

METZNER CUT AND STRIP

CABLE PROCESSING AND STRIPPING MACHINES WITH EXCELLENT CUTTING





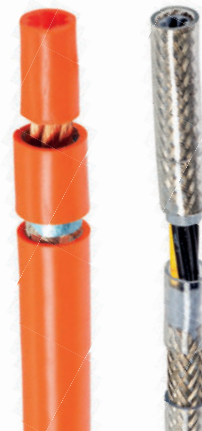
CUT AND STRIP

Metzner is a partner for you with solutions for your requirements. The product spectrum embraces semi-automatic table-top machines as well as fully automatic processing lines or precise rotary processing for co-axial or screened cables. New types of materials and cable designs place high demands on successful quality cable processing. Metzner machines and accessories are formulated specifically to meet this demand. Anywhere where your requirements are not optimally met by standard solutions, Metzner offers you wider individual approaches to achieve your productivity targets or for processes that cannot be achieved with standard machines.

AM 3800 RANGE

CONVINCING CAPACITY AND VERSATILITY

The cable processing machines of the Metzner AM 3000 series stand out by their outstanding cutting and pull-off power and robust, long-life design for continuous industrial use. Metzner offers seven models for this, all with different cutting powers and equipment levels. In addition, their blade technologies vary with different blade contours to suit the requirements of different applications. The patented »Double-Blade Cutting System«, for example, with two knives operating together in one working pass to perform different cutting processes and the additional rotary cut, providing precise circumferential cutting for cables with very thin or tough insulation and for coaxial cables.





AM 3800

For challenging and complex cables up to 70 mm² and a diameter of 20 mm.



AM 3850

Cable processing which stretches the previous limits. With rotary cutting for challenging and complex cables up to 70 mm² and a diameter of 20 mm.

SOFTWARE

To maximise operator-friendliness and to integrate modern industry 4.0 functionalities, Metzner has newly developed the complete software of the AM 3800 range.

MORE DIAMETER

The Metzner AM 3800 range shows what capacity and power cable processing machine can have. With 20 mm cable diameters you experience more possibilities and fewer limits.

ROTARY CUTTING

The newly designed rotary unit is geared especially to the precision requirements of coaxcables and shielded cables..

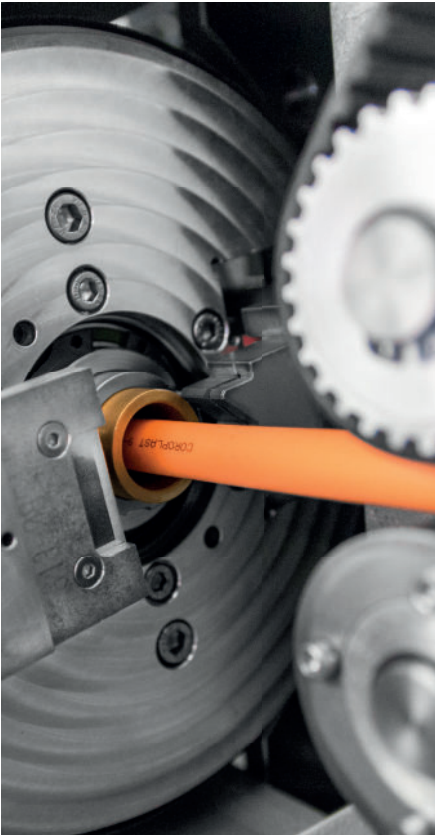
BELT TRANSPORTS

The belt transport system guarantees an effective power transmission and a gentle material processing at the same time due to a longer material contact length

CUTTING MODULE

The Metzner »Double-Blade system« for wider processing applications is included in the basic specification. With superior power for cable sections up to 70 mm² and really precise knife positioning, the AM 3800 range is the epitome of versatility and performance.





METZNER AM 3000 RANGE

THE RELIABLE MODELS



HOHE PRODUKTIVITÄT

The feed units used in the Metzner AM 3000 range provide a transport speed of up to 180 m/min. This increases the productivity of the machines, particularly for large cable lengths. The electronically controlled »Vario-Press« adjusts the contact pressure during transportation and processing, thereby providing maximum protection of the material..



OUTSTANDING CUTTING FORCE

With superior power development for 35 mm² and 50 mm², the Metzner AM 3500 / AM 3700 range offers a unique power spectrum for processing cables up to 15 mm diameter.



FEED SYSTEM

You can choose between roller feed and belt feed at no extra cost for several models in the Metzner AM 3500 / AM 3700 range. This ensures that you have the best feed system for every cable. If your production requirements change, it is also possible to change the feed system using our retrofit kits.



