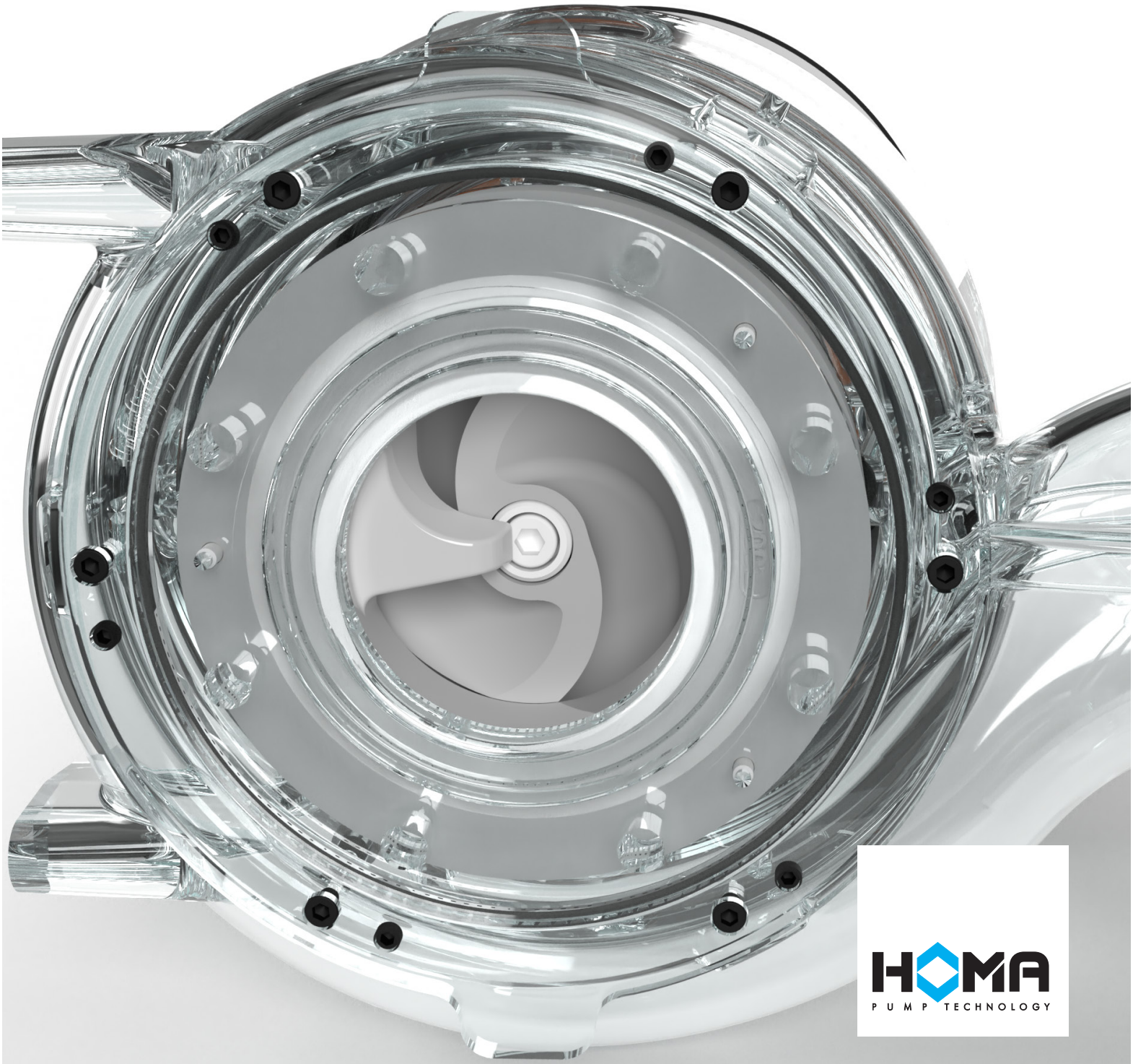


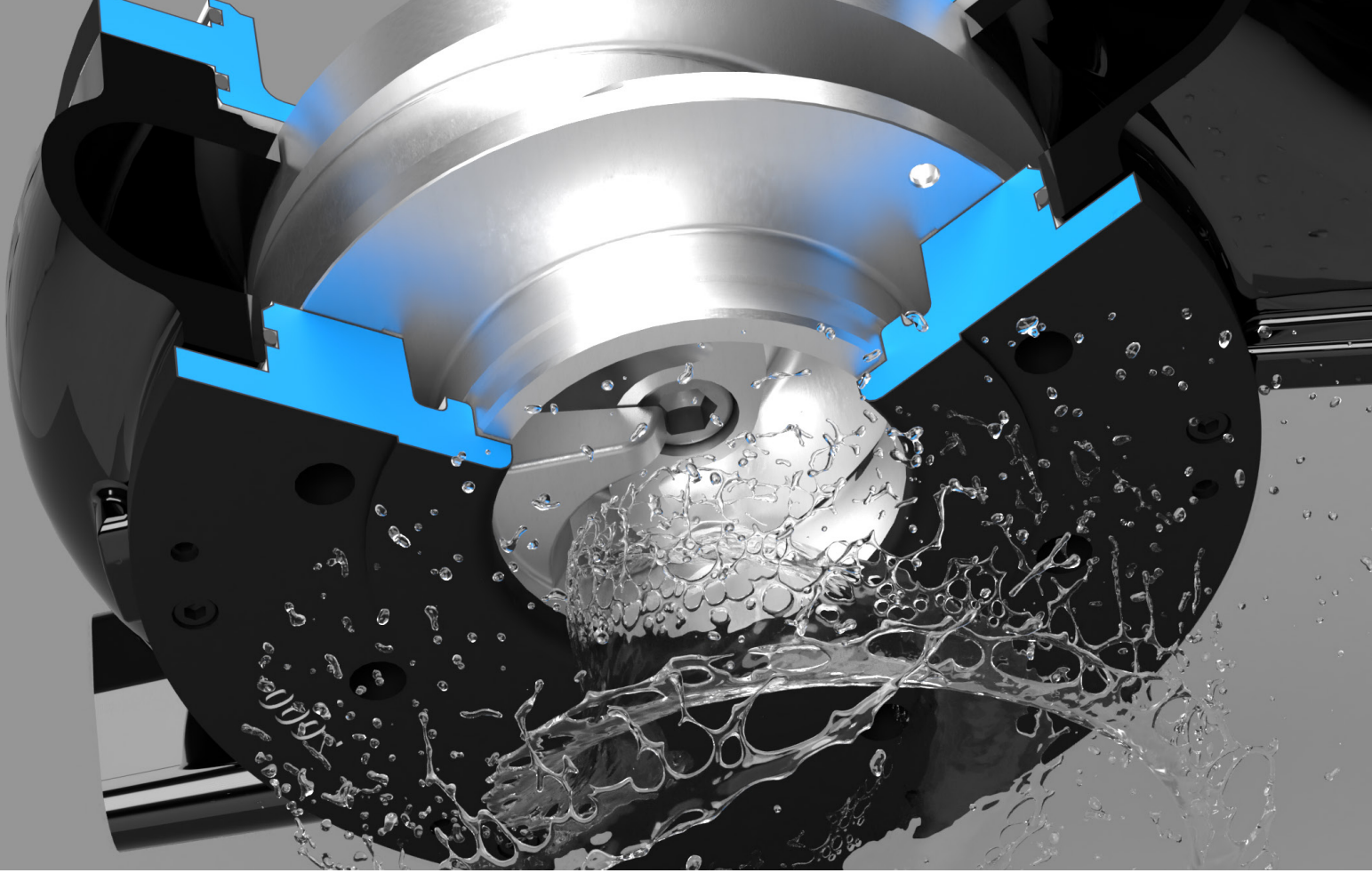
TOUGH AGAINST SOLIDS



The OC series hydraulic | Discharge ANSI 3-4" / DN 80-100 | 60 HZ



HOMA
P U M P T E C H N O L O G Y



HOMA: 75 YEARS OF WASTEWATER SYSTEMS EXPERTISE

GREAT PERFORMANCE

HOMA has long been a market leader in providing cutter and grinder pumps, and the HOMA R&D group was able to draw on this extensive experience in the development of our OC cutting