

# METZNER CCM

Circular knife cutting machines for steel reinforced materials



pic.: Metzner CCM 4

## FEATURES

- For cutting steel reinforced profiles and hoses
- For flexible as well as rigid materials
- For use in-line or as a stand-alone-system
- Cutting rigid material directly from the extruder (CCM 6)
- For dry and moistened cutting
- For materials up to 100 mm width and 30 mm height
- Prepared for an additional cutting tool as a standard (CCM 4 and CCM 6)



pic.: Metzner CCM 2



pic.: Metzner CCM 6

All three models are specially designed for cutting steel reinforced profiles and hoses.

The Metzner CCM 2 operates in dry cut with dust extraction, whereas the Metzner CCM 4 operates in both dry and wet cut.

The Metzner CCM 6 is specially designed for processing rigid profiles or rigid hoses with steel reinforcement down stream the extruder.



## ALL TECHNICAL DETAILS AT A GLANCE

Performance data	CCM 2	CCM 4	CCM 6
Application	Dry cutting of reinforced materials	Dry or wet cutting of reinforced materials. 2 <sup>nd</sup> knife onboard	Cutting of rigid materials downstream the extruder. 2 <sup>nd</sup> knife onboard
Dimension of material: width		max.100 mm   3.9"	
Dimension of material: height		max. 30 mm   1.2"	
Length interval		0.1 mm   0.004"	
Typical repeat accuracy		± (1mm   0.04" + 0.2 % l)	
Feeding speed max.	120 m/min.   394 ft./min.		60 m/min.   197 ft./min.
Cutting performance	100 cuts/min.		65 cuts/min.
Rotational speed	2,000 - 3,000 RPM or 4,000 - 10,000 RPM		1,000 - 6,000 RPM or 4,000 - 10,000 RPM
Equipment	CCM 2	CCM 4	CCM 6
Cooling water circuit	–	✓	–
Minimum lubrication	option	option	option
Gap detection	–	option	option
Additional cutting tool	option	✓	✓
Cutting out of defects in the material	option	option	option
Remote service module	option	option	option
Available cutting technologies	CCM 2	CCM 4	CCM 6
Die cutting	option	option	option
Shear cutting	option	option	option
Draw cutting	option	option	option
Blade cutting	option	option	option
Hot cutting	–	–	–
Circular knife (driven)	✓	✓	✓
Flying head cutting	–	–	✓
Technical data	CCM 2	CCM 4	CCM 6
Dimensions (L x W x H)	2,060 mm x 750 mm x 1,680 mm   6' 9.1" x 2' 5.5" x 5' 6.1"	2,000 mm x 1,300 mm x 2,300 mm   6'6.7" x 4' 3.2" x 7' 6.6"	4,370 mm x 1,500 mm x 2,200 mm   14' 4" x 4' 11" x 7' 2.6"
Electrical connection		3~400 V; 50/60 Hz; 16 A or adapter	
Compressed air connection		6 bar   87 PSI	
Weight	400 kg   882 lbs	900 kg   1,984 lbs	1,500 kg   3,307 lbs
Drive		Siemens	
Display		7" touch screen (color)	
Consumption kVA   bar	P: 1.0 kVA   approx. 120 l/min.		P: 1.4 kVA   approx. 120 l/min.
Noise (idle)		< 75dB (A)	

Status: February 2025