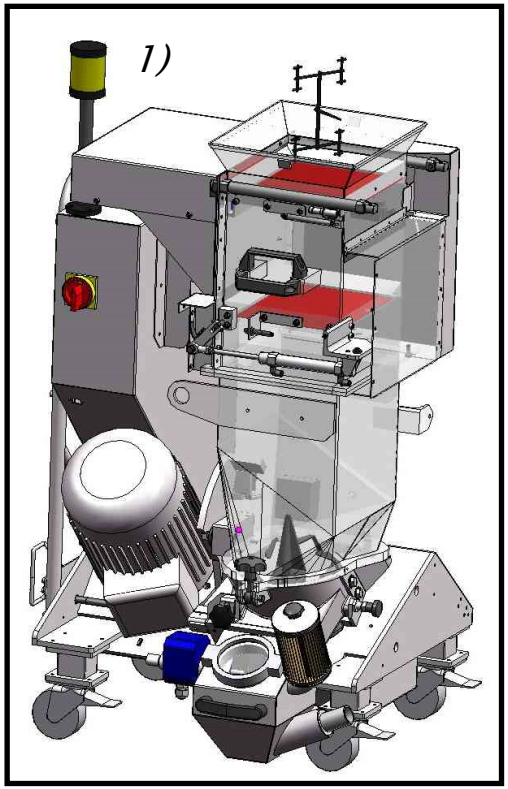
GETECHA

GRS 180 / 300

with sluice function

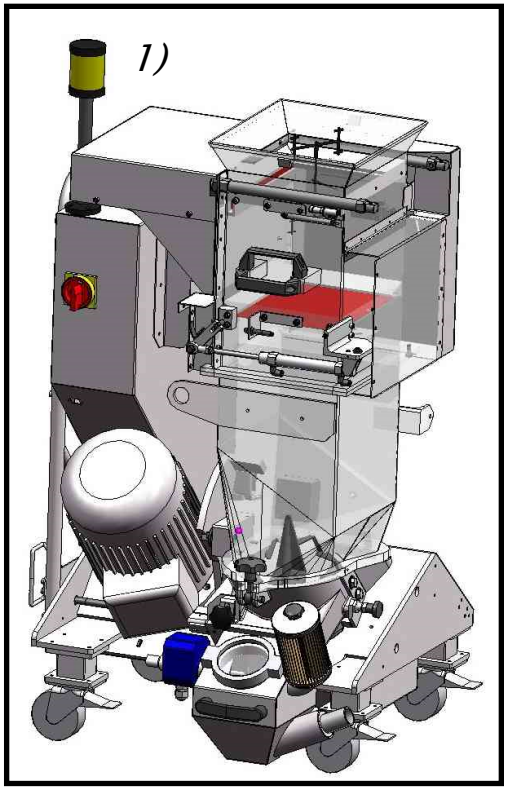
Workflow description/functionality



- **Basic position:**
  Both sluice plates are closed

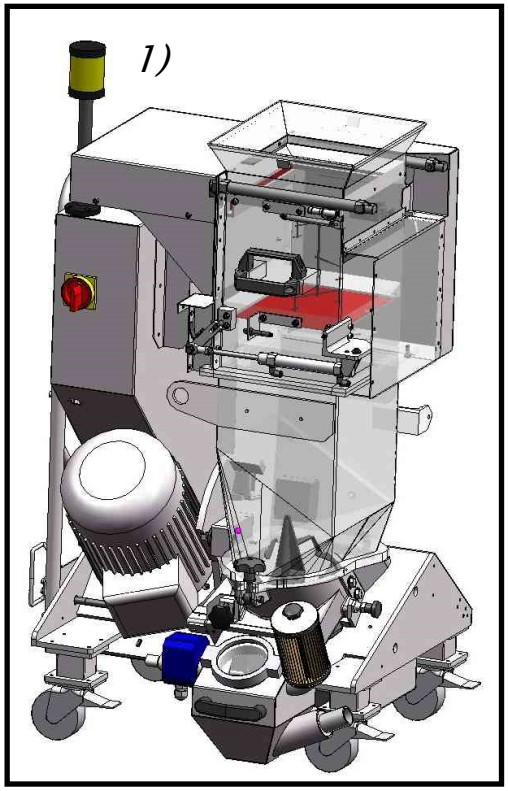
- **Sequence start:**
  Occurs by picker (external signal) or time controlled, if the grinder is positioned under the separating drum

