

CT2 Manual EN





ATTENTION!

Read the manual

Before initial operation, it is essential to read the instructions in this manual to prevent damage to the device and personal injury!

Introduction

Thank you for choosing a CERPUR CT2 grain cleaner.

Please read this manual carefully before use.

Scope of delivery

- CERPUR CT2 grain cleaner with pre-installed sieve drum
- Feed hopper
- Manual

Intended use

The CERPUR CT2 is designed for cleaning grain and similar crops. It separates round and broken grains, as well as foreign matter, from long grains. The system reliably sorts out all grains whose length differs from that of the main crop.

Important installation instructions:

- Infeed: Rectangular feed hopper (34 × 24 cm).
- Outlets: 2 x flanged connection DN 100.
- Mounting: Only on a level, load-bearing floor using the designated mounting points.
- Environment: The installation site must be dry and roofed.
- Integration: The CERPUR CT2 can also be used as a system component. The customer is responsible for proper safeguarding within the overall system.

Unauthorized modifications, additions, or conversions to the machine are prohibited without the written consent of the manufacturer. Unauthorized modifications will void the CE declaration of conformity and any warranty claims.

Any other use is considered improper. The manufacturer is not liable for any resulting damage; the user alone bears the risk.

Safety instructions



Ensure that every person who operates, maintains, or installs the CT2 has read and understood this manual.



Wearing safety shoes, protective gloves, dust masks, and safety goggles is mandatory during installation and adjustment work.



Dust exposure: Dust may be generated during the operation of the CERPUR CT2. Wear a dust mask and safety goggles during operation. Ensure adequate extraction or ventilation.



Noise exposure: Wearing hearing protection is recommended for extended periods in the work area during operation.



Do not place objects on the machine. Placed objects can fall off due to vibrations, block mechanisms, or damage the machine.



Climbing onto the system or using it as a climbing aid is strictly prohibited.



WARNING: Crush hazard! Never reach into the running machine.



WARNING: Rotating parts! Never touch or reach into rotating components (e.g., sieve drum, auger). Risk of entanglement and injury. Do not wear loose clothing or wear your hair untied.



All work (adjustment, cleaning, maintenance) must only be carried out when the machine is at a complete standstill and the power plug is disconnected. Secure against restarting.



Electrical connection and commissioning may only be performed by a qualified electrician.



DANGER: Fire and explosion hazard! Operating the CERPUR CT2 in potentially explosive environments is strictly prohibited. Avoid dust accumulation. Combustible dusts can ignite and cause severe explosions.

Technical data

Functional data

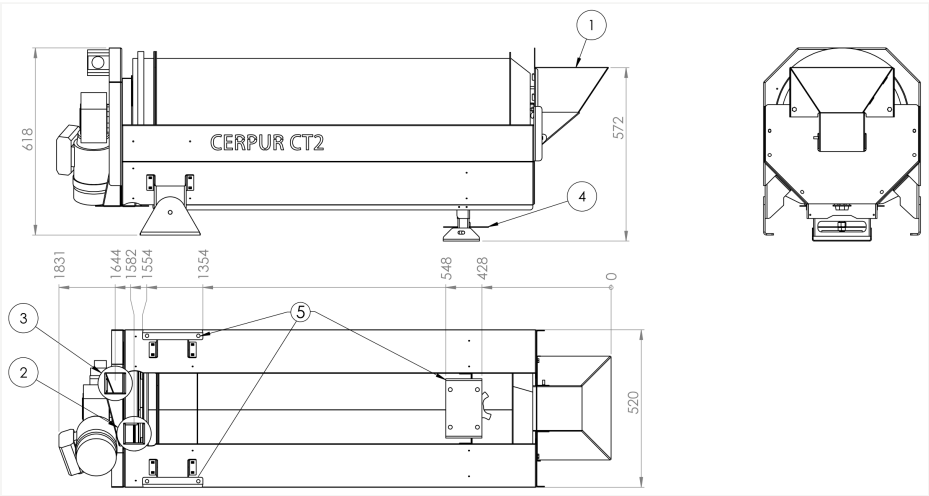
Capacity	up to 500 kg/h, depending on the crop
Throughput speed	adjustable via sieve drum inclination
Operating temperature	-10 to +40 °C
Feed hopper	34 × 24 cm
Drum speed	26.6 rpm
Indent cylinder	support roller mounted, with internal auger and drive shaft
Gearbox type	Right-angle gearbox (50:1)
Outlets	2x DN 100 with flanged edge

Electrical data

Main switch	On/off switch with integrated emergency stop function
Connection	230V / 0.37 kW

Physical data

Dimensions	178 × 52 × 70 cm
Weight	140 kg
Material	Galvanized steel
Required minimum clearance to surroundings	On both long sides: 100 mm; Front: 400 mm; Rear: 1500 mm; Top: 100 mm



1: Feed hopper; 2: Long outlet; 3: Round outlet;
4: Inclination control; 5: Mounting points

Installation

- Select a location that offers sufficient space for the CT2. Observe the minimum clearances (Long side: 10 cm, Front: 40 cm, Rear: 15 cm, Top: 10 cm) and ensure enough space for your attachments.
- Securely bolt the CT2 to the floor using the designated holes in the feet.

