



Metzner KL-BV

Automatic universal cutting machine for precise and efficient processing of hoses and elastic materials

Metzner KL-BV Series

»Universal cutting machine for elastic materials«

Precision cutting of highly elastic hoses, cords and sealing products with soft material mixtures requires highest performance of cutting machines. The solution for ideal cutting quality, superior performance and easy operation is the result of years of development and experience: The Metzner KL-BV.

Scope of application

The Metzner KL-BV cuts hoses, cords and other round elastic materials with outstanding accuracy in both length and repetition. This especially applies to difficult materials such as silicone tubes for the medical industry.

Main features and advantages

The long belt drive in combination with the adjustable, centric belt pressure system, provides a slip free material feed with very smooth handling. The standard tube cut technology with an extremely thin blade offers a superior cutting quality compared to other cutting methods – even with very soft and elastic hoses.

Due to the application of high-performance pneumatic elements, the KL-BV offers an outstanding cutting performance of up to 360 cuts per minute.

Easy to operate

With its well-arranged 5.7" touch screen display, the multilingual user interface makes operation easy and intuitive. Machine features are available very fast and processing parameters can be put in with very little complexity. Up to 100 recurring processing routines can be saved to the machine and are available at the push of a button.

Manifold possibilities for expansion

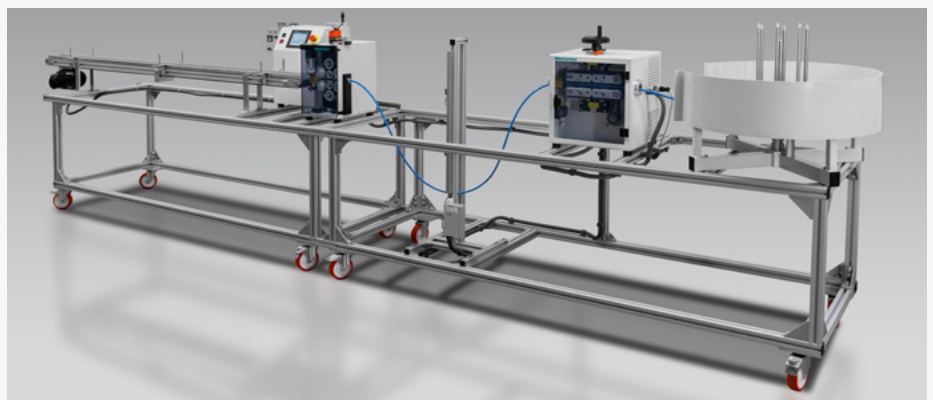
KL-BV machines can be expanded by a variety of Metzner peripheral units such as de-reelers, fee-

ding units, loop controls and take-off conveyors to form a complete production line (see picture).

To increase performance even more, KL-BV machines can be equipped with an optional servo drive for feeding speeds up to 120 m/min.

Life-long satisfaction

Patented technologies, high quality standards, years of experience and a proven after-sales service ensure that you achieve first-class quality and production efficiency over the total life of your Metzner machinery.



Technical Data

Performance Data	Metzner KL-BV
Material diameter max.	Ø 12mm oder Ø 18mm
Material diameter min.	1mm
Size increments min.	0.1mm
Typische repeatability exactness ¹⁾	± 0.2%
Feeding speed max.	60 m/min
Cutting rate max. ²⁾	360 /min
Cutting technology	tube cut with industrial blade

Technical Data	
Electrical connection	230 V, 50/60 Hz, 6 A
Compressed air connection	6 bar
Dimensions (LxWxH)	400 x 370 x 650mm
Weight	65 kg incl. control unit
Controls ³⁾	PLC
Display	Color LCD-TFT (Touch-Screen, 5,7")
Motor	3 ~ stepper

Overview

Outstanding features
The specialist for hoses, very thin, elastic and pressure sensitive materials (such as silicone hoses) with unparalleled precision and processing speed.
<ul style="list-style-type: none"> • Very high length precision • Very high repeatability exactness • Modern and user friendly operation • Gentle material handling • Long belt drive in combination with the adjustable, centric belt pressure system, guarantees slip free material feed. • Tube cut as standard • Unparalleled cutting quality even at speeds up to 360 cuts/min

¹⁾ depending on material | ²⁾ at cutting length 5 mm | ³⁾ PLC = PLC Controls | Specifications are subject to change without notice.



www.metzner.com

Metzner Maschinenbau GmbH
Messerschmittstraße 30
89231 Neu-Ulm | Deutschland

Tel: +49 (0)731 40199-0
Fax: +49 (0)731 40199-34
E-Mail: sales@metzner.com