- **Sequence:**
  Upper Slider opens completely, flap stays closed

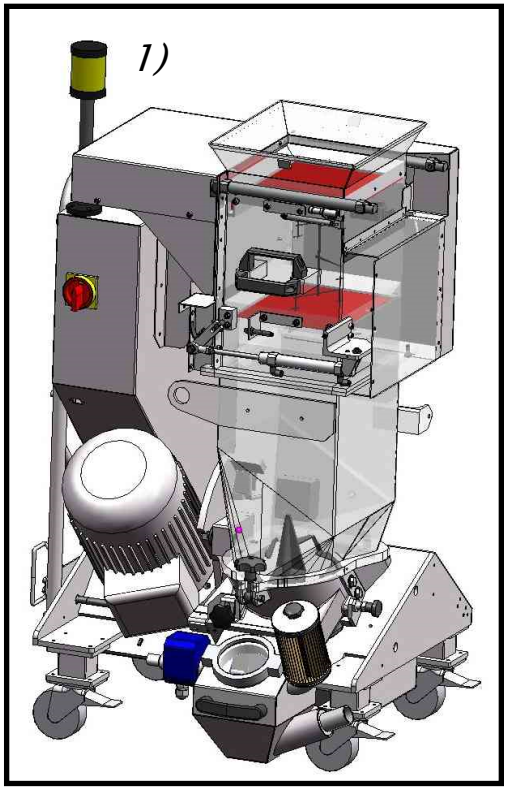


1) Optional: Warning flashing lamp

Workflow description/functionality

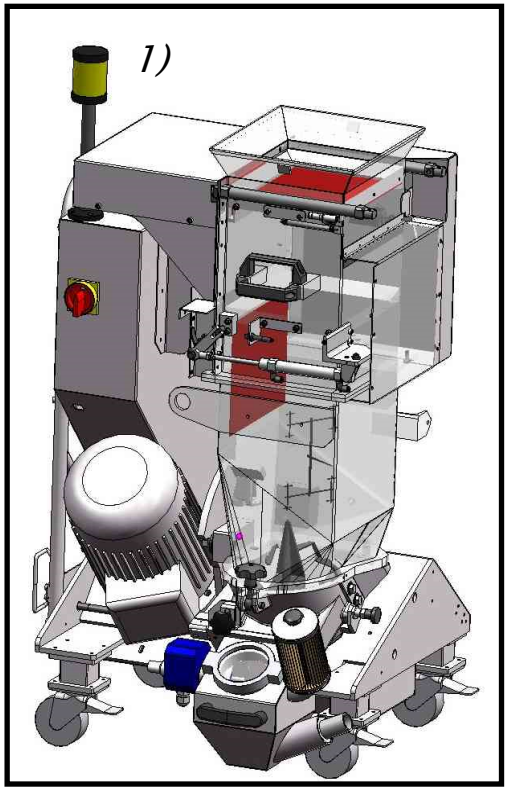


- The opening time of the upper slide can be freely adjusted
- At the end of the set opening time, the slide closed
- and reached its basic position

