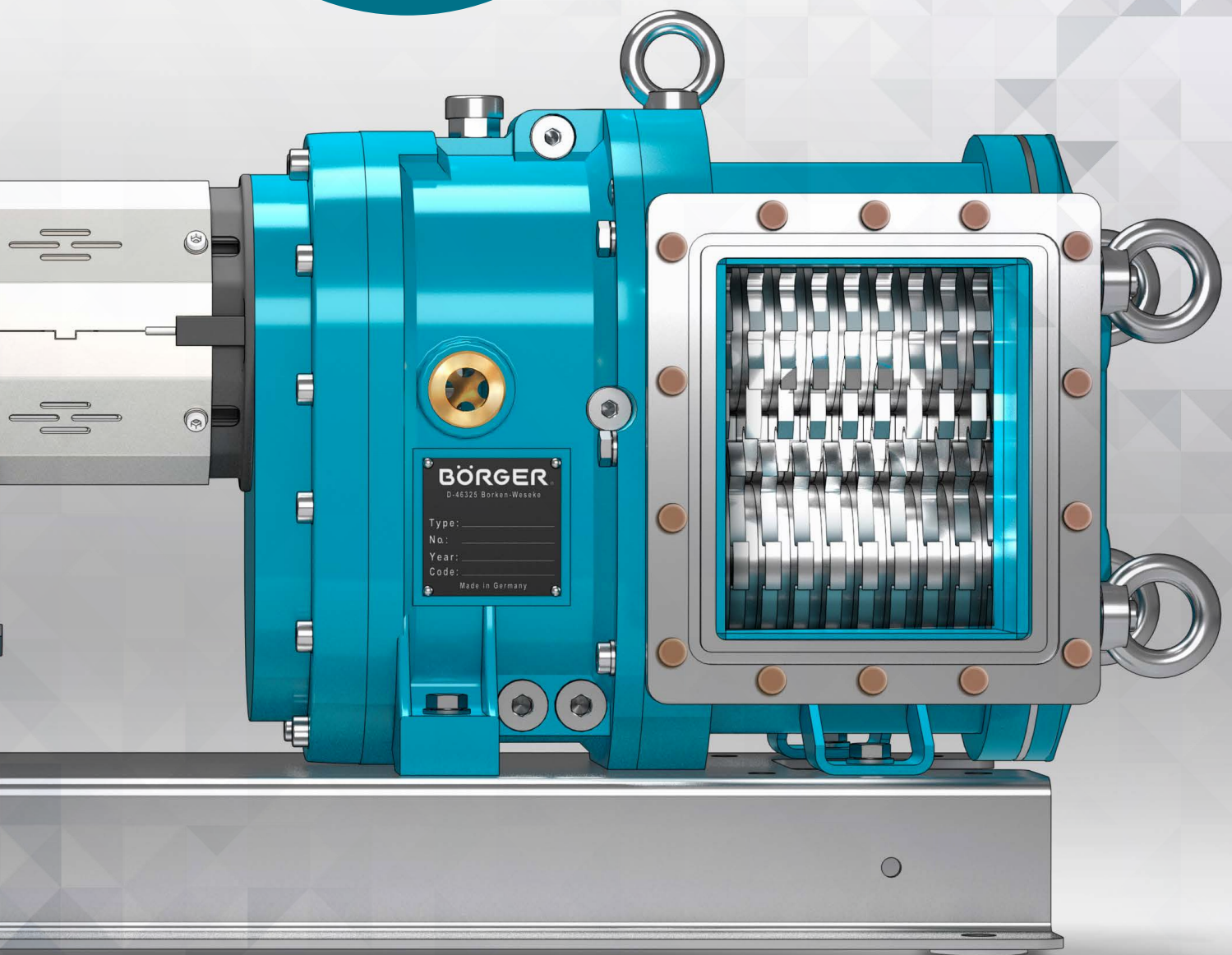
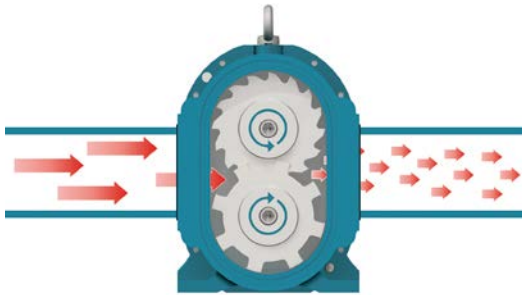


