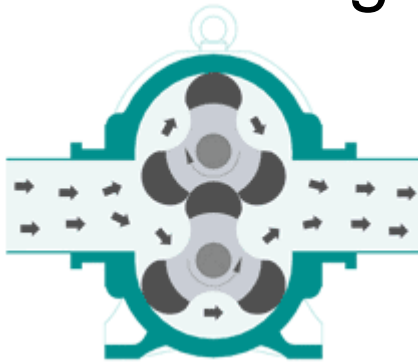




•Rotary Lobe Pumps, Single and Twin Shaft Grinders for:

- Fats
- Oil
- Grease
- Sludge / Biosolids

Börger Rotary Lobe Pump



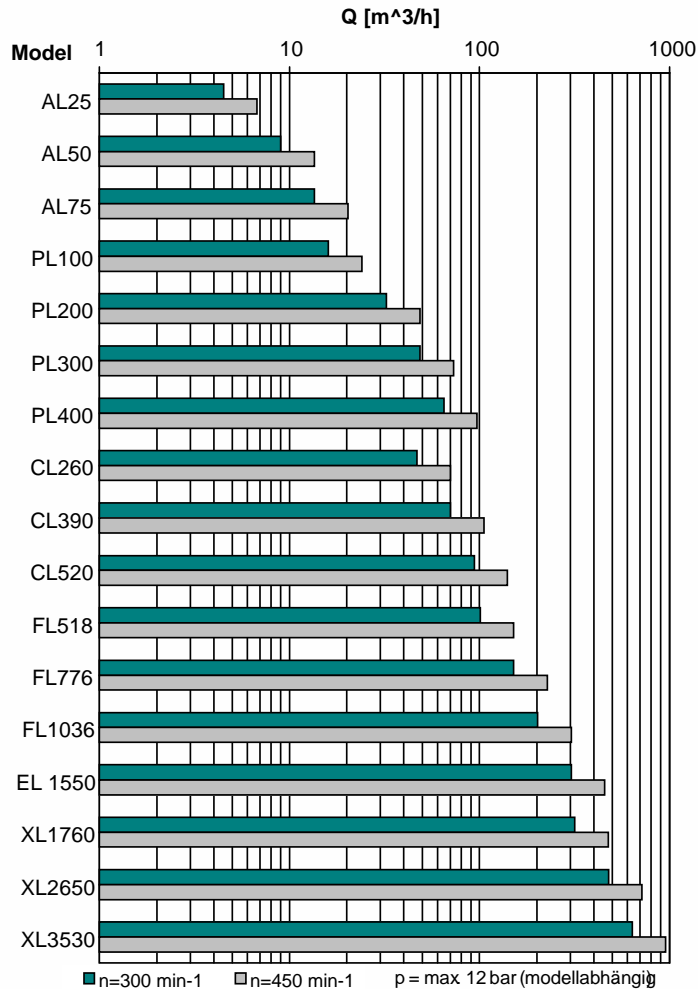
Clockwise Operation



Counter-Clockwise
Operation

- Self-priming
- Compact
- Gentle, pulsation-free conveying
- For viscous, solids-laden, abrasive, shear-sensitive products
- Reversible operation
- Dry run capable

