Visconomic.

Maximum flow rates for high viscous products.

Innovations for a **better world.**

BÜHLER

Visconomic bead mill.
Setting new standards.

UV offset inks

Sheet-fed offset inks

Cosmetics

Inks for electronics

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.

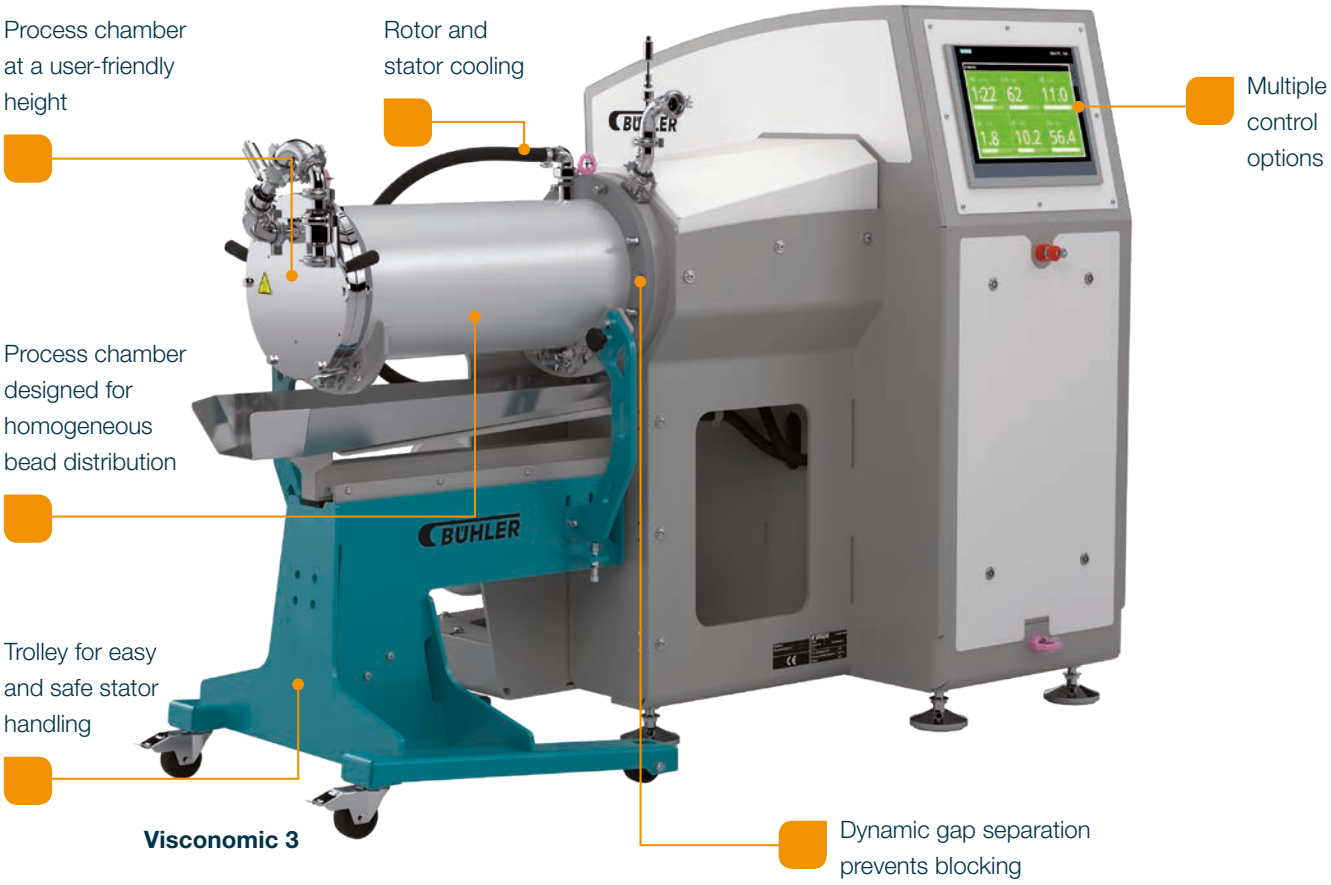
Suitable for temperature-sensitive products
Visconomic offers precise product temperature control up to the very highest product viscosities. The rotor and stator cooling allow for an intense cooling capacity. In addition, the ceramic inner liner offers even more efficient cooling and improved wear performance.

Flexible control options
Our different control options allow you to choose the most cost-efficient solution for your needs. From a basic PLC control 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 or the flow-through cooling with integrated heating device allow pre-heating of the system for a smooth production process.

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.



