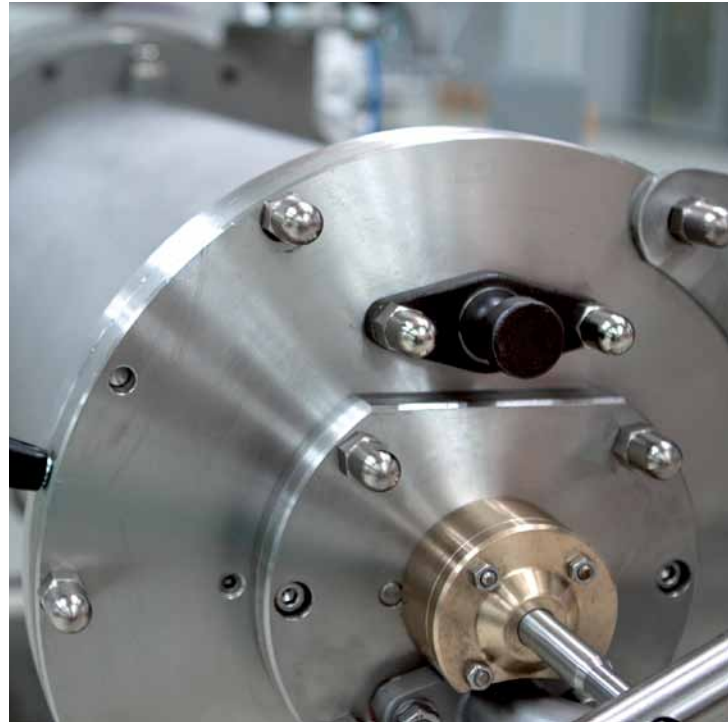


Cenomic™.  
Flexible full-volume  
bead mill.

For an unbeatable price-performance ratio.



# Cenomic™ – high-intensity cooling, metal-free grinding and exchangeable components.



In-situ cleaning of SuperScreen.



Cenomic™ 3 with a COMFORT control package



Preparation of a Cenomic™ with high-intensity cooling in a production plant for marine paint.

The Cenomic™ concept assures reduced specific grinding costs due to higher flow capability without compression of grinding beads, due to the counter flow conveying EcoMizer™ discs.

Because of the consequent use of wear-resistant proprietary materials, a reduced clearance between the outer diameter of the discs and the mill cylinder can be achieved. This leads to an increased grinding efficiency and a long service life. The required feed pressure is reduced significantly because of the particularly large-surfaced SuperScreen. In comparison to other full-volume agitated bead mills, considerably smaller grinding

beads can be utilized with the highest degree of reliability during operation.

The Cenomic™ stands for a reduction of the specific energy requirement, a narrow particle size distribution and a higher product quality with lower specific grinding costs.

### Best cooling for temperature-sensitive products

The exchangeable through-hardened inner liner of the process chamber is in each case surrounded in the full length by an uninterrupted outer jacket. In between there is an annulus through which the actual coolant flows.



### Printing inks

- Publication gravure ink
- Extender formulations
- Offset printing inks
- Packaging inks



### Paints and coatings

- Primer and filler
- Electrodeposit paint for the automotive industry
- Marine paint, for instance, antifouling formulations
- Coil coating products