Performance of Börger Rotary Lobe Pumps



AL - Series

- 2 - 75 GPM
- free solid entry 1 inch

PL - Series

- 30 - 300 GPM
- free solid entry 1.5 inches

CL - Series

- 125 - 500 GPM
- free solid entry 2 inches

FL - Series

- 300 - 900 GPM
- free solid entry 2.75 inches

EL - Series

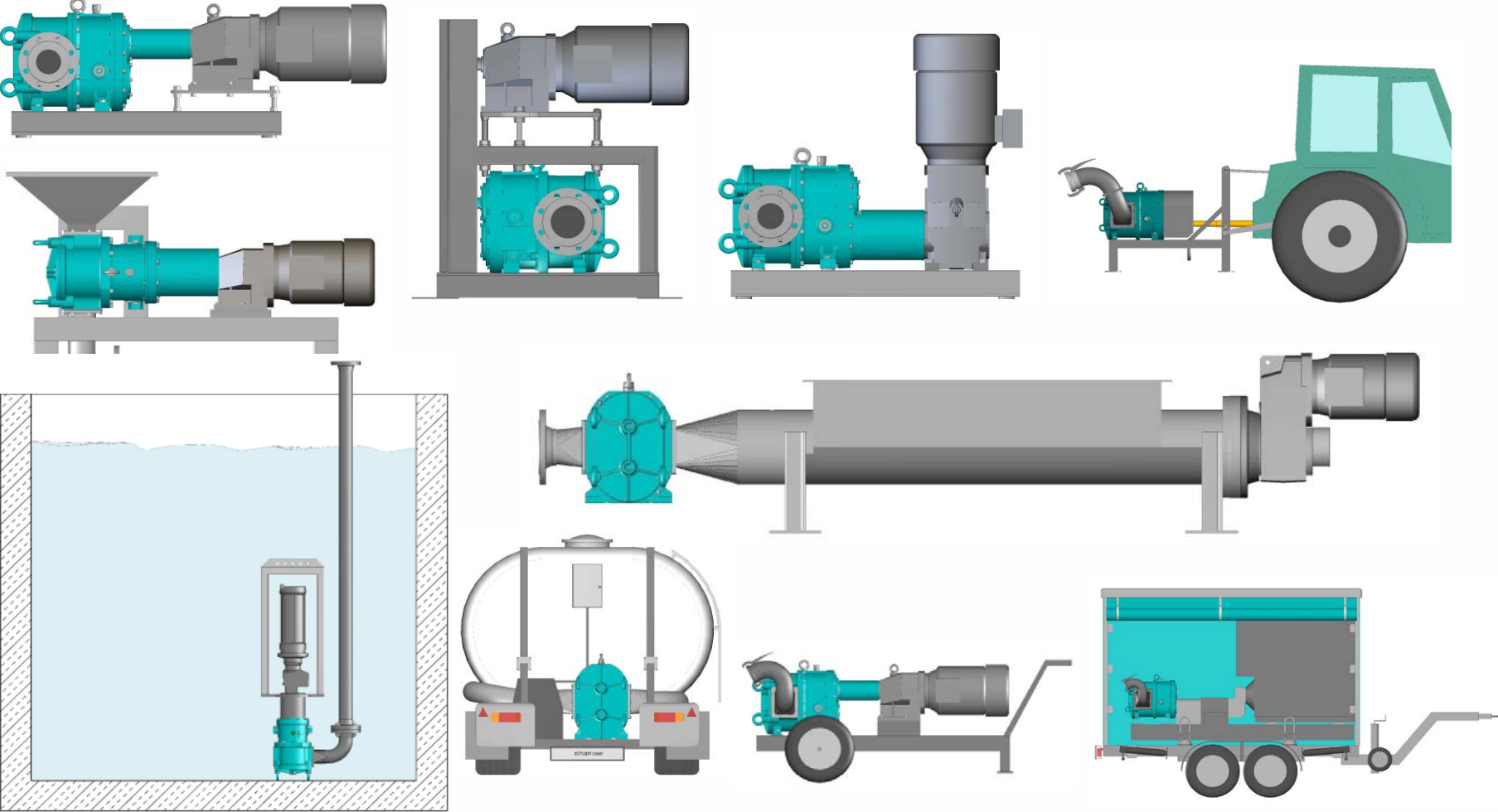
- 600 - 2000 GPM
- free solid entry 3.25 inches

