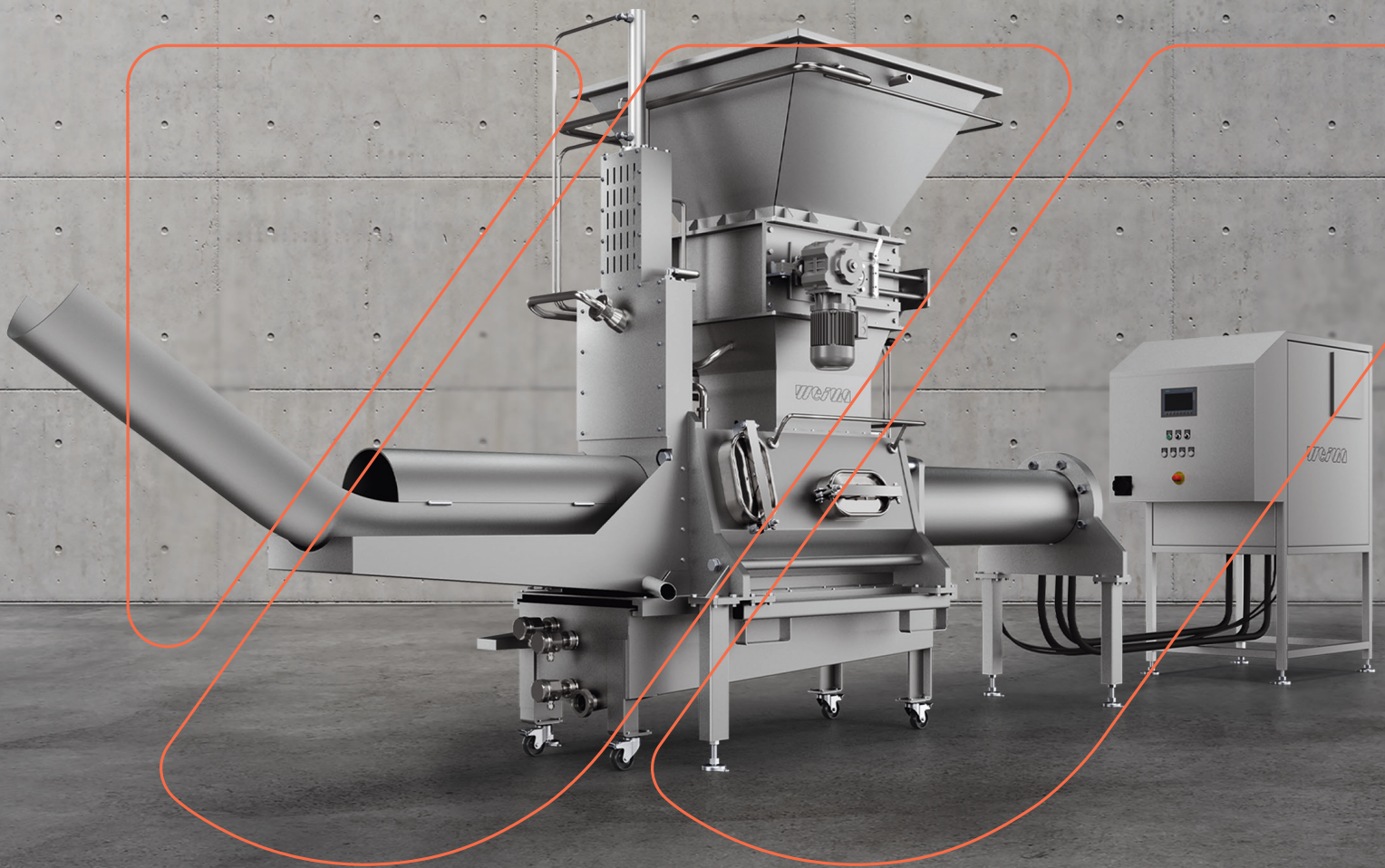




SHREDDING + COMPRESSING



**WEIMA PUEHLER G REWORK SERIES
DRAINAGE PRESSES**

TECHNICAL HIGHLIGHTS



Easy control of your ReWork line with PROFINET and Siemens PLC Control

The high-quality Siemens PLC control can be operated intuitively via the touch display. Parameters such as the pressing time, pressing force or the re-pressing function can be adjusted quickly and flexibly. Upstream and downstream processes can also be conveniently controlled via networking in the PROFINET system.

