Visconomic+™. Maximum flow rates for high viscous products.
Visconomic™ bead mill.
Setting new standards.

Visconomic™ is the innovative solution for the efficient processing of high viscous products. The advanced process chamber design allows the highest flow rates and effective temperature control. Further advantages include flexible control options and user-friendly design.

**High flow rates**
Visconomic™ allows high flow rates even with high viscous products such as UV offset inks. The unique pin-type process chamber design guarantees efficient wet grinding and dispersing. Additionally, the dynamic gap separation effectively prevents blocking.

**Flexible control options**
Our different control options allow you to choose the most cost-efficient solution for your needs. From our ‘Comfort’ control with push-buttons to an integrated IoT plant solution, our experts can work with you to specify the best solution.

**User-friendly design**
With the process chamber set at a user-friendly height, the Visconomic™ is easy to operate. All relevant parts are fully accessible which simplifies maintenance. Additionally, the optional circuit cooling system allows pre-heating of the system for a smooth production process.

**Suitable for temperature-sensitive products**
Visconomic™ offers precise product temperature control up to the very highest product viscosities. The rotor and stator cooling allow for an intense cooling capacity. In addition, the ceramic inner liner offers even more efficient cooling and improved wear performance.
Combining efficiency and convenience. 
*For best results.*

The enhanced features of the Visconomic+™ allow for the highest efficiency and convenience. The ergonomic design and easy access to all relevant parts simplify operation.

- Process chamber at a user-friendly height
- Rotor and stator cooling
- Process chamber designed for homogeneous bead distribution
- Trolley for easy and safe stator handling
- Dynamic gap separation prevents blocking
- Multiple control options
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Intelligent process chamber design.  
**Refined technology for efficient wet grinding.**

The plus in usability.

**Process chamber at a user-friendly height**

To make maintenance as easy as possible, the process chamber is set at a user-friendly height. This allows the operator to work in an upright position.

**Trolley for easy stator handling**

The trolley supporting the stator makes it easy to remove the stator for cleaning and bead changes.
Why the Visconomic+™ fits your needs

Highest flow rates: The novel process chamber design of the system combined with the efficient dynamic gap separation feature enables the highest flow-rates, even with very high viscosities.

Excellent cooling capacity: The extended cooling surface of the rotor and stator assures stable process temperatures on a very low level. The grinding chamber materials have excellent heat conductivity properties to further enhance the heat transfer process.
Bühler Control Systems.  
Flexible solutions – tailored to your needs.

**COMFORT**
Convenient solution with manual operation.  
The machine is controlled entirely by pushbuttons whereby signal lamps and displays indicate the machine status. Depending on the process, the rotor speed can be selected.

**PREMIUM**
First-class solution with PLC and touchscreen.  
A new user interface with PLC programming and touchscreen allows easy and intuitive operation of the machine. The job-related analysis and diagnosis of the operating data informs the operator about the machine status.

**PREMIUM PLUS**
Enhanced solution with extendable functionalities.  
The Premium Plus control offers advanced features and can integrate the control of tanks, peripherals and pre-grinding machines.

**WINCOS®**
Comprehensive plant control system for fully automated processes.  
With WinCos®, we offer a plant control system that fulfills every demand – module by module, characterized by great flexibility and individual support.

**IoT Ready**
Bühler control systems are designed for IoT which opens up numerous possibilities for an extended use in the future. The system is able to store data in the cloud allowing location- and device-independent access and control. Further features include, but are not limited to, intelligent data analyses, long-term traceability and automatic alerts.
Technical data.
Visconomic+™ bead mill.

Visconomic+™

Drive [kW]

Active volume of process chamber [l]

Stator inner liner (exchangeable) Hardened stainless steel, Silicon carbide

Rotor Hardened stainless steel

Pins Carbide metal

Bead separation Carbide metal

Execution Non-Ex, Ex

Cooling (stator and rotor) Pass cooling, Circular cooling with integrated heating

Optional

Applicable diameter of beads [mm]

Circumferential speed [m/s]

Dimensions [mm]

H 468
H1 993
H2 1542
L 2088
L1 2838
W 1242
W1 1413

Weight [kg]

Machine empty 1670
Switch cabinet and pump approx. 300

= Standard, All data are approximate. Technical alterations reserved. Visconomic+™ is a trademark of Bühler AG.