

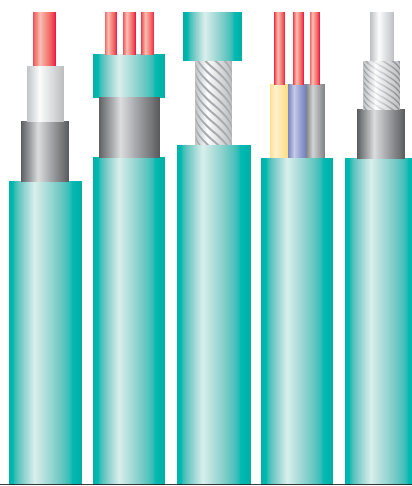
Metzner

For cable processing

The new power generation!



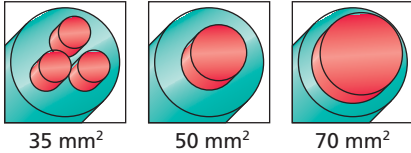
Metzner AM 3000 Series Automatic cable processing machines



Convincing product advantages

■ Unsurpassed cutting power

The Metzner AM 3000 series offers unsurpassed cutting power enabling processing of cables with a cross section of up to 70 mm². This series offers a unique power spectrum for processing cables of up to 15 mm in diameter.



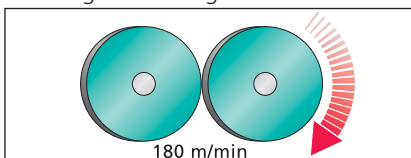
■ Unique pull-off power

All the machines in the AM 3000 series are fitted with newly developed motors which produce an extremely high pull-off power. For these machines the power range is doubled, as every feed unit is equipped with two motors. This enables processing of cables with a cross section of 50 mm² and 70 mm² – an innovation for automatic cable processing machines! This guarantees the reliable processing of many types of cable that can't be processed with other machines of this type.



■ Unusually high feed speed

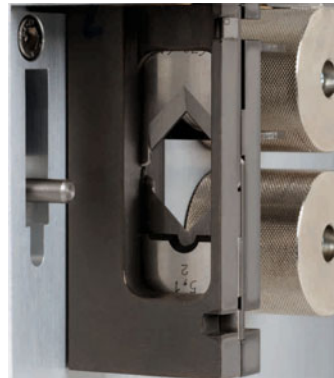
The feed units for the AM 3000 series can achieve an unusually high feed speed of up to 180 m/min, which means increased machine productivity, especially with large cable lengths.



■ "Double blade cutting system" as standard

Every model in the AM 3000 series is fitted as standard with the patented "Double blade cutting system". This system means that different processes can be carried out in the same operating cycle. Examples of the various processing possibilities are as follows:

- V-shaped knife for length cutting and a half circular stripping blade for stripping
- Half circular V-shaped blade for length cutting & stripping, slitting knife for lengthways slitting and intermediate sheath removal
- Simultaneous processing of sheath and internal conductor on multi-core cables.



■ Rotary stripping module

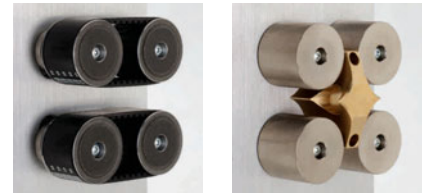
The AM 3550 and AM 3750 are fitted with the rotary stripping module as standard. The rotary stripping method combined with cable clamping guarantees precise radial cuts into the outer cable sheath or shield. The various functions, like, cutting depth or rotation speed can be programmed to suit each type of cable and ensure perfect processing results even with different materials. Rotary cutting is ideal for cables with very thin or particularly tough sheath insulation and for processing coaxial cables.



■ Roller feed and belt feed at no extra cost

With the models in the Metzner AM 3000 series* you can choose between roller feed and belt feed at no extra cost! This means you can choose the best feed system for your specific cables. If your production requirements change, it is also possible to change the feed system using our retrofit kits. Various versions of feed rollers complete the range.

*except AM 3000, only available with roller feed



■ Modern operation

The input of a few simple parameters is all that is required to enable the AM 3000 to provide precise consistent results. The graphic display shows the cable being processed and the selected processing parameters. All these parameters can be freely programmed using the simple menu system: this is a distinct advantage when setting up the machine for demanding insulation materials. All the selected parameters are saved in the processing programme, so that recurring tasks can be set up in a matter of seconds.



■ A wide range of interfaces

Every machine in the AM 3000 series is prepared to accept connection of a full range of peripheral devices. The advantage of this system is that each AM 3000 model can be expanded to suit your specific application.