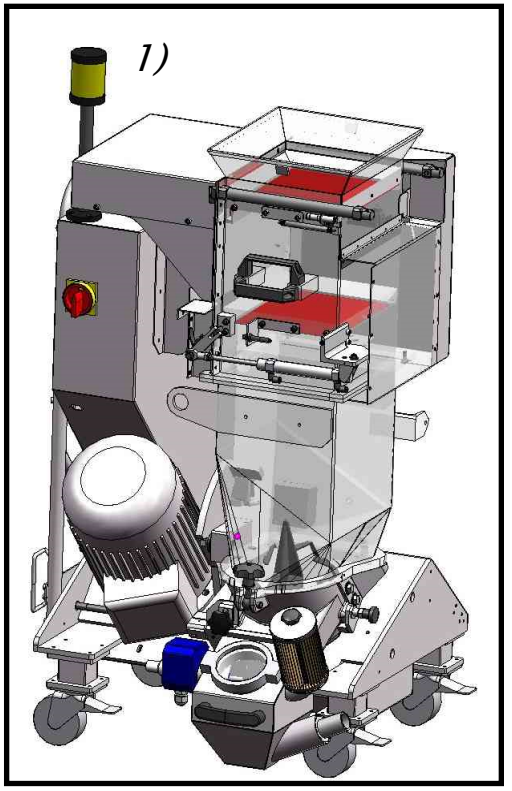


1) Optional: Warning flashing lamp

Workflow description/functionality

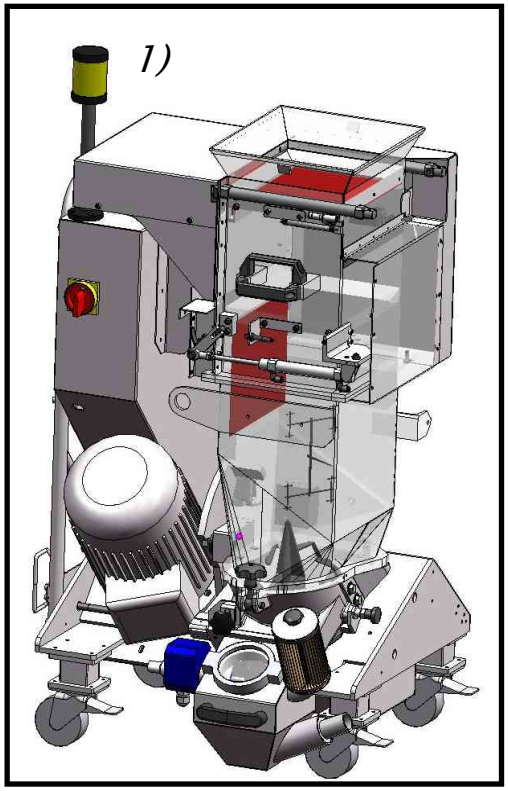


- Time-delayed the lower door pivots completely of
- At the end of the set opening time, the flap closed
- and reached its basic position again