Feed hopper

- Place the infeed plate onto the CT2 and screw it tight at the 2 locations.
- Assemble the hopper plate with the rear panel, then place them onto the CT2 and infeed plate and screw them together at the 2 locations.



Operation and settings

Setting the grain inflow

To adjust the flow rate, loosen the star knob and move the feed slide. Select a slide opening and retighten the star knob.



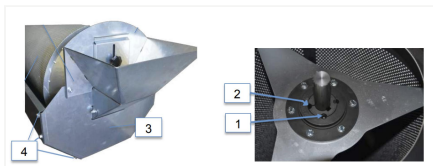
Setting the indent cylinder inclination

The inclination of the indent cylinder can be adjusted with the handwheel to adapt the throughput speed. A shallower inclination angle improves the cleaning result but reduces the hourly output.



Replacing the indent cylinder

- Secure the installed drum against dropping by placing supports underneath.
- Remove the six mounting screws on the frame (4) and carefully pull off the bearing plate (3).
- Measure or mark the exact position of the taper lock bush to ensure correct alignment during reassembly.
- Completely remove the two set screws (1) of the taper lock bush.
- Screw one of the set screws into the extraction hole (2), which is offset by 90°, to loosen the clamping bush, and remove it.
- Slide the mounting tube onto the shaft and lift slightly. Pull out the indent cylinder, ensuring that the shaft remains in position and does not drop.



Setting the selection hopper

The position of the selection hopper affects the sorting process and must be chosen to provide the optimal angle of incidence. Loosen the star knob and move the hopper. Monitor the process through the sight glass to find the optimal angle of incidence. Once the ideal position is reached, retighten the star knob.



Turning on the machine

- Switch on the system using the main switch.
- Once running, the feed can be started.
- Regulate the feed rate so that the bottom of the sieve drum is consistently covered with approximately 2 cm of material to be cleaned.

Turning off the machine

- Stop the feed.
- Wait until the machine is completely empty.
- Switch off the system using the main switch.

Manually reversing the drum

If the drum becomes blocked by foreign objects or overload, proceed as follows:

- Immediately switch off the device at the main switch and disconnect the power plug.
- Remove the protective cover of the fan impeller on the electric motor.
- Carefully turn the fan impeller back by hand against the normal direction of rotation to clear the blockage.
- Remove the cause of the blockage.
- Properly reinstall the fan cover before putting the machine back into operation.

Maintenance and cleaning

Clean the device after every use. When using compressed air, wear a dust mask, safety goggles, and hearing protection.

Check the gearbox for leaks and the motor for contamination every 10 operating hours.

Disposal



This device must not be disposed of in household waste. At the end of its service life, please take the device to the available state or municipal return and collection facilities for waste electrical equipment.

The disposal of this device is subject to the European WEEE Directive (2012/19/EU) in its currently valid version as well as the corresponding national laws.



EG-Konformitätserklärung

Für das folgende bezeichnete Erzeugnis

CERPUR Trieur T2 für die Getreidereinigung

Konformitätserklärung im Sinne der EG-Richtlinie Maschinen 2006/42/EG, Anhang II A wird hiermit bestätigt, dass es den wesentlichen Schutzanforderungen entspricht, die in der Richtlinie des Rates zur Angleichung der Rechtsvorschriften der Mitgliedstaaten über die Maschinenrichtlinie (2006/42/EG) Niederspannungsrichtlinie (2006/95/EG) EMV-Richtlinie(2004/108/EG) festgelegt sind.

Für die Beurteilung und Auslegung des Erzeugnisses wurden folgende harmonisierte Normen herangezogen:

EN ISO 12100:2010-11
EN 60204-1/A1 (2009 02)

Diese Erklärung wird verantwortlich für den Hersteller

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Mogersdorf

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rechtsgültige Unterschrift

Imprint

All information, specifications, and illustrations are up to date as of 2026, subject to technical modifications or design changes.

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