system. These hydraulics break new ground in efficiency, performance and reliability, all paired with the same reliable, high-quality motors that have been proven in our A Series solids-handling line.

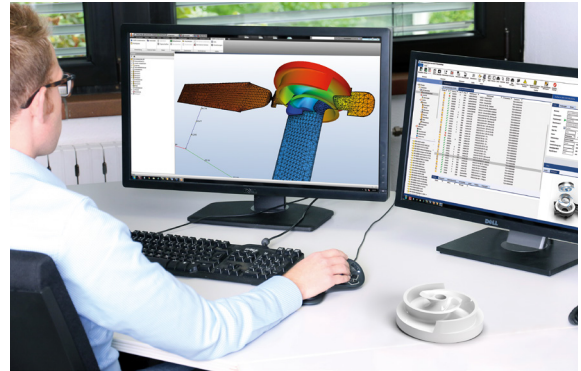
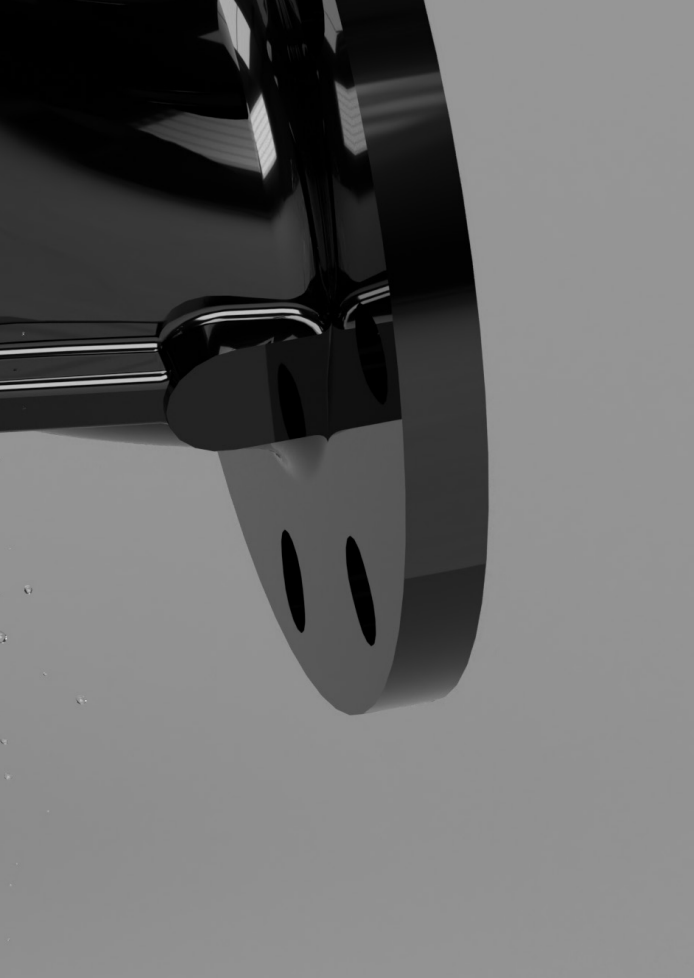
IMPRESSIVELY RELIABLE

Problematic solids such as sanitary products, plastic bags, textiles, and wipes are now the reality in modern wastewater along with solids concentrations that are higher than ever before. Lift stations and sewage treatment plants are increasingly reaching their limits fixing the issues these solids bring. To continue to combat this, HOMA has expanded our offering of cutting technology with the OC hydraulics to shred and remove problematic solids. The specially designed impeller uses integrated cutters, a matching stationary cutter, and sharp-edged cutting-plate to perform up to 7,000 cuts per minute.

