



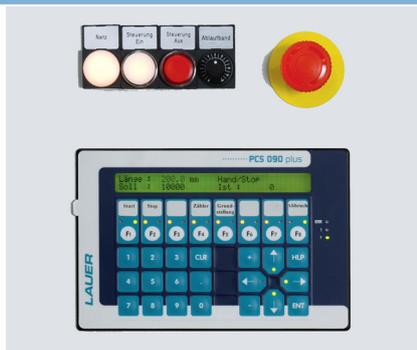
Metzner TCM Series

Travelling Knife Cutting Machines for Rigid Materials

Metzner TCM Series

Synchronised and precise in-line cutting

Metzner



Wherever rigid rubber or plastic materials have to be accurately processed in line, Metzner offer machines with a moving carriage to ensure smooth production flow. Whether steel re-enforced or co-extruded profiles or tubes, these machines provide precision process operations, completely synchronised to the line speed.

The perfect solution for non flexible materials

The Metzner machines themselves detect the line speed and control automatically its working cycle according to the precise pre-

feed speed. Taking into account the requested cut lengths, as well as the processing time, the high-performance motion control system control positions the processing tool in the required position and starts the operation. Throughout the process, the machine follows the exact line speed and thus ensures a precise and square cutting operation.

Multifaceted applications

The Metzner TCM series is designed for multifaceted applications, such as cutting, drilling, sawing, grinding. Depending on your

requirement you can choose the right tool. Most tools can be changed easily and quickly and therefore they assure a short changeover during changing applications.

Easy to operate

Entering just a few parameters is enough to enable a Metzner travelling cutting machines to produce precisely what you require. All values are freely programmable via the simple operator display and keypad, which is an important advantage when adjusting the machine for challenging materials. The machines are equipped as standard with an efficient PLC based control system, offering programs for numerous materials and applications.

Peripherals

Metzner offers various accessories as useful supplements to their machine solutions: material collectors, stackers, 90° take-off conveyers or printing and marking devices.

Performance	Metzner TCM
Material size (W x H)	80mm x 30mm (3.15" x 1.18")
Cutting lengths min.	100mm at 6,0 m/min (3.94" at 0.33 ft/sec) 250mm at 12,5 m/min (9.84" at 0.67 ft/sec) 600mm at 25,0 m/min (23.62" at 1.34 ft/sec)
Product length max.	1000m (3280.84 ft)
Cutting cycle	60 pcs/min
Prefeeding speed	0,2 – 25,0m/min (0.011 – 1.37 ft/sec)
Length resolution	0,1mm (0.004")
Drive	Servo motors
Technical data	
Dimensions (L x W x H)	1610 x 845 x 2000mm (63.39" x 33.27" x 78.74")
Electrical connection	3~ 400V, 50 - 60Hz, 16A
Required air pressure	6 bar (87 psi)
Weight	approx. 400 kg (882 lbs)
Optional equipments	
• Cutting based on marking	
• Scrap cut off (cutting off deficient material)	
• Blow off unit	

Specifications are subject to change without notice.

The advantages at a glance

- Precise and synchronised processing of rigid materials
- Flexible changing of cutting methods
- Holder for all tools associated with the Metzner MBS machine series
- Multiple processing with one tool carrier

www.metzner.com

Metzner Maschinenbau GmbH

Messerschmittstraße 30
89231 Neu-Ulm | Germany
Phone: +49 731 40199-0
Fax: +49 731 40199-33
Email: sales@metzner.com
Internet: www.metzner.com