XL - Series

- 1000 - 5000 GPM
- free solid entry 3.75 inches

Construction Methods

Extract from possible solutions



Other PD Pump Technology

Vane Pumps

Gear Pumps

Progressive Cavity Pumps

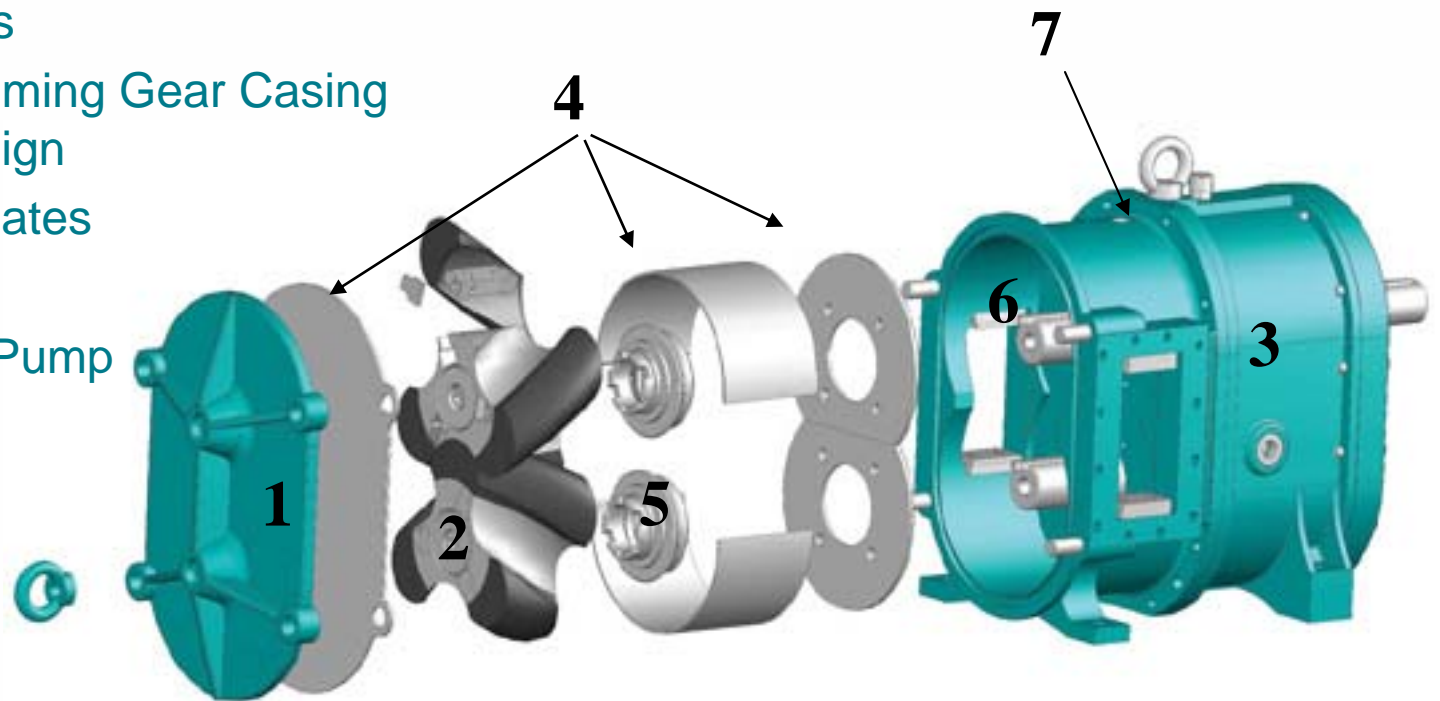
Piston Pumps

Diaphragm Pumps

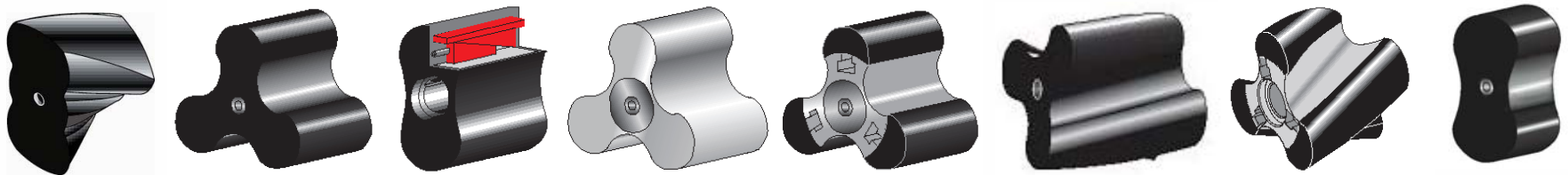
Peristaltic Pumps

Components of the Börger Rotary Lobe Pump

- 1. Quick Release Cover
- 2. Rotary Lobes
- 3. Pump and Timing Gear Casing in Block Design
- 4. Protection Plates
- 5. Shaft Seals
- 6. Non-wetted Pump Shafts
- 7. Intermediate Chamber



