
- Easy cleaning through smooth surfaces, gap-free design and easy access.
- High operational safety through defined process control.
- Wide range of system integration and automation.
- Safety standards in accordance with the current European Machinery Directives and safety standards.



Filling...

Applications

Many applications possible in the building chemicals, chemical, plastics, dental, paint- and lacquer and pharmaceutical industry.

Typically used for the production of:

- Plaster
- Filler compounds and sealants
- Adhesives
- Silicone and rubber mass
- Dental compounds, coatings
- Colour batches
- Ointment, cream, gel, etc.



...Equipment

Your Specialist for Mixing and Grinding Technologies

Versions

Our extensive variant catalog can meet all requirements depending on the product properties, vessel dimensions, type of processing and packing and the degree of automation.

- Robust, closed frame construction for maximum stability in various versions.
- Pneumatic press with up to 3 bar squeezing pressure in vessels for low-viscosity masses. Also ideal for emptying barrels or hobboscks.
- Hydraulic press with up to 300 bar squeezing pressure in vessels for low- to high viscosity and plastic masses. Two speeds with separate hydraulic units.
 - "Rapid" setting to quickly position the press plate
 - "Press" setting to discharge the product with optimum hydraulic efficiency
- Versatile vessel feeding systems:
 - **Floor mounted set-up**
Simple design for forklift loading, framework directly mounted on the floor.
 - **Integrated lifting device**
Space-saving option, as the lifting device inside the frame is embedded in the floor and is therefore ideal for changing vessels on ground level.
 - **Lift-Swivel set-up**
Variant without floor cut-out with external swing arm. Equally good for changing vessels on ground level.
 - **Roller conveyor**
The roller conveyor supplies and evacuates the vessels, though is lowered during the extracting process.
- Extraction of the product possible through nozzels in the press plate, with barrels for example, or through nozzels in the change container.
- Temperature controlled press plate optional, depending on product requirements.
- Proven downholder for secure locking of the vessels.
- Optional ventilation system for easy pulling back of the press plate.
- Wide range of accessories for integration:
 - Volumetric dosing
 - Gravimetric dosing
 - Barell filling systems
 - Product strainers
 - Cutters for high-viscosity products
 - Shaped nozzels for extrusion compounds
- Depending on requirements -protection available for all zones according to ATEX 94/9/EG.





Laboratory

GRIESER has a well equipped laboratory at its Lampertheim site in Germany.

Here we offer the implementation of mixing experiments and the optimization of industrial processes. The results can be transferred to full-scale under real production conditions. Over decades we have established an extensive know-how in the areas of mixing and milling.

Our customers have the opportunity of borrowing a machine from our lab for a certain period of time, in order to study the advantages of our machines under their production conditions.

Filling... ...Equipment

Operation and Monitoring

Safety and ease of use are of great importance to us.


- Maximum security through two-handed safety circuit for the press plate and hood-lift.
- Easy operation of press action with foot pedal. (Only if press plate is retracted.)
- Display of process parameter: eg. power, speed, pressure, vessel temperature, etc..
- Freely configurable machine monitoring with optional remote analysis.
- PLC control with recipe management and connection to storage management systems.

Service

We are your reliable, fast and professional partner for a variety of services and many companies are provided with maintenance services in six monthly or annual intervals. This also applies to any machines not manufactured by GRIESER.

The results are documented in accordance with DIN ISO 9001:2008. With this methodology any necessary repairs are spotted on time and cost as well as downtime can be kept at a minimum.

Should an operational problem occur, we will be on hand to fix it within 24 hrs (within a 1,000 km radius). We supply all kinds of spare parts, including those from other manufactures. In addition we are also specialised to refurbish and rebuild your existing machinery.



**A professional,
fast and reliable partner for the**

- **Paint and lacquer industry**
- **Adhesive and sealant industry**
- **Building chemicals industry**
- **Chemical industry**
- **Pharmaceutical industry**
- **Food industry**

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