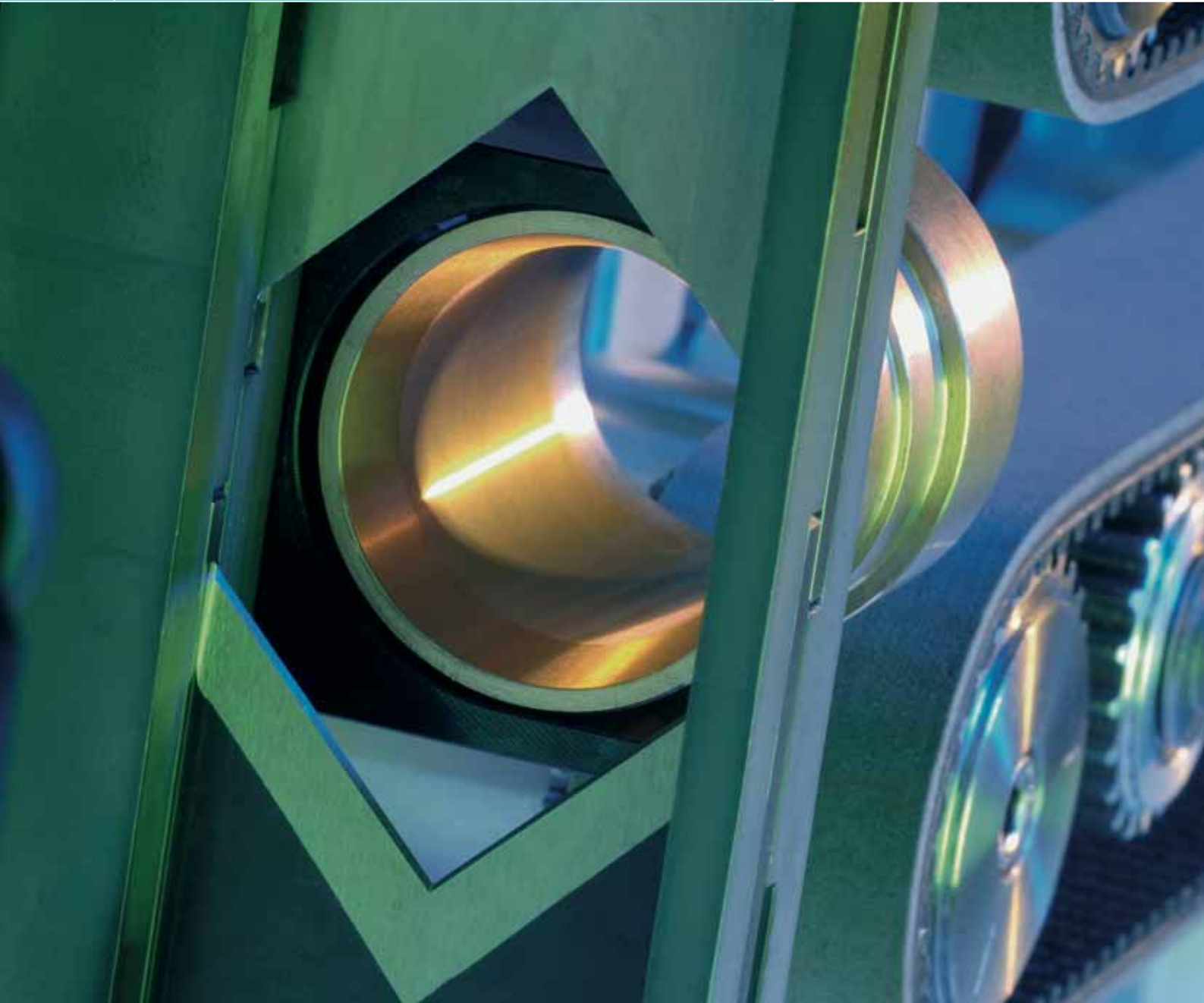


**Metzner**



## **Metzner AM 5000 Series**

**Performance, precision, versatility**

# Metzner AM 5000

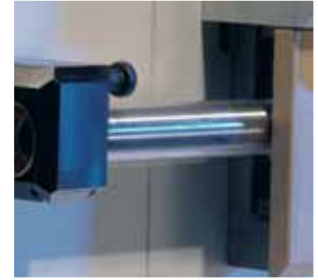
## Fully electronic cable processing machines



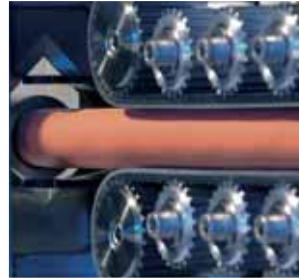
AM 5300



Operator terminal



Swivel unit



Belt feed



Double blade cutting system

## You are a step ahead with the performance and the features of the AM 5000 series!

If you want to set new standards in cable processing, you must be prepared to break new ground. Look at our result: The new AM 5000 series with cutting power, stripping force, processing features, operator comfort and service life at highest level. See for yourself the many benefits of a real "number one".

### Application area

#### **Robust, powerful, expandable**

In every production process where large cables must be reliably and precisely processed, the models in the AM 5000 series are the right choice. They are suitable for cables up to 30 mm diameter and a cross section up to 185 mm<sup>2</sup> (even up to 240 mm<sup>2</sup> depending on the material).

Likewise the AM 5000 series is capable to process as well thin cables down to 0.5 mm<sup>2</sup>.