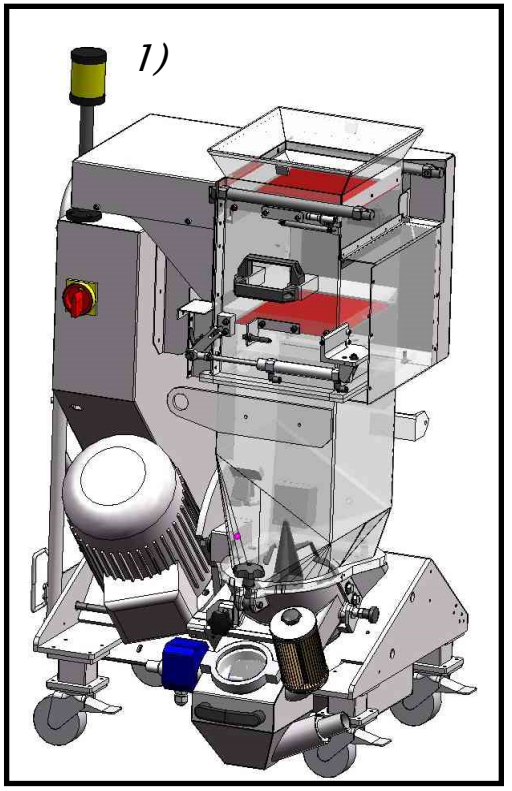


1) Optional: Warning flashing lamp

Workflow description/functionality



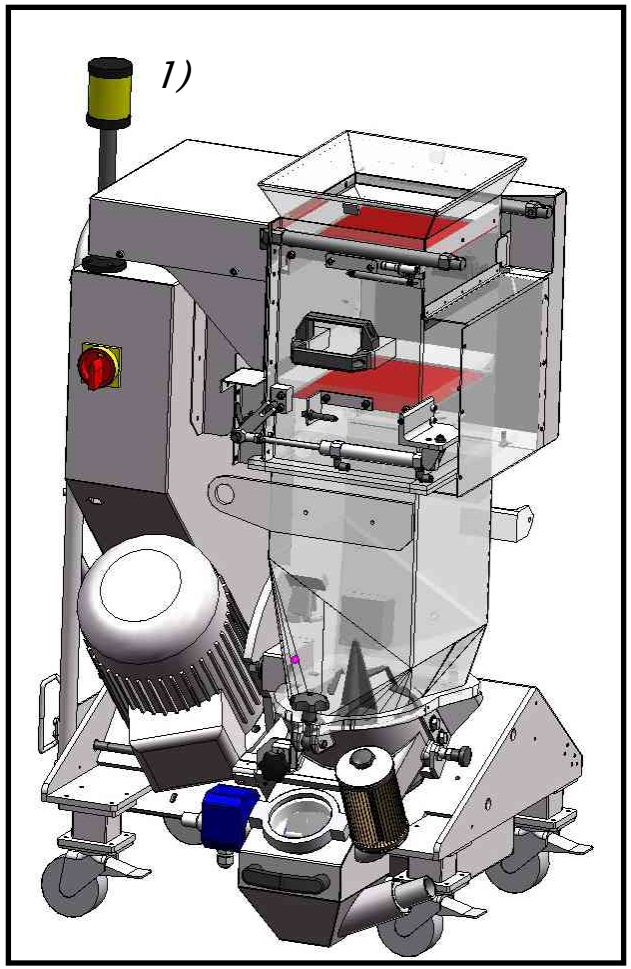
- If the flap can not close because of a jammed sprue, the flap opens again and try again to close. After 3x unsuccessful attempt at closing, the grinder goes into failure



1) Optional: Warning flashing lamp

Benefit of the sluice hopper

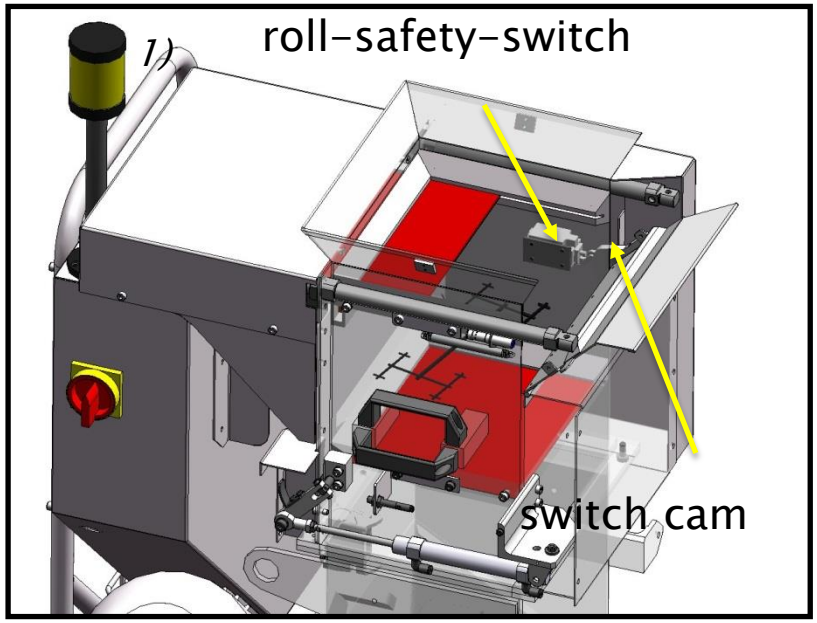
- No throwing out of the hopper by regrind or pre-crushed because a sluice plate is always closed
- No damming of sprues in the hopper by renunciation of flyback curtains and hopper deflections
- Reduction of the noise level, because the hopper is closed by at least one sluice plate
- Possibility of material cooling on top of the upper slide