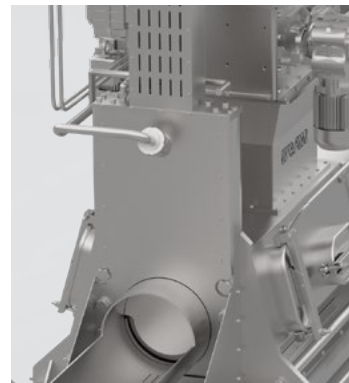
This means that you always have your entire ReWork process safely and efficiently under control.

DID YOU KNOW?

PUEHLER machines are operated with food safe hydraulic oil as standard. If required, the ReWork press can also be filled for operation with a hydraulic oil of your choice.

Clean, dimensionally stable discs through slide plate

To produce highly compacted, almost dry discs, the material is pressed between the press ram and a slide plate. This can be moved up and down hydraulically. As soon as the disc is produced, the slide plate moves upwards and exposes the discharge pipe. Consequently, a particularly high degree of compaction is achieved at maximum throughput. The solid mechanical design is extremely maintenance-friendly and resistant to impurities as well as wear.



Discharge into container or tipping trough

without the use of a conveyor belt

ReWork presses achieve increased discharge height due to the curved discharge tube. Depending on requirements, the discharge tube can be extended up to five meters. This allows the material to be discharged directly into a container or tipping trough without the use of a conveyor belt.





LARGE HOPPER

for more buffer volume

The hopper, into which the material to be drained is fed either manually, via a conveyor belt, or with a lifting and tipping device, can be selected in various sizes. Depending on the required buffer volume, you have the choice between 600 l, 800 l or 1,200 l. For the G.300 Duo ReWork we also offer a hopper with 2,000 l volume.

Designed for continuous operation

thanks to hydraulic oil cooling

These machines are real long-distance specialists thanks to their oil cooling using the heat exchanger method. All that is needed is a water connection. Unlike conventional cooling fins, the heat exchanger is more hygienic and easier to maintain. In addition, it does not have to be cleaned. The water used can then be used to dilute the extruded material to counteract unwanted foam development.



Easy post-cleaning

for particularly clean discs

The discharge tube can be equipped with a post-cleaning device to produce cleaner discs. This rinses off any remaining product buildup from the discs. The cooling water from the oil cooling system can be used for this process.

Highest throughputs

thanks to double return speed

If required, the ReWork presses can be equipped with double-pump hydraulics. This enables an increase in throughput due to the double return speed of the press stamp.

Prevent contamination

by means of a second drain pan on the discharge pipe

During recompaction, product residues can escape from the packaging and encounter packaging ink. To prevent these residues from contaminating the ReWork material, a second collecting tray is fitted under the discharge pipe. From there, the pressed-out material is drained off to the side and can then be disposed of effectively.



TECHNICAL HIGHLIGHTS



MINIMIZED DOWNTIME

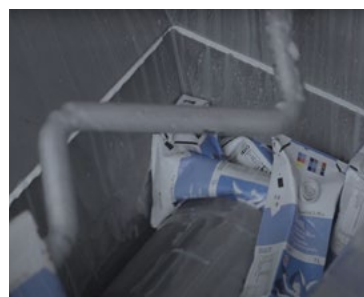
due to fully automatic cleaning system

The integrated cleaning system cleans the drainage press automatically. Nozzles inside the machine clean the ReWork press at a rate of up to 20,000 l/h. The integrated software controls the process.

Hygienically flawless thanks to hygienic design

Safe and clean. Thanks to the cleanable design, WEIMA drainage presses maintain food safety, meet hygiene standards, and simplify cleaning procedures.

This means that down time can be minimized.



Constant material feed through horizontal agitator

If required, the feed hopper can be equipped with a horizontal agitator. This prevents material bridges from forming in the hopper – a constant material feed to the pressing process is ensured.