MULTICRUSHER



# EFFECTIVE PUMP AND SYSTEM PROTECTION THE MULTICRUSHER



*Time and again, impurities block pumps or even entire systems. As a result, time-consuming and cost-intensive maintenance work is required. The Multicrusher macerates impurities efficiently and reliably. For demanding macerating tasks, the Multicrusher is equipped with large inlet and outlet openings, so that even coarse solids can be macerated effectively and in an energy-efficient way.*

## CONSTRUCTION AND FUNCTION

### 1 The quick-release cover

Access to all wetted parts through the quick-release cover – maintenance without removal of pipe or drive systems (MIP®).

### 2 The blades

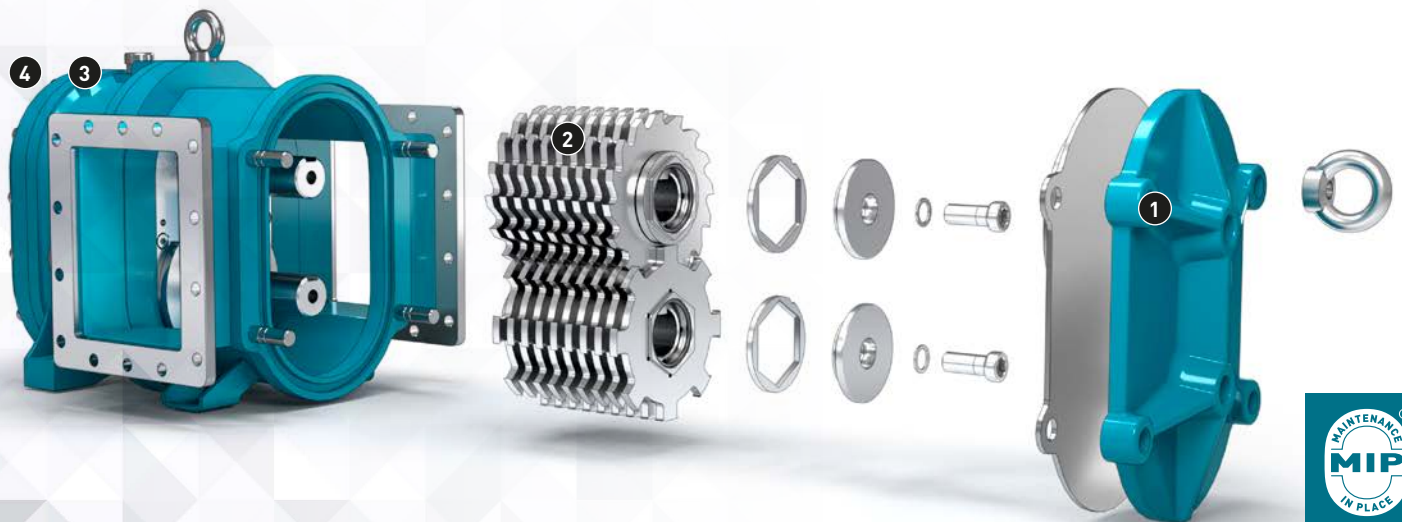
You can determine the maceration degree by the choice of blade configuration, the teeth profiles, the blade widths, the blade arrangement and the speed of the Multicrusher. In case of wear, the blades can be individually replaced.

### 3 The intermediate chamber

The large-volume quench chamber is filled with oil which cools and lubricates the seals. The intermediate chamber protects the gear unit from pumped medium leaking in if the seal is defective. The oil-filled intermediate chamber ensures the highest degree of operational safety.

