



Metzner ST-OB

Automatic universal cutting machine with innovative cutting technology

Metzner ST-OB Series »compact, precise, fast«

Universal cutting machines of the Metzner ST-OB Series convince with their precision, their compact design and the wide set of materials (rubber profiles, textile-covered tubes, film, fabric, labels, cables, wires and many other materials) that they are able to process. To always achieve the ideal cutting quality at varying material prerequisites, ST-OB machines offer a choice of three alternative cutting technologies (die cut, shear cut, tube cut) and two different equipment levels.

Metzner ST-OB Red

The Metzner ST-OB Red convinces both with an attractive price and an innovative feature set. Electronic PLC-controls offer the possibility to adjust and save all processing parameters such as feeding speed, cutting length and cutting according to the material specifications. A modern stepper motor provides high positioning precision as well as continuously adjustable feeding speed. The result: A powerful machine with a feature set superior to machines with DC drive and clutch.

Metzner ST-OB Green

The decisive advantage of the Metzner ST-OB Green is the increased cutting and feeding performance, as well as the integration of peripheral connectors. A special high performance pneumatic cylinder with adjustable cutting depth provides a 30% increase in performance at short cutting lengths. A stepper motor with higher speed and torque guarantees superior pulling force for material feeding and increased cutting performance at long cutting lengths. With a complete set of interfaces, the ST-OB Green is ideally prepared for expansion to a production line with peripheral units such as loop controls or take-off conveyors. The separate control unit enables the ST-OB Green to be used in both rightward and leftward production lines.

Life-long satisfaction

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



ST-OB Series with die cut module.



ST-OB Red with integrated controls.

Technical Data

Performance Data	Metzner ST-OB Red	Metzner ST-OB Green
Material dimension width max.	150mm	150mm
Material dimension height max.	25mm ¹⁾	30mm
Size increments min.	0.1mm	0.1mm
Typical repeatability exactness ²⁾	± 0.2%	± 0.2%

Technical Data		
Electrical connection	230 V, 50/60 Hz, 6 A	230 V, 50/60 Hz, 6 A
Compressed air connection	6 bar	6 bar
Dimensions (LxWxH)	700 x 400 x 650mm	700 x 400 x 650mm
Weight	50kg	70kg incl. control unit

Red-Green Equipment Level		
Feeding speed max.	45 m/min	60 m/min
Cutting rate max. ³⁾	150 /min	205 /min
Controls	PLC ⁴⁾	PLC
Display	2-Line-Display	Color LCD-TFT (Touch, 5,7")
Motor	3 ~ stepper	3 ~ stepper
Pneumatic cylinder	Festo	Metzner High-Speed
Integrated connectors for peripheral units	—	●

¹⁾ 25mm bei 30° knife, 20mm bei 45° knife | ²⁾ depending on material | ³⁾ at cutting length 5mm | ⁴⁾ PLC controls with CoDeSys programming | ● = Yes, — = No | Specifications are subject to change without notice.

Overview

Outstanding features:

Robust universal cutting machine with adjustable cutting depth and especially fine belt pressure adjustment. For all applications that require power, robustness and a long life-cycle.

- Automatic cutting machine with three alternative cutting technologies for different processing (die cut, shear cut or tube cut).
- Fine belt pressure adjustment (hand wheel with counter)
- Programmable PLC Control
- Stepper motor for exact positioning and variable speeds as standard
- Two equipment levels available
- Variable cutting depths (Green Version)
- Integrated interfaces for a variable expansion with peripheral units (Green Version)
- Robust and long-life design



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