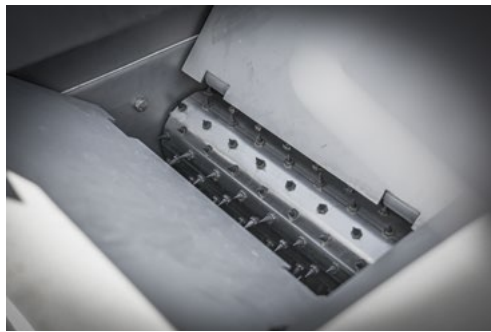
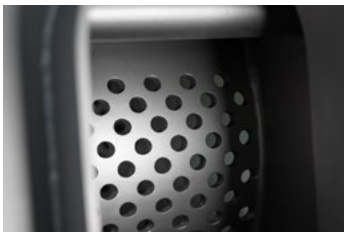


Fluid removal optimized for ReWork thanks to level-controlled pump

The sensors in the drain pan provide information on the fill level and regulate the pumping out of the drained material. If the drain pan or connected containers are full, not only does the ReWork press switch off automatically, but the upstream processes (conveyor belt or lifting and tipping device) are also stopped. Depending on the material requirements, a screw or radial pump discharges the drained liquid directly from the drain pan. This can then be used for ReWork purposes.

Optimum adaptation to material properties through individual screen size

The screen that separates the ReWork mass from the packaging is configured to suit your application. The size of the outlet holes can be between four and twelve mm. Selecting the smallest possible screen size ensures that no fines from the packaging get into your ReWork material.



Gentle opening with adjustable perforating rollers

For some packages, it is necessary to open them gently before the actual drainage process to avoid uncontrolled bursting. For this purpose, two perforating rollers rotating relative to each other are located inside the feed hopper. The distance between them can be freely selected and adapted to individual requirements. This is particularly helpful for material changes.

References



User-friendly maintenance and cleaning

thanks to pre-cleaning system and
maintenance hatches

The pre-cleaning system with special Cleaning-in-Place (CIP) piping provides reliable cleaning without having to dismantle the system or components. The press is cleaned via spray balls attached to the areas in contact with the product. The ReWork press can be optimally maintained and cleaned via five maintenance hatches.



Durable machine design made of high-quality stainless steel

For a long service life, machines of the G ReWork series are made of stainless steel. The machine body and the control cabinet are thus protected against heavy wear and corrosion.



