Centex™.
The full-volume bead mill for highest productivity.

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Centex™ – flexible and industrially proven.
Solution for the chemical and minerals industry.

The Centex™ 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.

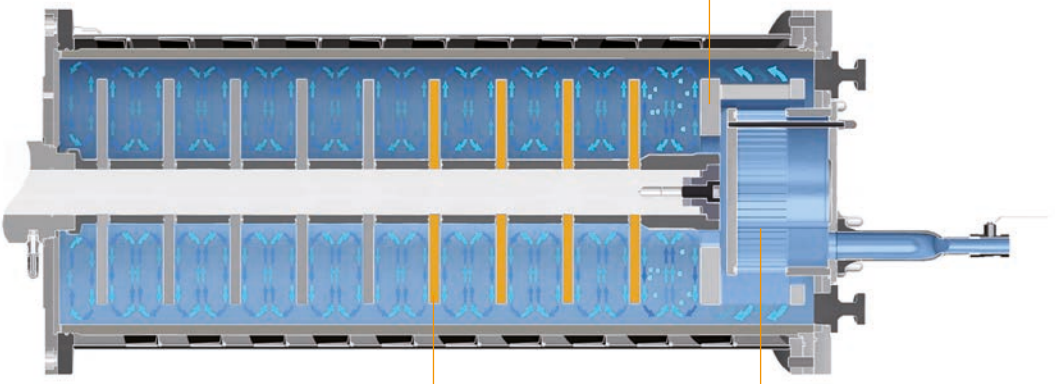
The Centex™ stands for a reduction of the specific energy requirement, a narrow particle size distribution and a higher product quality with lower specific grinding costs.

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.

Automation
With the non-ex 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.

Simplified schematic of a Centex™ process chamber

Highly efficient bead separation
– No beads near the screen
– Smaller beads can be used
– Most efficient grinding process



Reverse feeding EcoMizer™ agitator discs
– Narrow particle size distribution
– Reduced processing time
– Reduced production costs

Large screen surface
– Lower pressure inside the chamber
– Reduced temperature issues
– Higher throughput rates

Applications – chemical and minerals industry:

– TiO_2 in organic solvent for textile fibre applications
– Masses for catalysts
– Grinding processes during pigment production
– Post-treatment of TiO_2 (sulfate and chloride process)
– Calcium carbonate as filler quality and as paper coating masses
– Kaolin and talc for a variety of final applications
– Wet grinding in minerals processing
– SiO_2 in water as filler material for coatings
– $BaSO_4$

Bühler AG
CH-9240 Uzwil, Switzerland
T +41 71 955 11 11
F +41 71 955 31 49
grinding.dispersing@buhlergroup.com
www.buhlergroup.com

Buhler (Wuxi)
Commercial Co., Ltd.
CN-214142 Wuxi
Jiangsu, China
T +86 (510) 8 528 28 88
F +86 (510) 8 528 28 89