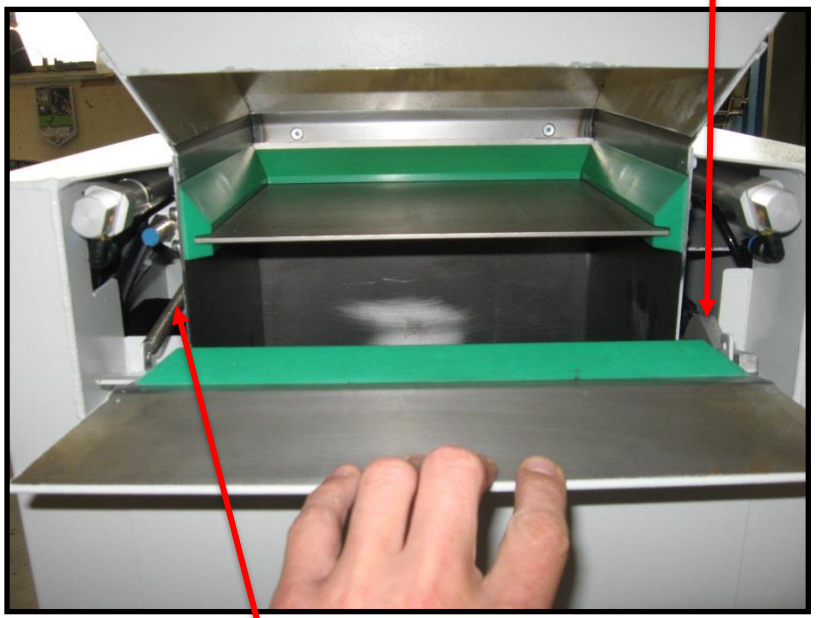


1) Optional: Warning flashing lamp

Clamp and contact safety at the upper slide

- If the flap is opened further, then activates a switch cam a roll-safety-switch. Emergency stop is activated





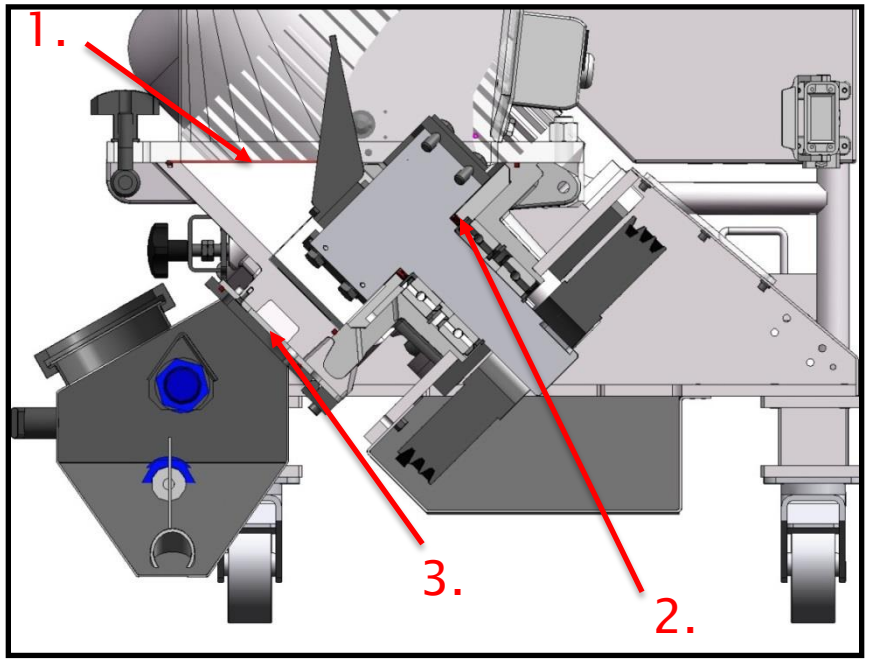
1) Optional: Warning flashing lamp

Dustproof version

1. **Cutting chamber**
   embedded O-ring seal in the contact surfaces

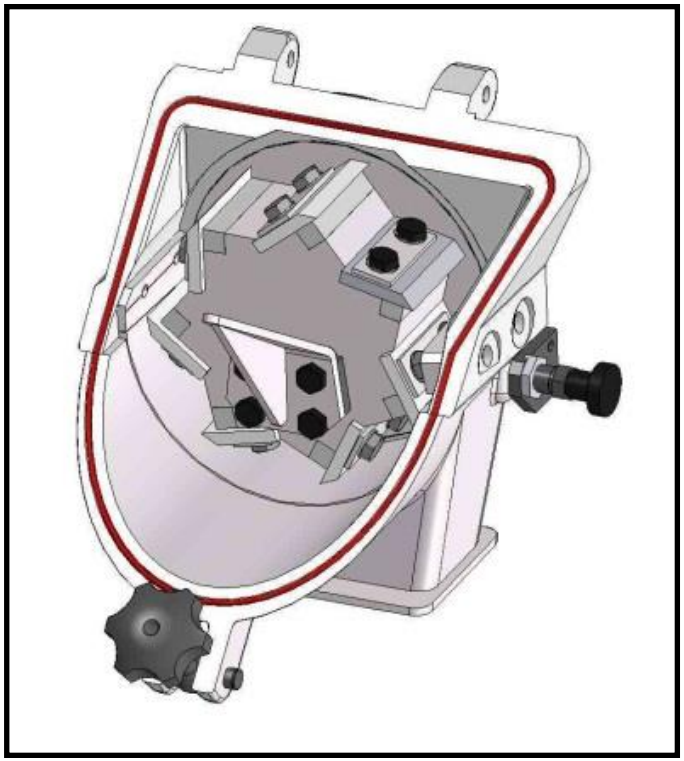
2. **Rotor shaft**
   additional shaft seal between the rotor shaft and steel disc

