

Trinomic™.
**Fully hydraulic
three-roll mill
for an unbeatable
price-performance
ratio.**

Trinomic™ – efficient and robust.

Three-roll mill for various applications.

Trinomic™ is a three-roll mill developed for universal applications that meets the most stringent quality standards. It is designed to ensure maximum productivity and efficiency for your production process. It is a versatile mill for high to very high viscosity masses, for example all types of printing inks, artists' colors, industrial and decorative paints, toners, and coating masses.



Trinomic™ 600

COMFORT-3S
control package



Mechanical
roll gap setting



Hopper level control

Splash/safety guard
for best operator
protection

Apron with
adjustable
knife holder



Trinomic™ 1300

Tub tilting device



Hopper level control



Mechanical
roll gap setting



Individual cooling
of each roll

COMFORT-3S
control package





Industry-proven machine design. **Increased functionality and safety.**



Hydro-dynamic roll pressing system

The hydro-dynamic roll pressing system guarantees high throughput and permanently stable, reproducible pressures in the roll gaps.



Three roll operating positions

Trinomic™ offers several operating positions for maximum usability. The operating position "pressing" is the working position for fine grinding and dispersion. The "mixing" position provides a pressed intake gap for intermixing of the material. The "disengagement" position ensures that the rolls are disengaged for cleaning.



Bühler safety concept

A safety guard (aluminum or stainless steel) allows material to be fed to the rolls by a pump, a press-out device, or manually. The intake point below the scraper knife is protected by a collection sump with an electrical detector. In addition, a safety bar ensures a safe cleaning process.

Press-out device. **Increased productivity for your processes.**

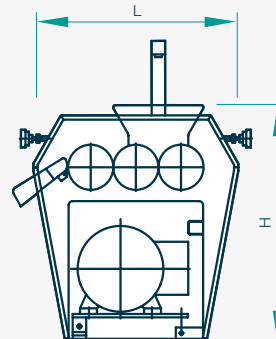
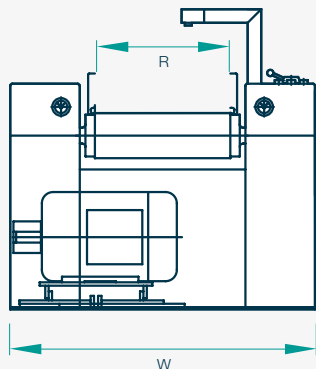
The press-out device mainly serves to feed the three-roll mills with medium to highly viscous products. It is a reliable system that can be controlled using the hopper level sensor of the three-roll mill.



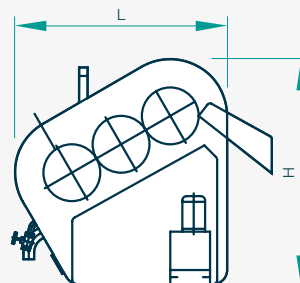
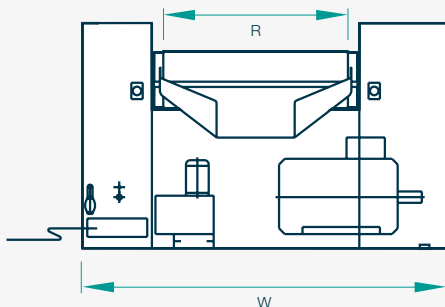
Trinomic™.

Technical data.

Trinomic™ 600



Trinomic™ 1300



Specification and dimensions

	Trinomic™ 600	Trinomic™ 1300
Centrifugally cast rolls	●	●
Open flow cooling system	●	●
Safety bar with interlock	●	●
Mechanical gap adjustment	●	○
Ex proof	○	○
Automatic product feed control with dry running protection	○	○
Safety cover	○	○
Control system COMFORT-3S	●	●
Inching	○	○

	Trinomic™ 600	Trinomic™ 1300
H – Height [mm]	1,070	1,585
W – Width [mm]	1,355	2,560
L – Length [mm]	910	1,495
R – Rolls length [mm]	600	1,300
Rolls diameter [mm]	200	400
Drive [kW]	18.5	55
Approx. weight net [kg]	1,120	4,550
Approx. weight by sea [kg]	1,430	5,300
Volume of seaworthy packing [m³]	2.1	12

● = Standard, ○ = Option, Trinomic™ is a trademark of Bühler AG. All data are approximate. Technical alterations reserved.

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