

BÖRGER®

The Multicrusher:
Macerating Technology
with MIP!



Worldwide unique Maintenance Friendliness: The Multicrusher from Boerger.

The Multicrusher is an effective, widely applicable macerating unit based on the proven design of the Boerger Rotary Lobe Pump: Shafts, bearings, shaft seals and casings are identical. Ensuring the same robust technology and especially our unique maintenance friendliness. Many parts of Boerger Rotary Lobe Pumps are therefore interchangeable with the Multicrusher.



The Multicrusher incorporates the same unique advantages of the Boerger MIP-Design as the Rotary Lobe Pumps: MIP (Maintenance In Place) allows the quick and convenient replacement of all fluid wetted parts without removal of pipes, drives or other components of the macerating unit by your own staff. The unrivalled maintenance friendliness guarantees low life cycle costs and minimized downtime!



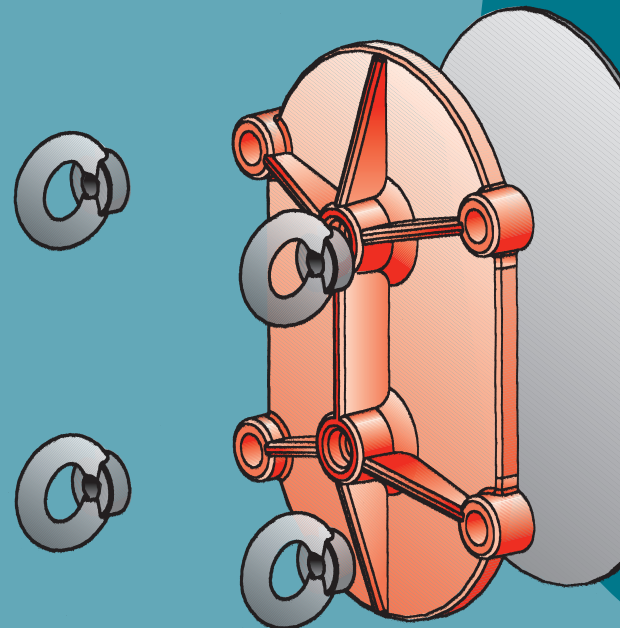
Twin Shaft Grinders with quick and direct access to all fluid wetted parts
(Quick Release Cover with eye nuts)

MIP allows quick and convenient access and replacement of all fluid wetted parts like casing protection plates, blades/cutters and mechanical seals – no removal of pipes, drives or other components of the macerating unit necessary.

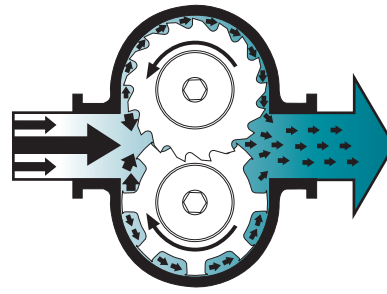
A wide variety of blade and cutter combinations ensure many achievable chopping sizes. Two central clamp bolts hold the rotating blades/cutters in place.

The separation of macerator and geared motor allows various drive arrangement possibilities: lower rotation speeds in wastewater or sewage applications, increased speeds with higher solids contents.

Peripheral accessories like a Twin Screw Auger with Pre-Macerating-Effect are also available from Boerger.