Thanks to their high efficiency up to 65 %, the OC hydraulic is capable of delivering high TDH at low flows, while maintaining strong solids-handling performance .

In order to not only achieve the best possible efficiency values, but also reduce lifecycle costs overall, the primary focus during development was on providing low-maintenance operation without compromising on hydraulic efficiency. The impeller and cutting plate are made of extremely durable, high-chromium white iron, which withstands even abrasive substances such as sand in the pumped medium.

Based on 75 years of pump manufacturing expertise, innovative technology and high grade materials, you can count on the German-made quality that HOMA is renowned for.



All new developments are tested and optimized in the HOMA R&D center using the latest computational fluid dynamics software.



Before delivery, the finished units are put through their paces in the HOMA test center.

THE OC IMPELLER

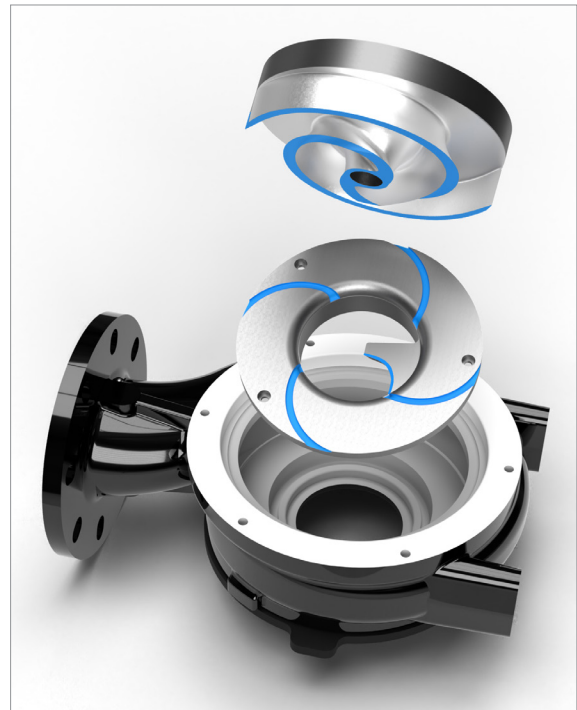
The OC impeller uses integrated cutters and a sharp-edged radius to cut solids against the stationary cutter and cutting plate. Both components work together to catch solids, break them down, and remove them from the suction area via integrated grooves in the cutting plate.

The impeller and cutting plate are made of durable, HRC65 white iron to withstand abrasive substances such as sand in the pumped medium.

EXCEPTIONAL PERFORMANCE

Features of the OC series

- Cutting system reliably shreds solids in the pumped medium
- Wear-resistant hydraulic components made from HRC65 white iron
- High head performance
- Hydraulic efficiencies up to 65 %
- Easy maintenance thanks to modular design of hydraulics
- HOMA's proven A-Series motor technology





THE HOMA RANGE

- › Submersible Wastewater Pumps
- › Submersible Grinder Pumps
- › Dry Pit Wastewater Pumps
- › Submersible Effluent Pumps
- › Sewage Ejector Pumps
- › Mixers And Flow Generators



BEST IN THE BUSINESS

- › Lowest Lifetime Cost Of Ownership
- › Superior Solids Handling Design
- › Minimal Routine Maintenance
- › 3hp-500hp Motors
- › Explosion Proof Options
- › Standard Temp And Leakage Sensors



APPLICATIONS

The OC Series Hydraulics are ideal for a variety of applications:

- › High Head, Low-Flow Wastewater
- › Problematic Wastewater Solids
- › Wastewater Treatment Plants
- › Heavy-Duty Commercial and Industrial Applications

HOMA Pump Technology

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