Rotary Lobes



Rotor types and materials for best possible compatibility with each individual product

- Quick replaceable rotor tips for heavy duty operation ↑Patent
- Re-adjustable rotors for use with abrasive products ↑Patent
- Entirely elastomer coated rotors with non-wetted core ↑Patent
- Elastomers from NBR, EPDM, CSM, HNBR or FPM/FKM
- Stainless steel, PTFE, PUR etc for your specific application

Additional elastomers, plastics or metals upon request

MIP = Maintenance In Place

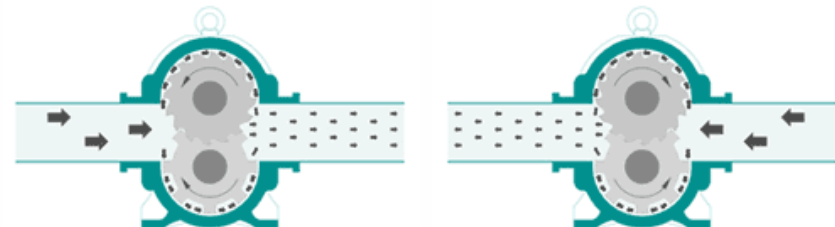


Macerating Technology



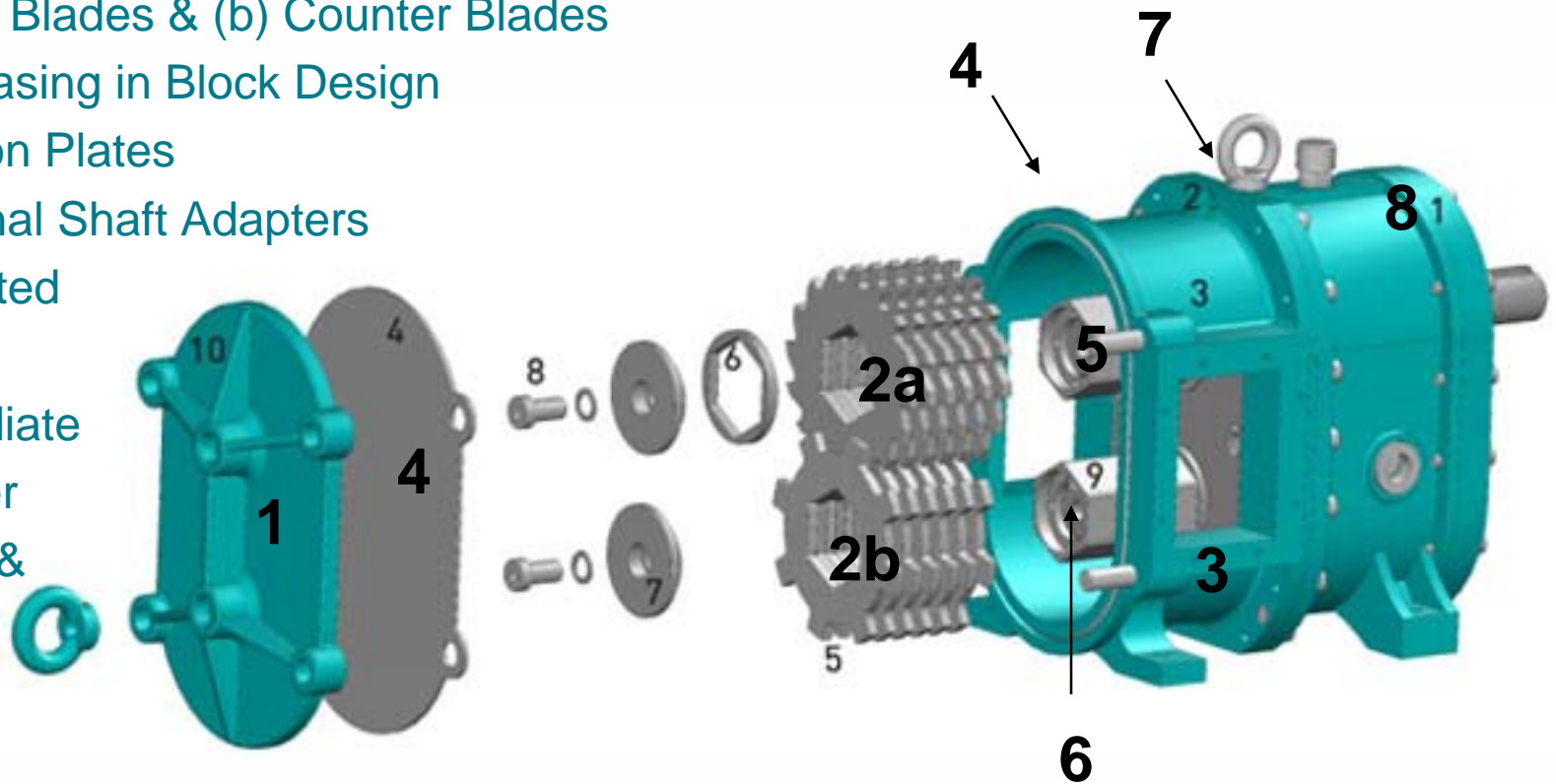
The Multicrusher