3. **Suction box und suction nozzle**
   embedded O-ring seals in the contact surfaces and two O-rings at the circumference of the suction nozzle

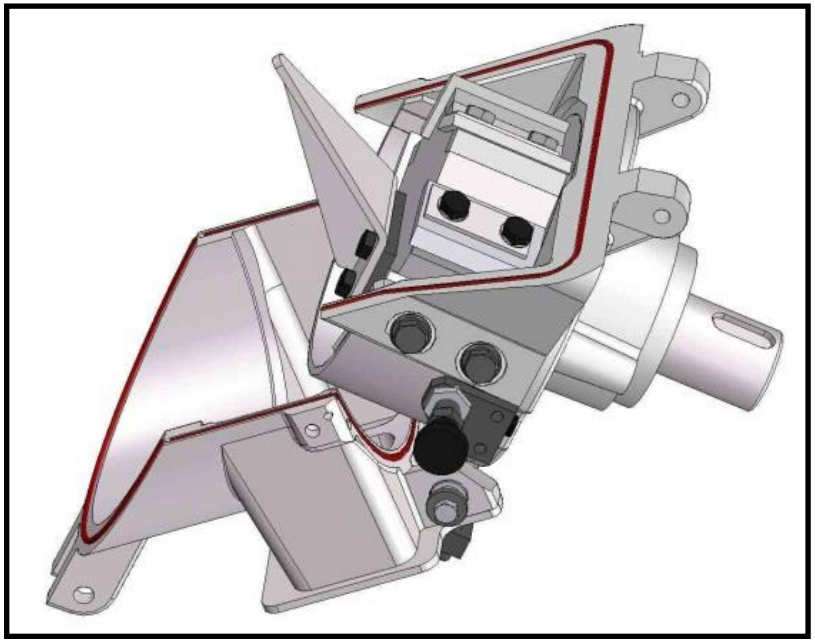


Dustproof version

1. Cutting chamber (closed)

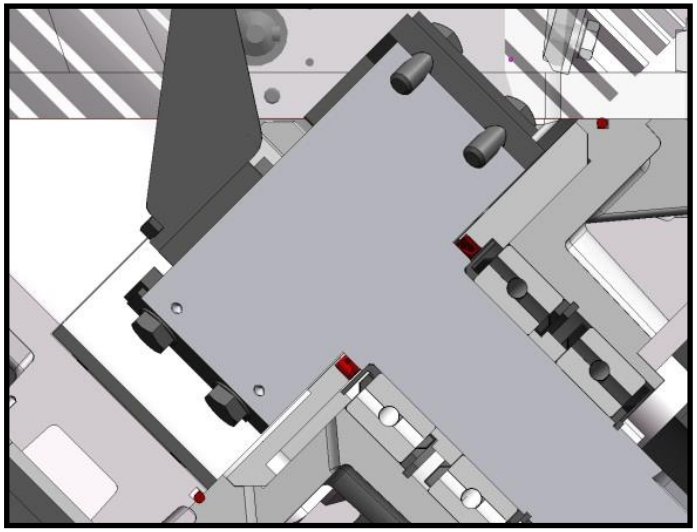