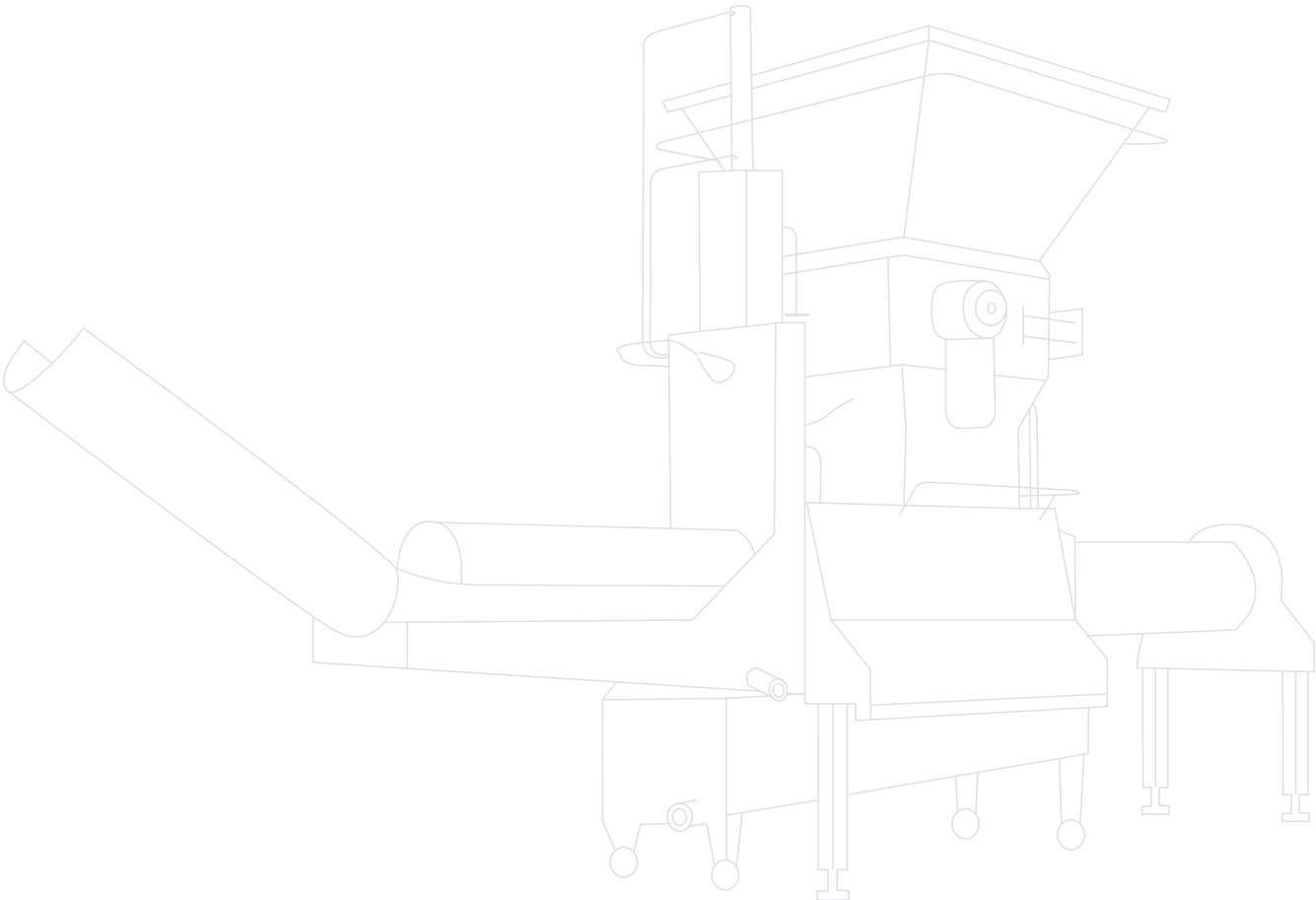


TECHNICAL DATA AND MACHINE CONFIGURATION

● Technical data PUEHLER G ReWork series

	G.300 ReWork	G.300 Duo ReWork
Disc diameter [mm]	300	300
Throughput rate [m³/h] ¹⁾	up to 12	up to 22
Performance	7.5 kW 400 V 50 Hz	15 kW 400 V 50 Hz
Residual moisture	3 - 30%	3 - 30%
Space requirement (L × W × H) [approx. mm] ²⁾	4,400 × 1,450 × 2,700	4,400 × 2,000 × 2,700

1) depending on material
2) detailed dimensions upon request



Machine configuration PUEHLER G ReWork series

● Standard ○ Optional – Not available

	G-300 ReWork	G-300 Duo ReWork
MATERIAL FEED		
Hopper 600 l	●	○
Hopper 800 l	○	○
Hopper 1,200 l	○	●
Hopper 2,000 l	–	○
Hopper (600 l) with double needle roller and swivel flap	○	○
Hopper (600 l) with knife shredder and swivel flap	○	○
Hopper extension	○	○
Lid Grid	○	○
Agitator	○	○
Needle roller unit	○	○
MATERIAL DISCHARGE		
Drain pan (200 l)	●	●
Stainless steel centrifugal pump (in drain pan)	○	○
Stainless steel pump including level probe	○	○
Screw pump (in drain pan)	○	○
Orbital screw pump	○	○
Level sensors	○	○
Quick couplings	○	○
HYDRAULICS		
Hydraulic press stamp	●	●
Cutting plate on press stamp	○	○
Aluminum hydraulic tank (100 l)	●	–
Aluminum hydraulic tank (200 l)	–	●
Hygienic design	●	●
Pre-cleaning system CIP piping	○	○
ELECTRICAL		
Control cabinet with Siemens PLC control	●	●
Electrical connection for accessories	●	●

Other variations, special equipment and technical modifications are available upon request.



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