- Based on the principle of the Rotary Lobe Pump using the same basic elements
- As individual machine or in combination with a pump or an auger feed screw system



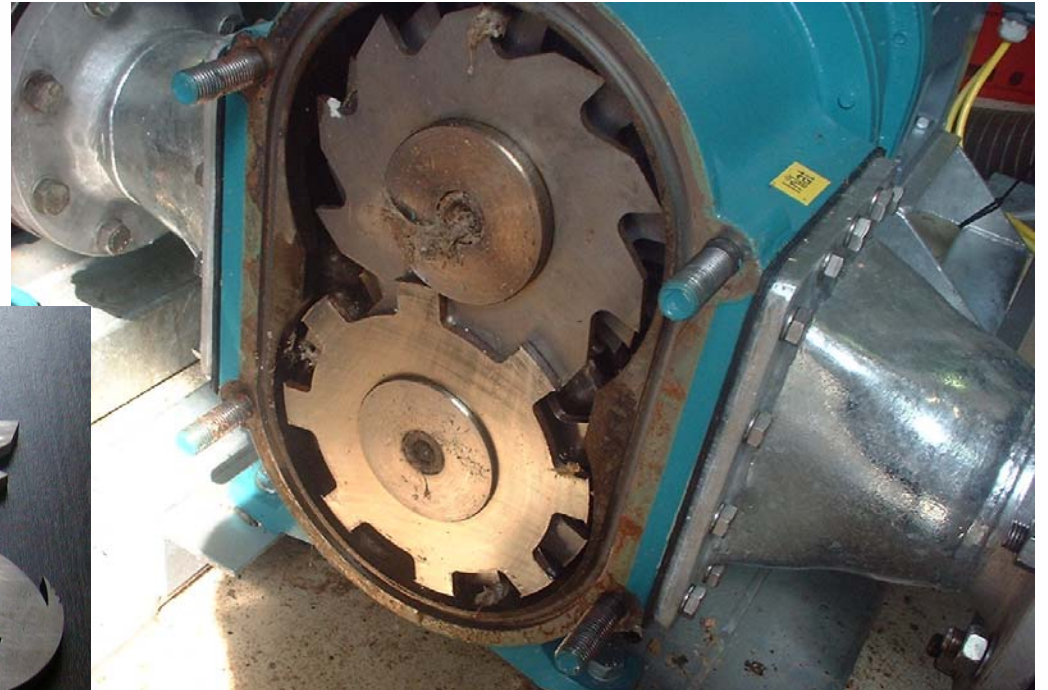
Components of the Börger MultiCrusher

- 1. Quick Release Cover
- 2. (a) Knife Blades & (b) Counter Blades
- 3. Pump Casing in Block Design
- 4. Protection Plates
- 5. Hexagonal Shaft Adapters
- 6. Non-wetted Shafts
- 7. Intermediate Chamber
- 8. Bearing & Timing Gear



Blade Configurations

Rotation speed and knife combinations (designs of teeth and widths of blades) determine the resulting solids sizes.