The new power generation!

Innovative for maximum customer benefit



AM 3550 B

Consistently designed for versatility

Applications of the AM 3000 - series

AM 3300 R
AM 3500 R
AM 3500 B
AM 3700 R
AM 3700 B
AM 3550 R
AM 3550 B
AM 3750 R
AM 3750 B

	AM 3300 R	AM 3500 R	AM 3500 B	AM 3700 R	AM 3700 B	AM 3550 R	AM 3550 B	AM 3750 R	AM 3750 B
Cutting and processing of cable up to 35 mm ² cross section	■	■	■	■	■	■	■	■	■
Cutting and processing of cable up to 50 mm ² cross section	□	■	■	■	■	■	■	■	■
Cutting and processing of cable up to 70 mm ² cross section	□	□	■	■	■	□	■	■	■
Stripping with partial or full pull-off	■	■	■	■	■	■	■	■	■
Window stripping	■	■	■	■	■	■	■	■	■
Extra long stripping and multi stage stripping	■	■	■	■	■	■	■	■	■
Jacket stripping of multi-conductor cables	■	■	■	■	■	■	■	■	■
Jacket stripping of multi-conductor cables and power cords with stripping of inner conductors	□	□	□	□	□	□	□	□	□
Stripping of flat ribbon cables with stripping of inner conductors	■	■	■	■	■	■	■	■	■
Incise cutting and length slitting	■	■	■	■	■	■	■	■	■
Stripping of very thin insulations	■ ¹	■ ¹	■ ¹	■ ¹	■ ²	■ ²	■ ²	■ ²	■ ²
Multi-step stripping	■	■	■	■	■	■	■	■	■
Jacket stripping of multi-conductor cables with stripping of inner conductors + protective cap	■	■	■	■	■	■	■	■	■
Stripping of shielded cables with protective cap	■	■	■	■	■	■	■	■	■
Multi-step processing of coaxial cables	■	■	■	■	■	■	■	■	■

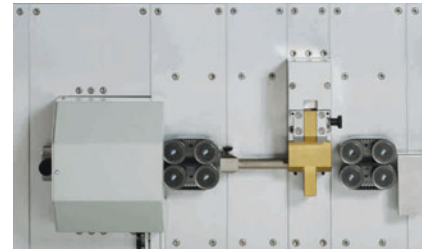
■ Application possible · ■ Applications possible with restrictions · □ Application not possible · □ Optional
¹ possible with adequate die blades, ² possible with rotary stripping unit or adequate die blades

Metzner AM 3000, the modular series



AM 3500 R / AM 3500 B

The high-performance “versatile model” – top for power and speed, suitable for demanding long-term use.



AM 3550 R / AM 3550 B

The superior “universal master” – the combination of power, speed and rotary stripping – all set for the most diverse requirements.



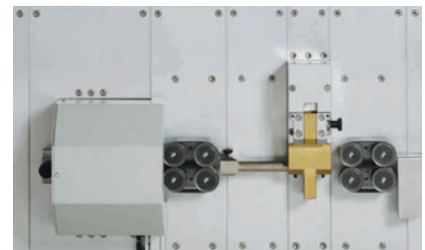
AM 3300 R

The “basic model” for price-conscious decision makers designed for the processing of round and flat cables with a cross section of up to 35 mm².



AM 3700 R / AM 3700 B

The “power house” with a unique power performance in this category. For all round and flat cables with a cross section of up to 70 mm².



AM 3750 R / AM 3750 B

The “top-of-the-series model” for demanding processing. Power for 70 mm² cross section combined with the unique advantages of rotary stripping.