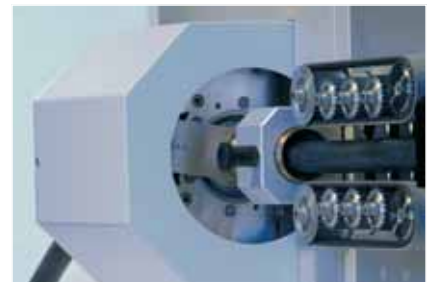
In order to easily facilitate integration into an automatic processing line, all the models are designed for expansion and control of various peripheral equipment.

### Technical features and advantages

- **Powerful drive:**  
Three-phase stepper motors with extremely strong torque guarantee outstanding power output for both stripping and cutting.
- **Intelligent contact pressure for optimal material handling:**  
Both belt feeder units are equipped with electronically controlled and Metzner specific "Vario-Press"-system. With this innovative system, the contact pressure is adjusted to the required stripping force in fractions of a second, i.e. maximum contact pressure for the moment of pulling-off, reduced contact pressure during stripping and minimum contact pressure for material transport. In combination with the exceptionally long belt feeder, the AM 5000 models thus guarantee optimum gentle material handling.
- **High productivity due to speed:**  
The AM 5000 series feeder units with a transport speed of 150 m/min increase the productivity of the machines, particularly for large cable lengths or when processing smaller cable diameters.
- **One operation – two processes:**  
Different processes can be performed in one single operation using the patented "Double blade cutting system". Examples of the numerous processing possibilities include:
  - V-blade for cutting to length and radius blade for removing insulation
  - Radius V-blade for cutting to length and removing insulation and cleaver for removing intermediate sheathing
  - Simultaneous processing of outer jacket and internal cores for multi-core cables
- **Precise rotary cut:**  
The Metzner AM 5350 is equipped with a rotary cutting module for processing coax cables and for cables with very thin or tough sheath insulations. It guarantees an exact circumference cut of the cable covering or the cable screening for these materials. The various functions like cutting depth or rotation speed and blade feed are freely programmable and ensure optimal processing results for the various material requirements.



AM 5350



Rotary cutting module



Monitoring sensors

- User-friendliness and overview:**  
 The individual production parameters are input easily and without complication via menu prompting - even for demanding insulation materials. The display shows the cable currently being processed and the selected processing values. As all selected parameters are saved, recurring jobs can be set up in no time.
- Extensive provision of interfaces:**  
 Every Metzner AM 5000 is prepared for a complete set of interfaces. This provides the benefit of being able to expand each AM 5000 in numerous application specific ways.
- Cable printing included:**  
 Metzner provide the integration of a cable printing system (e.g. inkjet) as standard in the control system of the AM 5000 machines. This saves you the additional investment for software and a PC.

## Applications

		AM 5300	AM 5350
	Cable processing up to 185 mm <sup>2</sup> cross section (240 mm <sup>2</sup> )	•	•
	Stripping with partial or full pull-off	•	•
	Window stripping	•	•
	Extra long stripping and multi stage stripping	•	•
	Jacket stripping of multi conductor cables	•	•
	Outer sheath and inner strands processing	optional	optional
	Flat ribbon stripping & inner strands processing	•	•
	Incise cutting and length slitting	•	•
	Stripping of very thin insulations	•	•
	Multi-step stripping	•	•
	Multi-step stripping of multi-conductor cables + protective cap	•	•
	Metal braid stripping with protection cap	•	•
	Multi-step processing of coax cables	—	•

• Application possible    — Application not possible

# Metzner AM 5000

The performance data – convincing facts:

# Metzner

Performance:		AM 5300	AM 5350
Feeding speed	Infinitely adjustable, in m/min.	0 - 150	0 - 150
Wire size range	Stranded in mm <sup>2</sup>	0,5 - 185 (to 240 mm <sup>2</sup> ) <sup>1</sup>	0,5 - 185 (to 240 mm <sup>2</sup> ) <sup>1</sup>
	Solid in mm <sup>2</sup>	16	16
Max. outer wire diameter	in mm	30	30
Flat ribbon cable	max. width in mm	35	35
Max. pull-off length, full strip	1. side in mm	270 – 450	270 – 450
	2. side in mm	90 – 270	90 – 270
Max. pull-off length, partial str.	1. side in mm	450	450
	2. side in mm	270	270
Max. stripping length	With multi-cutting in mm	5000	5000
Cable length	Min. and max.	10 mm - 1000 m	10 mm - 1000 m

Features:			
Cutting system		Double blade	Double blade & Rotary cut
Feeding system		Belt feed	Belt feed
Quick change cable guide	Left, pivotal	Yes	Yes
	Right	Yes	Yes
Blade-types	Standard	V-blade (HSS)	V-blade (HSS)
	Optional	Radius and die blades, double radius V-blades, flat blades, slitting blades, custom blades, etc.	
Blow-off air jet		Optional	Optional
Interfaces optional		Dereelers, prefeeders, cable stackers & cable coilers, Ink-jets & stamping devices, RS 232, CAN	

Technical data:			
Electrical connection	V / Hz / kW	400 / 50 / 3,5	400 / 50Hz / 4,0
Noise level w/o material	dB(A)	< 65	< 65
Dimensions	(W x H x D) <sup>2)</sup> in mm	930 x 480 x 860	1335 x 480 x 860
Weight	kg	180	255

1) material dependent

2) There is an overall height of 680 mm due to the operator terminal

Note: In case of doubt Metzner is happy to produce samples of the considered cable for you  
Subject to technical modifications.

### Intelligent expansions:

Peripheral equipment from Metzner can expand your cable processing machine into a completely automatic processing line. Thus you save on staff deployment and also increase the efficiency of the machine.

Ask us – for cable dereelers, feeder equipment, material stackers, coilers, marking equipment or software adapted for your specific application.



## www.metzner.com

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