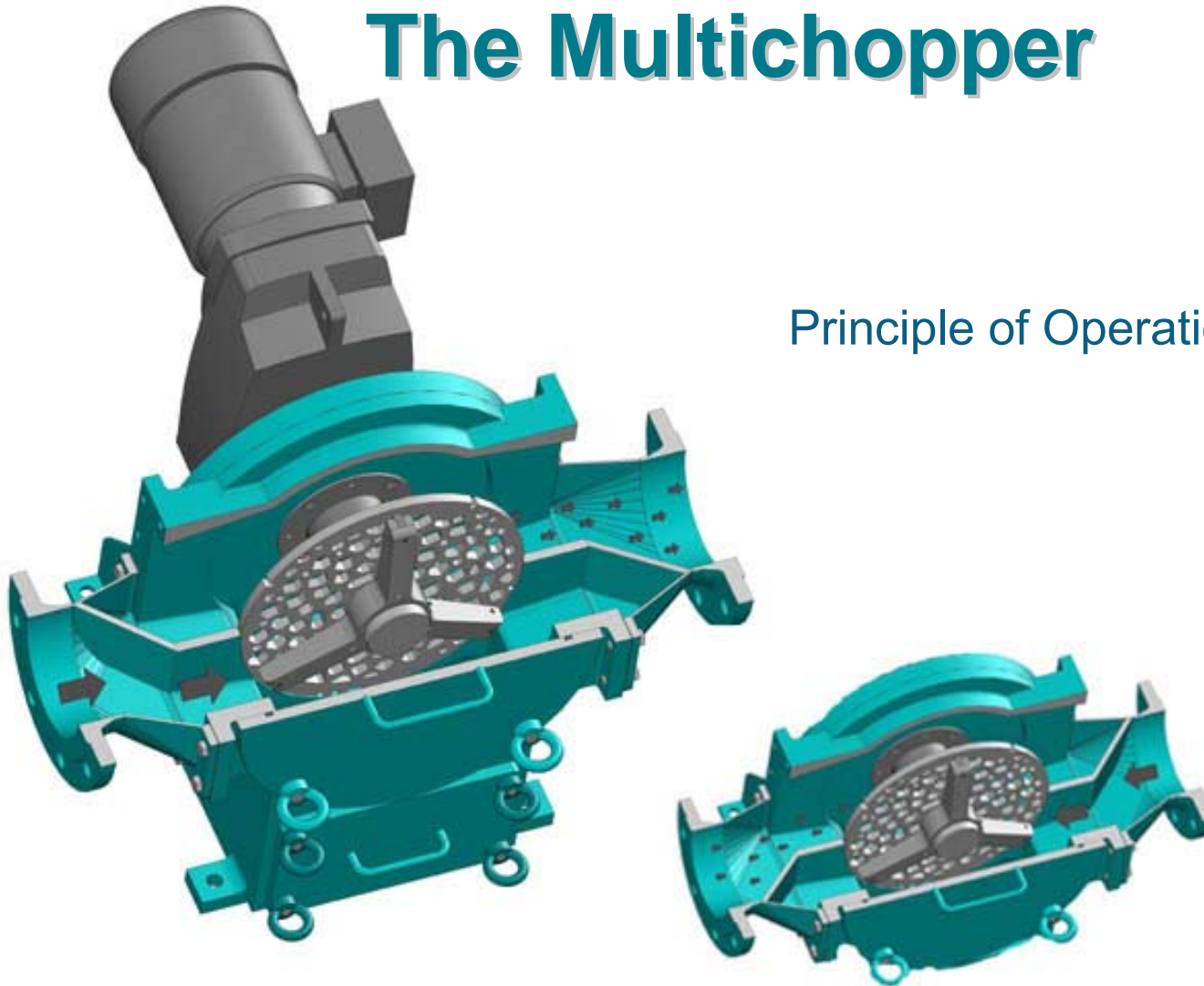
Macerating Technology **The Multichopper**