1. Cutting chamber (opened)

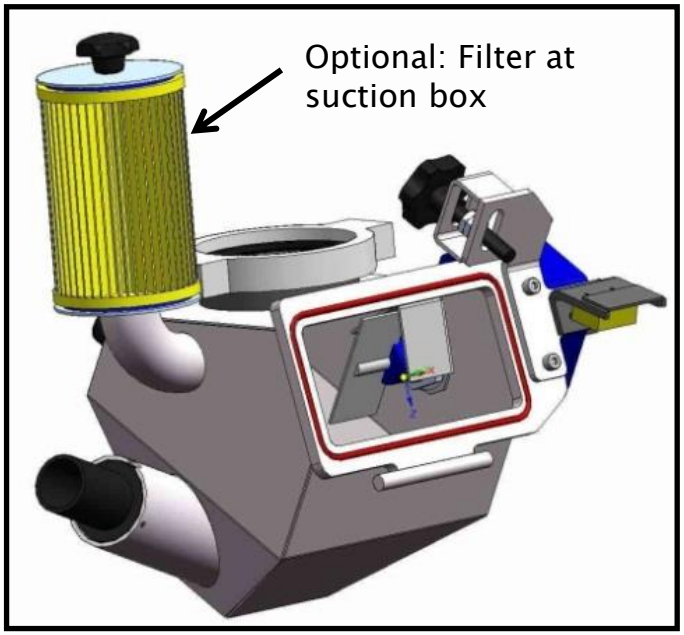


Dustproof version

2. Rotor shaft



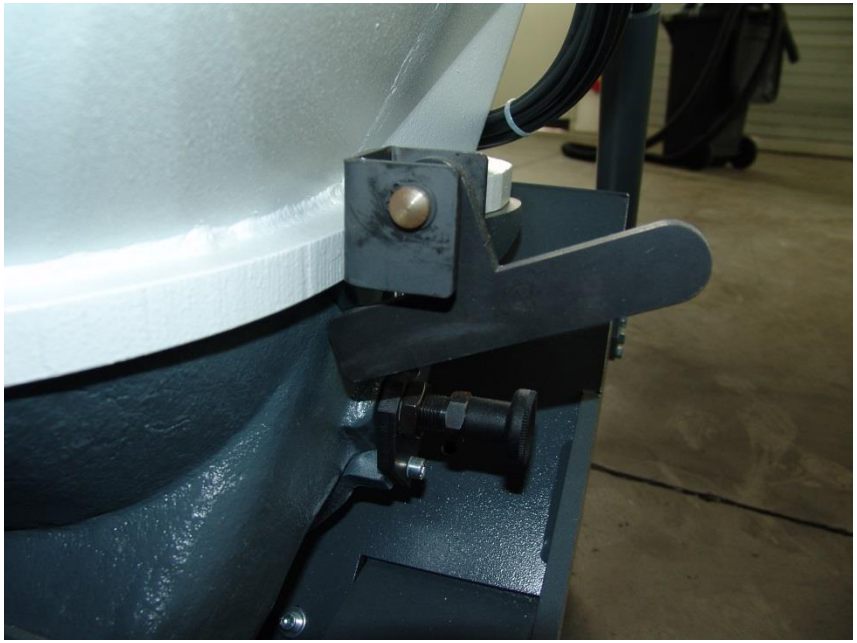
3. Suction box

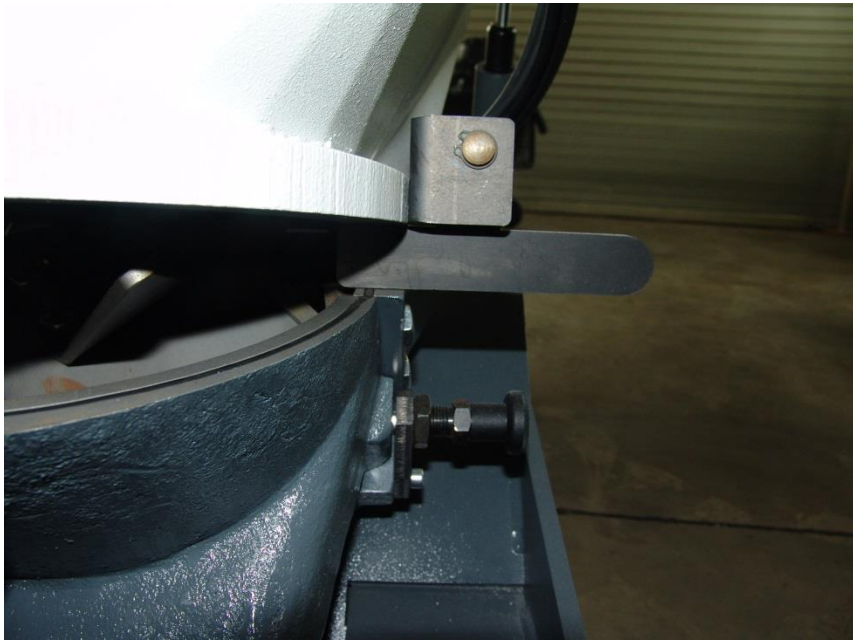


Accident safeguard and gas spring support

Accident safeguard