### 4 The carrier gear and gear reducer

The different circumferential speeds of the carrier shafts and the sharp blades create an excellent cutting result.





## MULTICRUSHER AT A GLANCE

- + Designed for demanding macerating tasks
- + Powerful macerating force with smallest footprint
- + Can be retrofitted in all systems, easy installation
- + Effective pump and system protection
- + Low life-cycle costs
- + Sustainable maceration thanks to high energy efficiency

## THE CONTROL TECHNOLOGY

Upon request, we also deliver the suitable control technology for the Multicrusher. The control unit is manufactured and programmed in our company, enabling us to realize your wishes and requirements one hundred percent.

- Highest degree of operational safety due to reversing control
- Easily adjustable reversing parameters
- External control by operator possible via smartphone, WLAN, DSL (remote support by Börger is also possible)
- Integration via bus system (Profinet, Profi- or Modbus, etc.)
- Further functions tailored to the customer and project are possible

## SAVING ENERGY THANKS TO LARGE INLET AND OUTLET OPENINGS

Due to large inlet and outlet openings, the Multicrusher processes even coarse solids without any problems.

In the liquid flow, the solids are directed to the cutting surfaces of the blade blocks. The sharp blade edges capture the solids and break them down into tiny particles with little energy input.

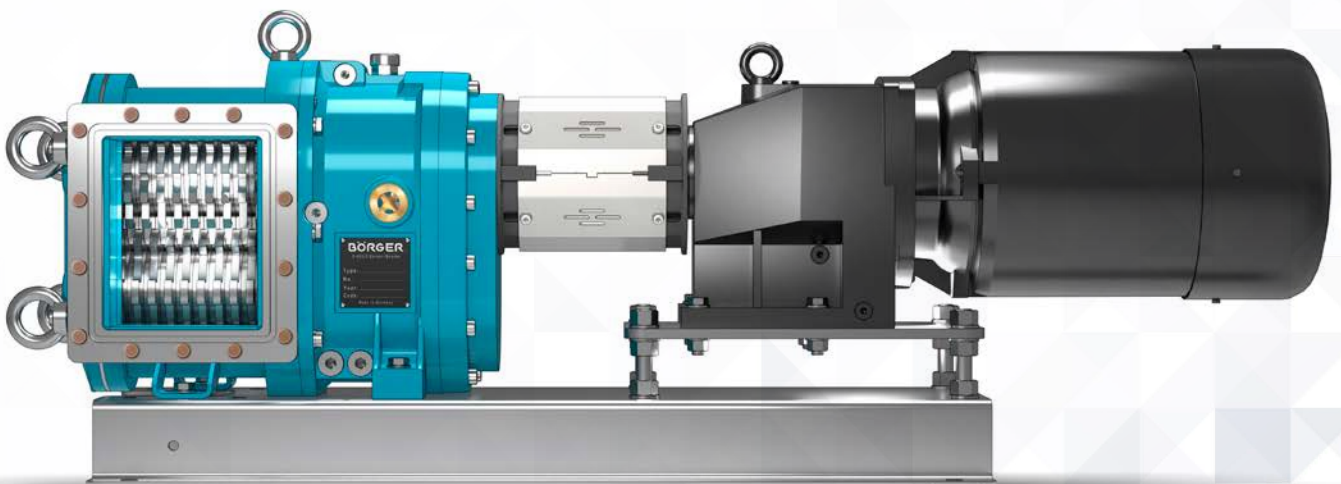
Even entanglements in digestion towers, wet wipes in domestic wastewater or textiles are sustainably shredded by the brute force of the Multicrusher – effective system protection.

Due to the large inlet and outlet openings, you can achieve the same throughput rates with a small Multicrusher size as previously with a large macerator – you save drive power and macerate solids sustainably and in an energy-efficient way.

## THE CUTTING BLADES

Various blade geometries are available for the Multicrusher so that it can be perfectly adjusted to the solids to be macerated

In case of wear, the cutting blades can be replaced individually – sustainably saving time and costs.







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