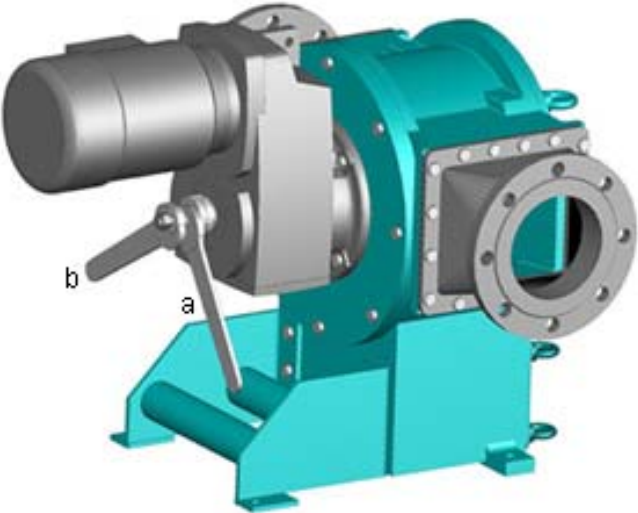
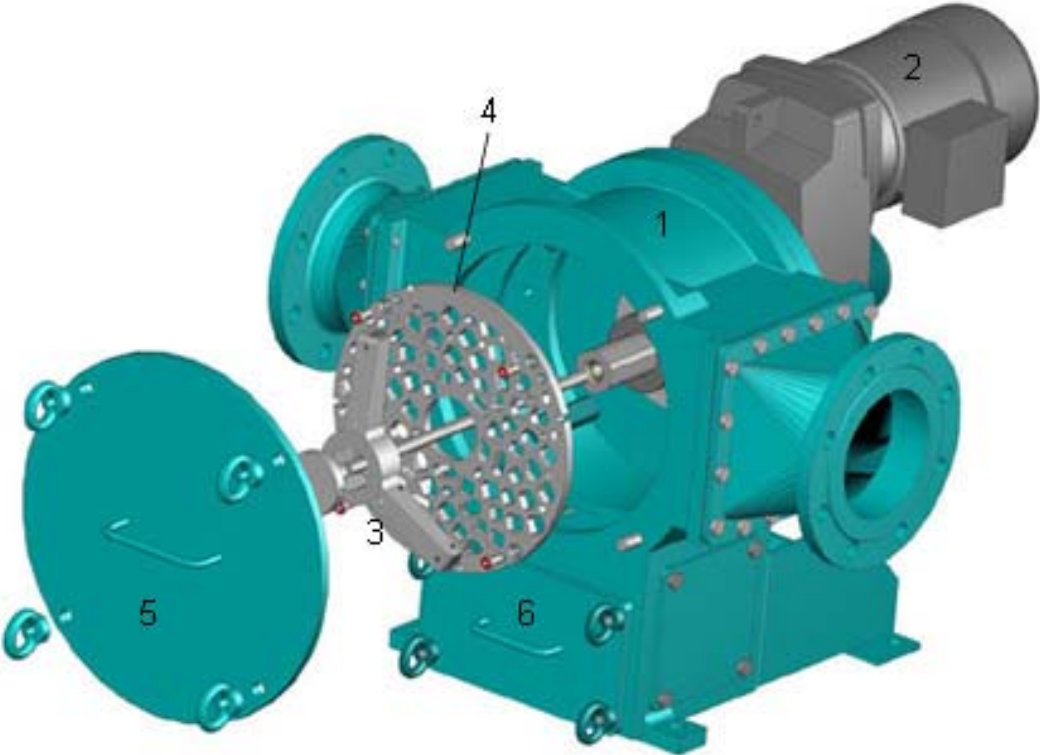
- Single Shaft Grinder
- Integrated Stone Trap
- Simple
- Inexpensive

The Multichopper

Principle of Operation



The Multichopper



Blade
Tensioning is
outside of
wetted area.