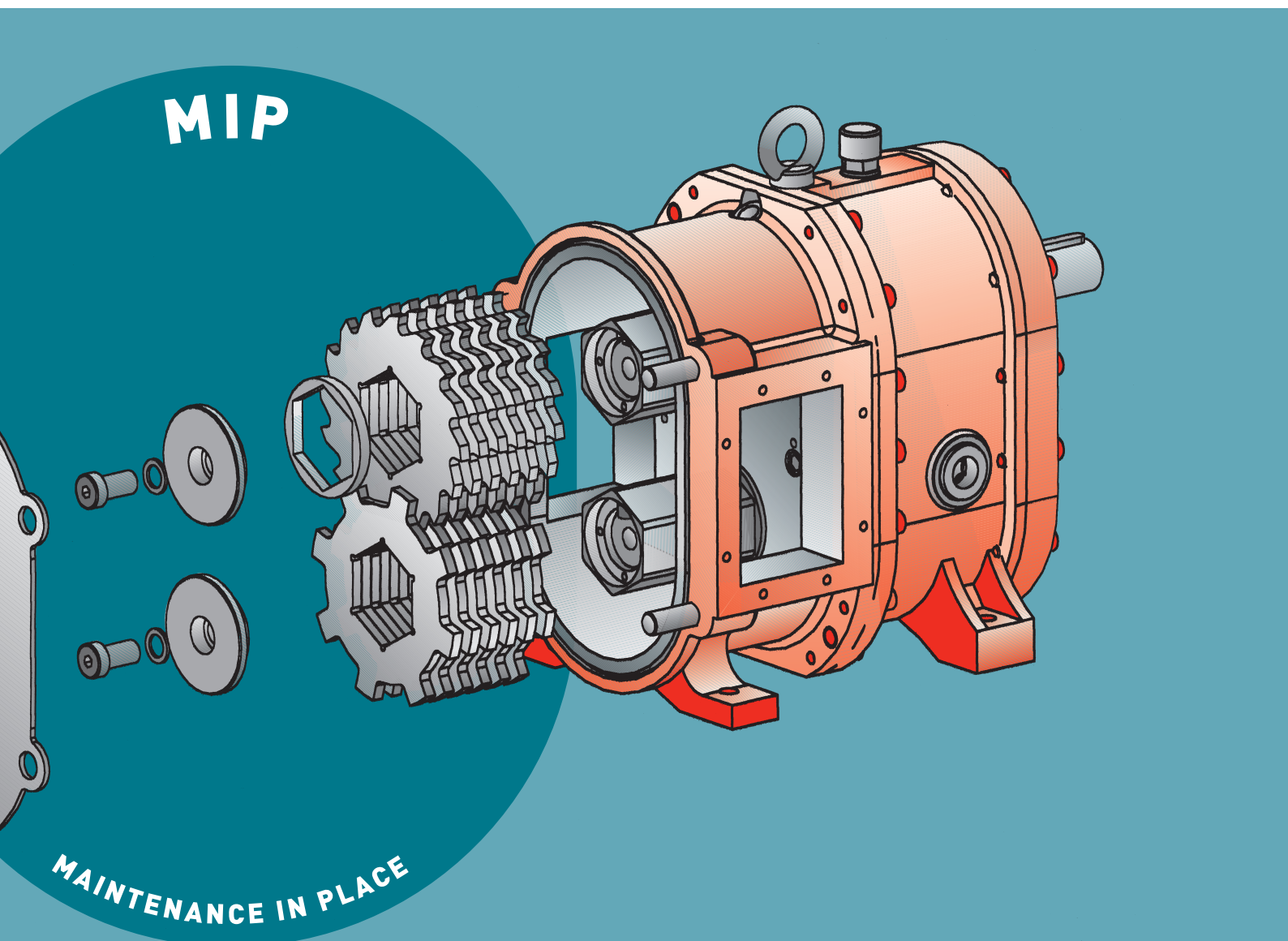
Boerger shows teeth to problem cases.



The optimized shaft distance and the blade/cutter set up performs a strong „Pull-In-Function“. The relative rotation speed of the two shafts ensures an optimized macerating effect and prevents stringy material from wrapping around the blades and cutters.

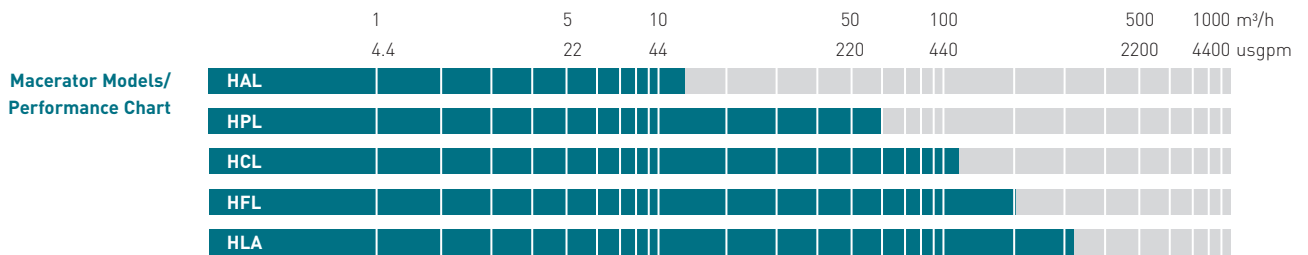
No matter if you integrate the Multicrusher in a pump operated system or you install it as an individual unit: The flexibility is superb! Because of the quick access to the rotating parts of the Multicrusher, blade and cutter combinations, blade geometry and thickness can be customized depending on the application and the particle size to be achieved.

The Multicrusher is a self-sufficient macerating unit with enormous „Pull-In-Function“. The aggregate can be installed in line sufficiently flooded or on suction and discharge sides of pumping systems.



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Boerger customizes the right blade / cutter combination for your application.



Integrated Packages: Boerger manufactures Single and Twin Screw Augers as metering devices to the Multicrusher. These are also available with Pre-Macerating-Effect. The flow velocity in the auger systems depends on viscosity and solids content.

Ideal fluid handling solutions Made by Boerger: With our combination of Macerating and Pumping Technology wide varieties of fluids/solids are reliably handled. Additionally Boerger offers positive fluid storage solutions from stainless steel with Tank Volumes up to 3,000 m³ (app 800,000 gal).