Avoid pinching fingers or hand between cutting chamber and hopper

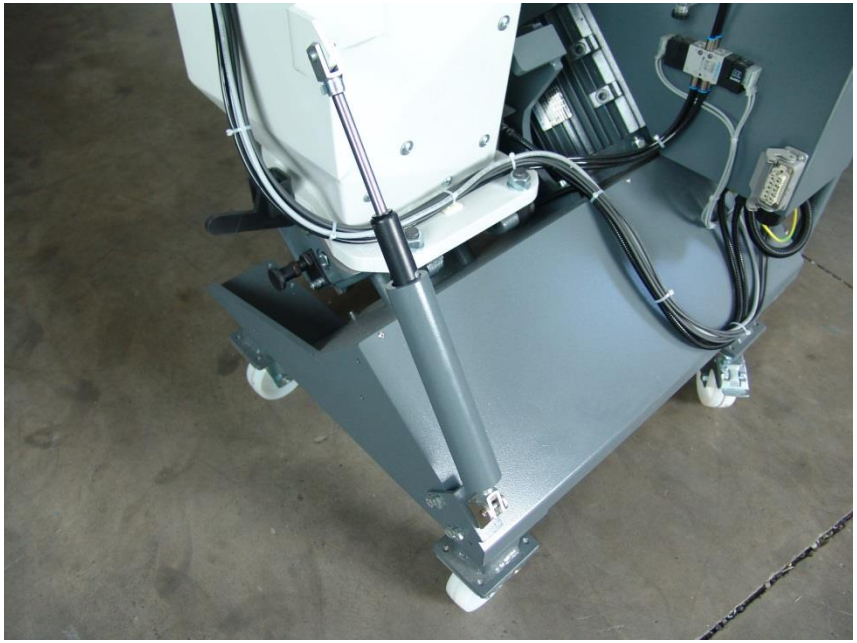


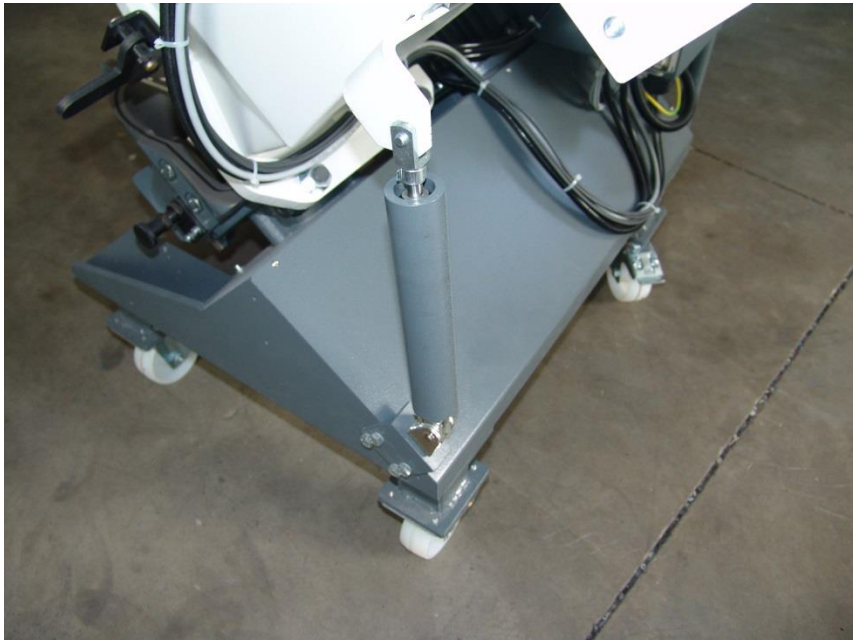


Accident safeguard and gas spring support

Gas spring

Support opening and closing of the hopper





Many thanks
for your attention

Getecha GmbH