Component View - MIP

Truck Pumps



Truck Pumps



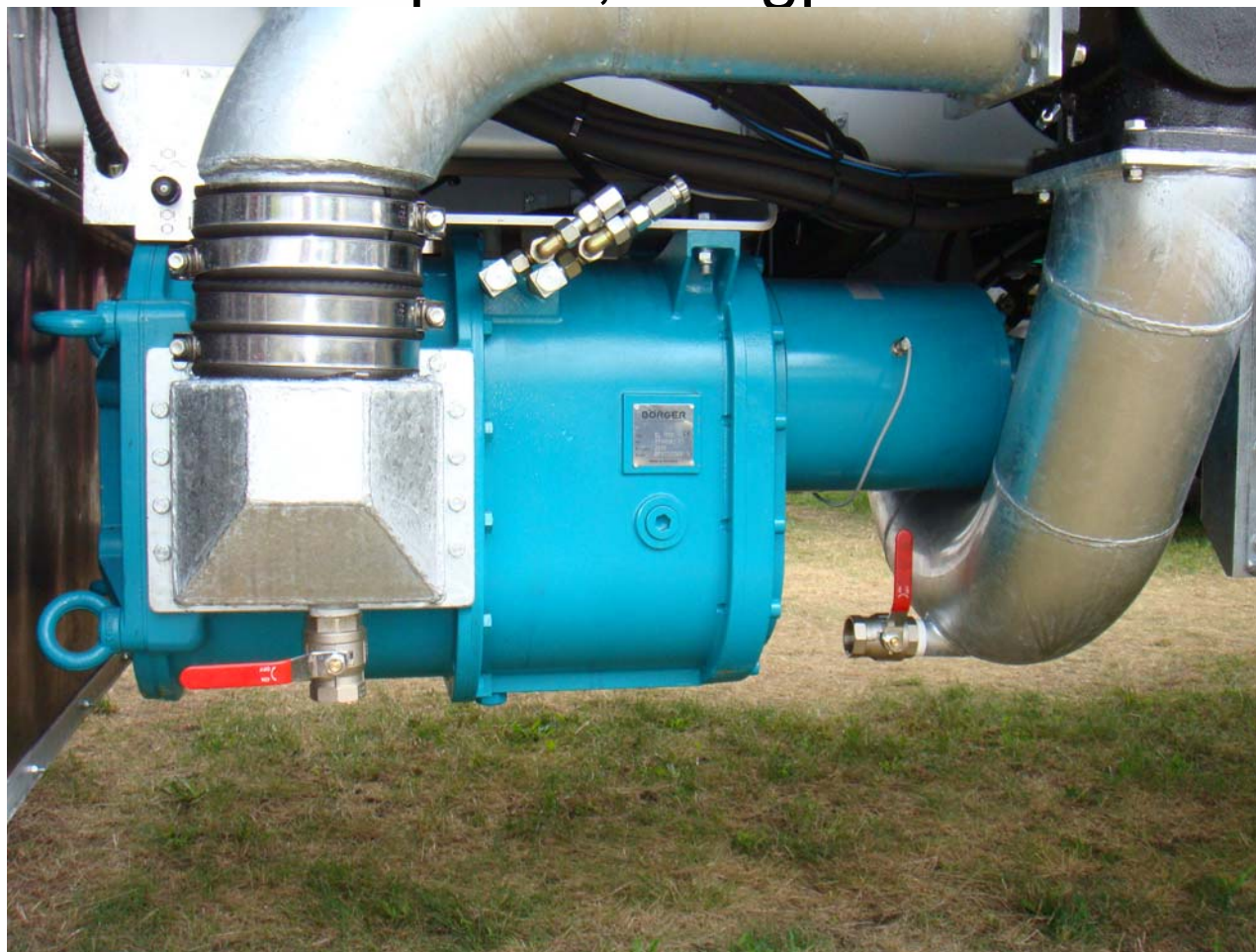
Truck Pumps



Truck Pumps



Truck Mounted Lobe Pump up to 2,500 gpm



Boerger Pumping Technology: 3 Point Hitch



Pump Model: FL 518
Fluid: Various Sludges
Note: PTO Drive

Boerger Pumping Technology: 3 Point Hitch



Pump Model: FL 776
Fluid: Various Fluids
Note: High Suction Lifts