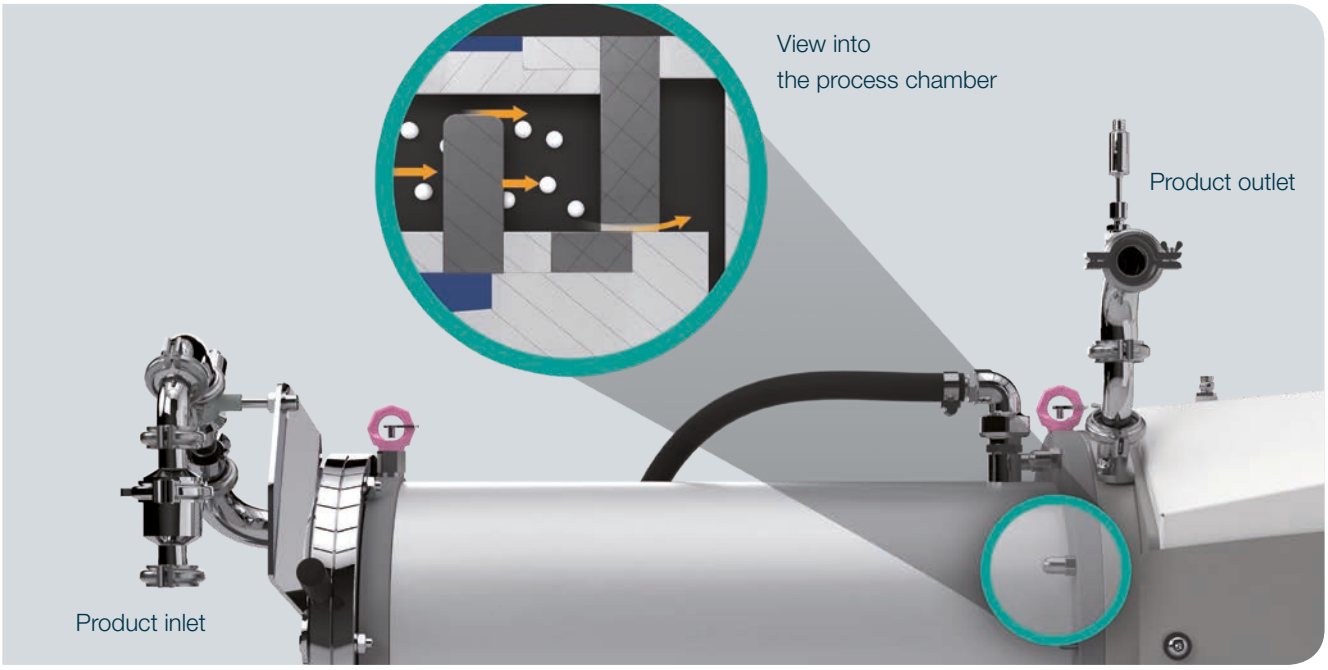
Visconomic 3

patent pending

Benefits

– High flow rates even with high viscous products
– Suitable for temperature-sensitive products
– Flexible control options
– User-friendly design

Intelligent process chamber design.
Refined technology for efficient wet grinding.



The plus in usability.

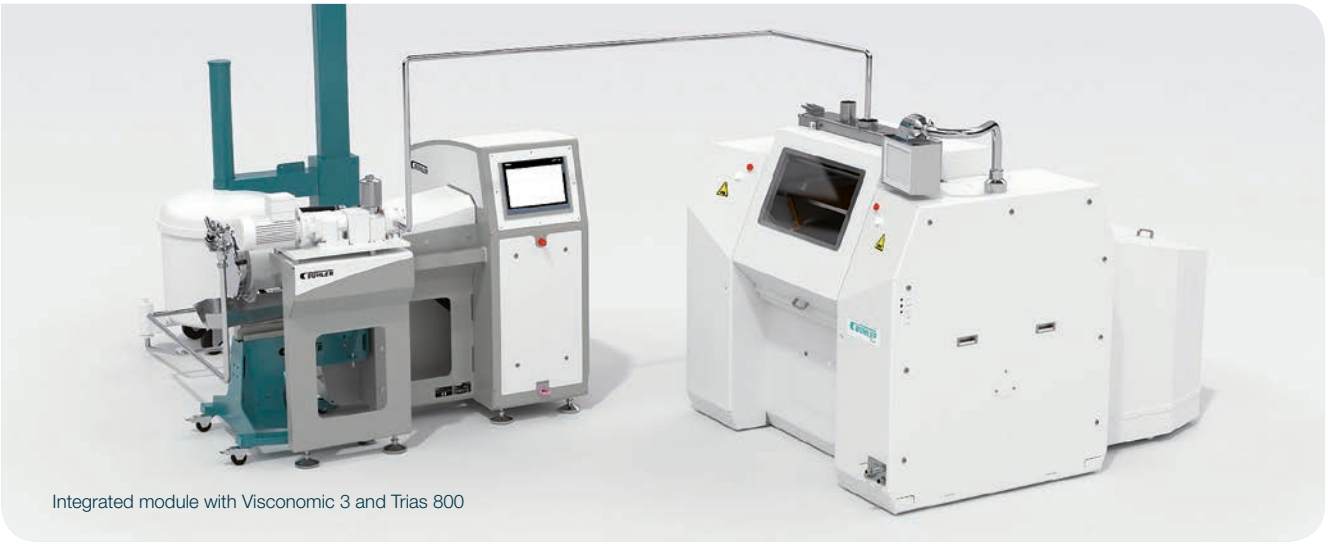
Process chamber at a user-friendly height

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.