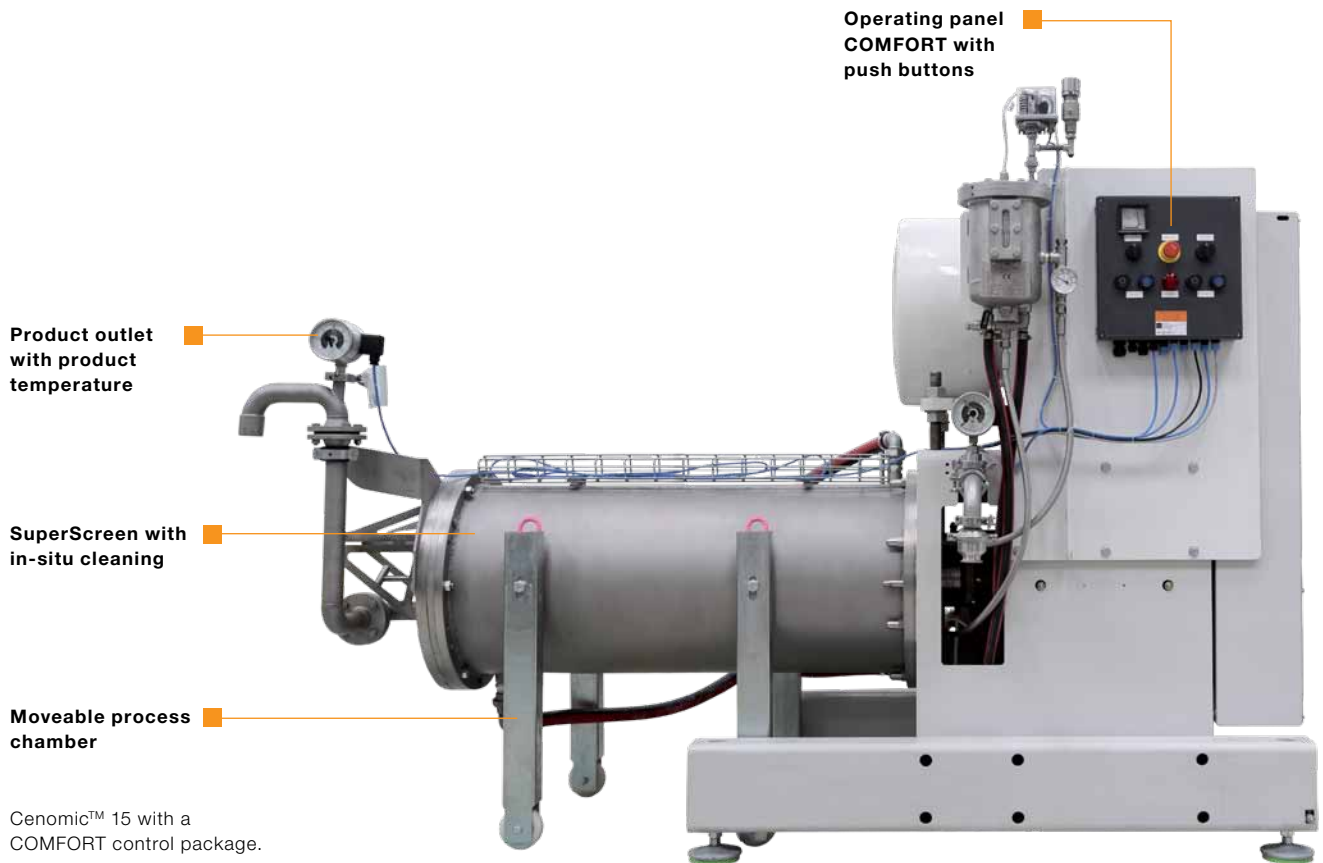
### Chemical industry/specialties

- TiO<sub>2</sub> in organic solvent for textiles
- Masses for catalysts
- Agrochemicals
- Pigment production (ultramarine)



### Minerals and ceramics industry

- Kaolin and talc
- Wet grinding in minerals processing
- Suspensions of powders for engineering ceramics
- Ceramic glazing materials
- Glass-ceramic suspensions



Cenomic™ 15 with a COMFORT control package.

A tightly fitting, steeply pitched spiral lip is responsible for a high flow velocity of the coolant, resulting in excellent heat transfer in the surrounding cooling channel.

### The first choice for metal-free grinding

For materials which do not allow any metal contact or to be contaminated during the grinding process, e.g. ceramic suspensions, slurries of glass powder or white specialty pigments, the individually exchangeable components of the process chamber can be coated with the highly wear resistant specialty elastic material DraisElast™. For this application as well as contribution for minimizing the maintenance cost the inner liner is again designed as exchangeable tube, in this case coated with DraisElast™.

### Exchangeable components for longest service life

All surfaces of the process chamber being in contact with the product are designed as individually exchangeable components. They are manufactured from particularly wear resistant materials: for example grinding chamber lid, inner liner of process chamber, particularly exposed bushings and spacers, EcoMizer™ discs and deflector cage.

### Control package

The Cenomic™ is equipped with a COMFORT or PREMIUM control package. The control package COMFORT-3S has three defined agitator speeds which can be selected by a switch.

With the **control package PREMIUM**, all adjustments of parameters and visualization of operational parameters are realized by a fully graphic touchscreen panel. The package allows for the selection of specific control algorithms and includes a variety of interfaces to superimposed control systems and for data logging.



Control package PREMIUM: explosion-proof full version, fully graphic touchscreen panel with foil keys, emergency button

**Bühler AG**  
CH-9240 Uzwil, Switzerland  
T +41 71 955 11 11  
F +41 71 955 31 49  
[grinding.dispersion@buhlergroup.com](mailto:grinding.dispersion@buhlergroup.com)  
[www.buhlergroup.com](http://www.buhlergroup.com)

**Bühler, Inc.**  
40 Whitney Rd.  
Mahwah, NJ, 07430, USA  
T +1 201 847 0600  
F +1 201 847 0606  
[gdnorthamerica@buhlergroup.com](mailto:gdnorthamerica@buhlergroup.com)