An impressive performance

Performance data:	AM 3300 R	AM 3500 R AM 3500 B	AM 3700 R AM 3700 B	AM 3550 R AM 3550 B	AM 3750 R AM 3750 B
Connections	Electro-pneumatic	Electro-pneumatic	Electro-pneumatic	Electro-pneumatic	Electro-pneumatic
Feeding speed	Infinitely adjustable, in m/min.	0 - 180	0 - 180	0 - 180	0 - 150
Feeding system	Rollers	Rollers or Belt	Rollers or Belt	Rollers or Belt	Rollers or Belt
Cable Length	10 mm - 1000 m	10 mm - 1000 m	10 mm - 1000 m	10 mm - 1000 m	10 mm - 1000 m
Max. Stripping Length	With multi-cutting in mm	5000	5000	5000	5000
Max. Pull-Off Length-Full	1. Side in mm	110	110	110	110
	Strip 2. Side in mm	50	50	50	50
Max. Pull-Off Length-Partial	1. Side in mm	110	110	110	110
	Strip 2. Side in mm	210	210	210	210
Wire Size Range	Stranded in mm ²	0,5 - 35	0,5 - 50	0,5 - 50	0,5 - 70
	Solid in mm ²	6	10	16	16
Max. Outer Wire Diameter	in mm	15	15	15	15
Flat Ribbon Cable	Max. width in mm	20	20	15	15
Quick Change Cable Guide	Left, Pivotal, pneumatic	yes	yes	yes	yes
	Right, relocatable pneumatic	optional	optional	optional	optional
	Blow off air jet	optional	optional	optional	optional
	Cutting System	Double blade	Double blade	Double blade	Double blade & rotary cutting
Blade Types	standard	V-Blades (HSS)	V-Blades (HSS)	V-Blades (HSS)	V-Blades (HSS)
	optional	Radius and die blades, double radius V-blades, flat blades, slitting blades, custom blades, etc.			
	Interfaces Optional	Ink-jets & stamping devises, feeding devises, cable stackers & cable coilers, RS 232, CAN			
Technical Specifications:	AM 3300 R	AM 3500 R AM 3500 B	AM 3700 R AM 3700 B	AM 3550 R AM 3550 B	AM 3750 R AM 3750 B
Power Supply	230V, 50Hz, 1000VA	230V, 50Hz, 1000VA	230V, 50Hz, 1000VA	230V, 50Hz, 1000VA	230V, 50Hz, 1000VA
Compressed-Air Supply	bar	6	6	6	6
Dimensions (L x W x H) ¹⁾ in mm	742 x 480 x 755	742 x 480 x 755	742 x 480 x 755	742 x 480 x 805	742 x 480 x 805
Weight in kg	115	130	130	155	155

¹⁾ With operation panel the total height is 680 mm.

The Metzner AM 3000 - Series is capable of processing also certain cables outside this cable size range. With extremely hard, stringy cables within the indicated cable size range, pre-processing may be difficult or even impossible. In case of doubt we are happy to produce samples of the considered cable for you.

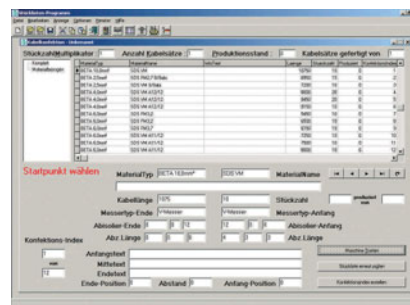
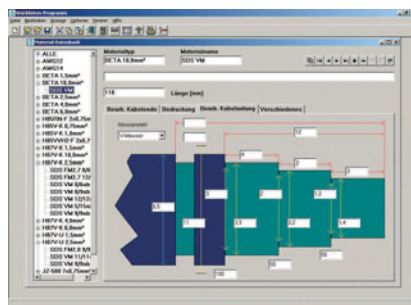
Automation in cable processing

The Metzner "batch list processing" software is the ideal addition to the AM 3000 series when control with PC functionality is required.

For numerous cables with various processing and possibly marking requirements, this software provides an automated production flow with optimised set-up times.