Easy stator handling

The stator of the Visconomic can be easily removed either by the use of a trolley (Visconomic 3) or on integrated wheels (Visconomic 6) allowing for cleaning and bead changes.

The right solution for your needs.
Visconomic for UV and sheet-fed inks.



Integrated module with Visconomic 3 and Trias 800

Automated sheet-fed ink production line with Visconomic 3

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.

Visconomic 6

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®

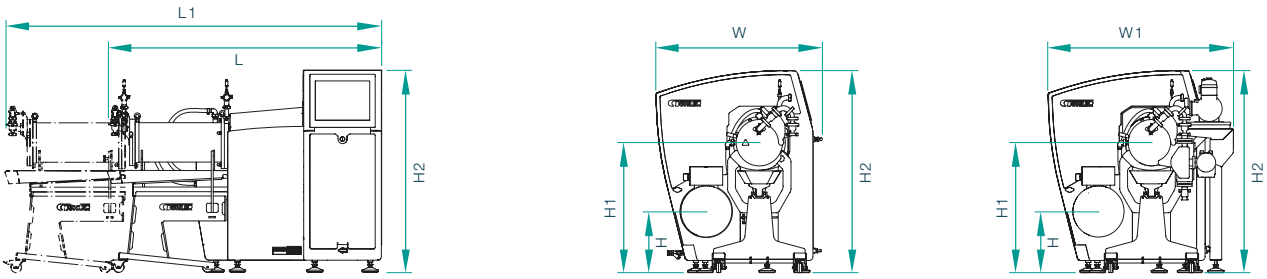
Comprehensive plant control system for fully automated processes. With WinCos®, we offer a plant control system that fulfills every demand – module by module, characterized by great flexibility and individual support.

IoT Ready

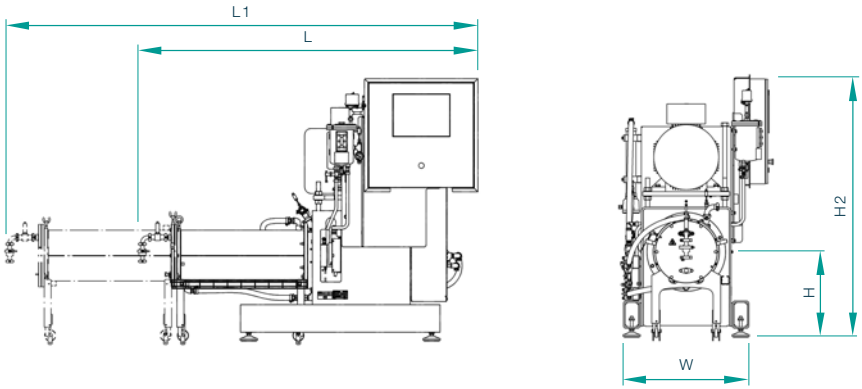
Bühler control systems are designed for IoT which opens up numerous possibilities for an extended use in the future. The system is able to store data in the cloud allowing location- and device-independent access and control. Further features include, but are not limited to, intelligent data analyses,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

Technical data.
Visconomic bead mill.

Visconomic 3



Visconomic 6



Visconomic		3	6
Drive [kW]		30	55
Active volume of process chamber [l]		15.6	31.6
Stator inner liner (exchangeable)	Hardened stainless steel	O	O
	Silicon carbide	●	●
Rotor	Hardened stainless steel	●	●
	Unalloyed steel	-	O
Pins	Carbide metal	●	●
Bead separation	Carbide metal	●	●
Execution	Non-Ex	●	●
	Ex	●	●
Cooling (stator and rotor)	Flow-through cooling	●	-
	Flow-through cooling with integrated heating	-	●
	Circular cooling with integrated heating	O	O
Applicable diameter of beads [mm]		1.0–2.5	1.0–2.5
Circumferential speed [m/s]		4.0–12.0	4.2–12.2
Dimensions [mm]	H	468	618
	H1	993	
	H2	1542	1880
	L	2088	2465
	L1	2838	3426
	W	1242	910
	W1	1413	1086
Weight [kg]	Machine empty	1670	2200
	Switch cabinet and pump	approx. 300	approx. 300

● = Standard, O = Option, - = not available, All data are approximate. Technical alterations reserved. Visconomic is a trademark of Bühler AG.

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