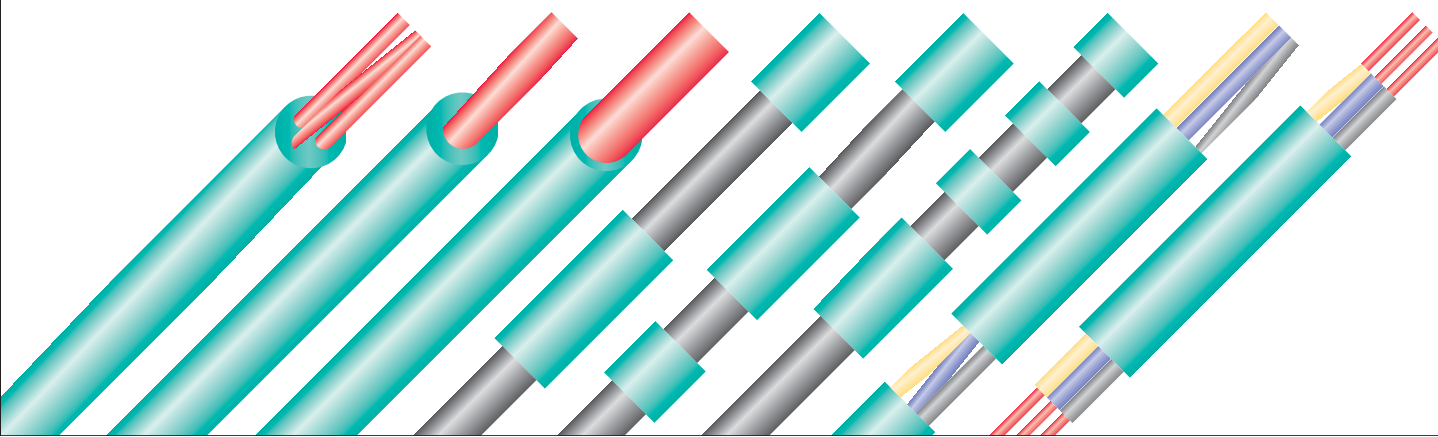
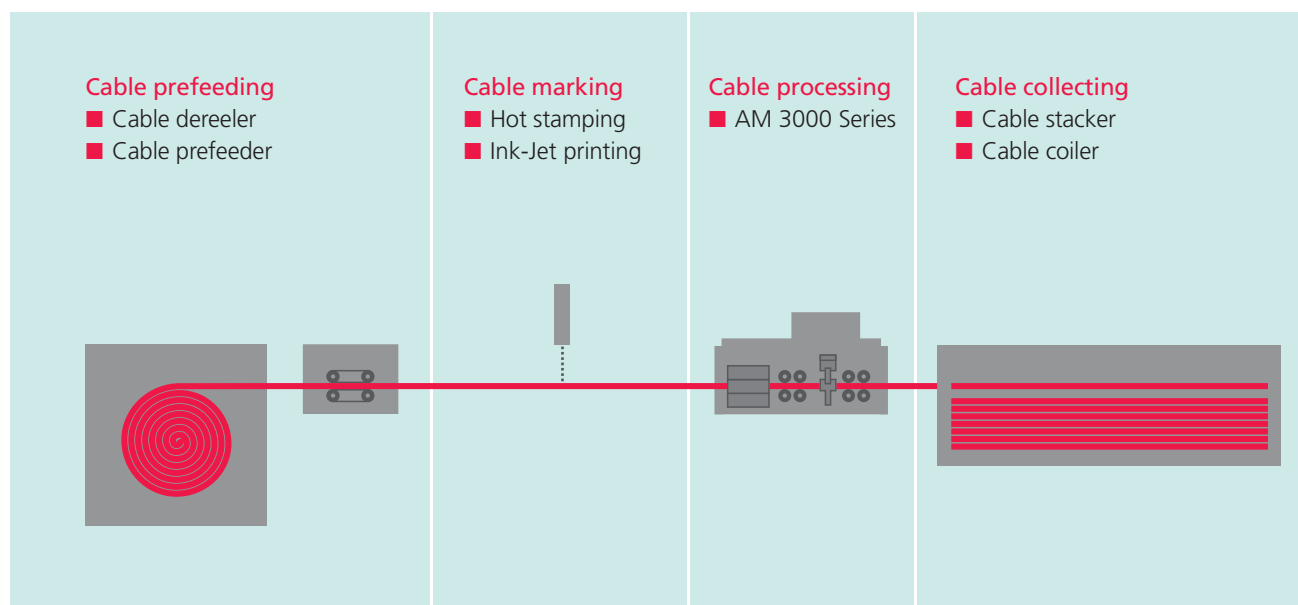
Another advantage of this modern solution are the features which make life easier:

- Even simpler data acquisition via a graphic operator guide
- Storage of all processing parameters in the material library
- Time-saving set-up of new processing by modification of data stored in the material library
- Selection of different printing positions and frequency
- Input or upload of data either off-line or on-line
- Integration into IT networks with optional network card.



A complete solution from one supplier

Cable processing line



Time-saving peripheral devices



Passive cable de-reeler

The basic cable feed solution in combination with a cable pre-feeder machine; for low speeds.

Cable de-reeler

Available in various sizes, with centre sleeve drive or friction wheel drive, with cable reservoir or dancing arm.



Cable pre-feeder

With dancing arm or loop-control; adjustable speed; various versions.



Ink-jet printer / hot stamping

Cable marking with single or repeat printing with either machine and PC control.



Cable stacker

In numerous lengths from 2 m; program-controlled, with transport belt and intermediate sorter pocket.



Cable coiler

Automatic and synchronous winding of long cables into a coil. This appliance can also be used independently.



Pan coiler

Automatic coiling of single and multi-core cables; large scale manufacture with 2 coiling pans.

Metzner

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