SIMPLE OPERATION

The AM 3500 / AM 3700 series comes with either PC control or PLC control as standard. PC control as standard activates printing devices (e.g. ink-jet printers, thermal transfer printers).



AM 3500 / AM 3700

The versatile Base Model. The top performer in terms of power and speed for cables up to 35 mm². The AM 3700 proves a powerful processing of cables up to 50 mm² and a diameter up to 15 mm.



AM 3550 / AM 3750

These models provide an impressive addition to the features of the basic machines by the special possibilities offered by rotary processing. Ideal for precise and multi-stage processing of many coaxial conductors or multilayer cables.



AM 3550 Semi Rigid

The »Precision Model« for complex and very short multi-layer lengths down to 20 mm.



METZNER AM 5000 RANGE

POWER, PRECISION AND VERSATILITY FOR CABLES UP TO 240 MM²

The Metzner AM 5000 range machines are the flagship models for processing of large cables up to 240 mm² section and 35 mm diameter. In their standard specification, these machines offer the highest level of cutting and pull-off power. All models are equipped with the Metzner »Double-Blade system« as standard for versatile and multi-stage processing tasks. The AM 5850 model has in addition a rotary module for precise all-round cutting when processing screened conductors, for example for E-vehicles.

FEATURES

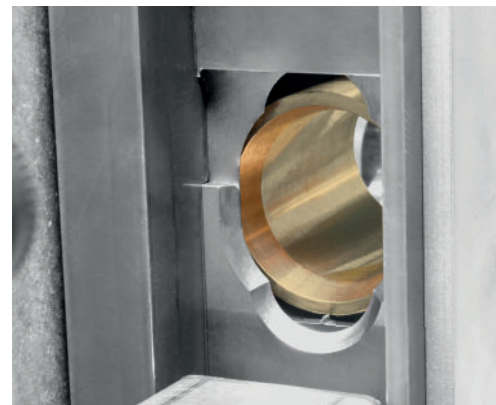
- Automatic cut-to-length and multi-stage stripping
- Patented »Double-Blade system« as standard
- Double system monitoring as standard
- Comprehensive memory capacity for cable processing programs
- Powerful »Heavy-Duty« version for very thick and hard process cables
- Rotary cutting module (AM 5350) for processing shielded cables, hybrid cables, control cables with thin covering and many other applications





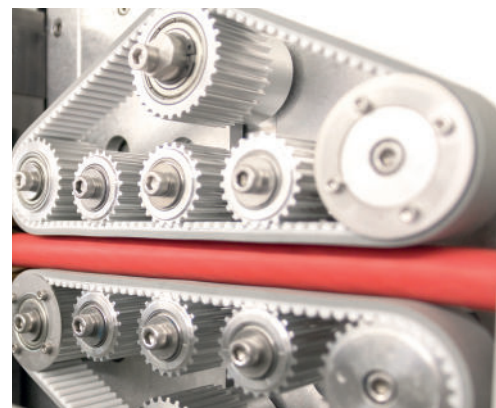
AM 5800

Robust platform for a series of machines with power for 35 mm² or 50 mm² and optionally with or without rotary module. The solution for the most diverse requirements up to 15 mm cable diameter.



AM 5850

These machines combine power and versatility in an outstanding way. Equipped with power for 70 mm² conductor cross-section and 20 mm cable diameter, these machines are the ideal solution for an unusually wide range of applications.



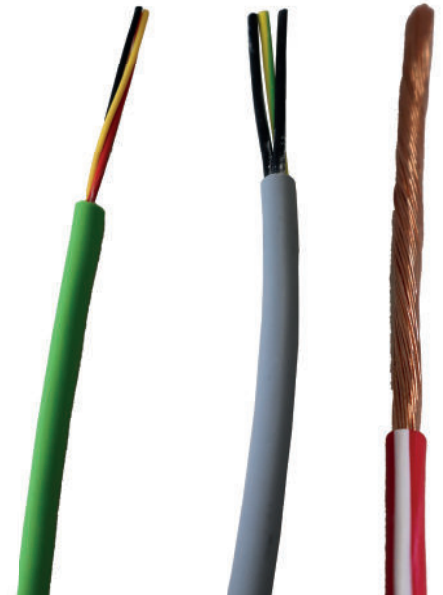
METZNER AM 1000

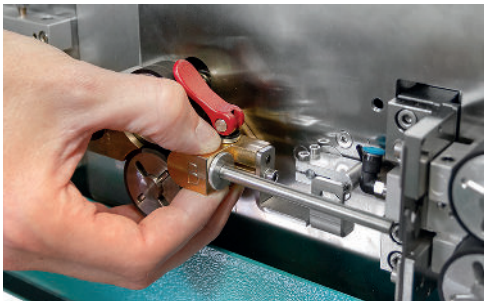
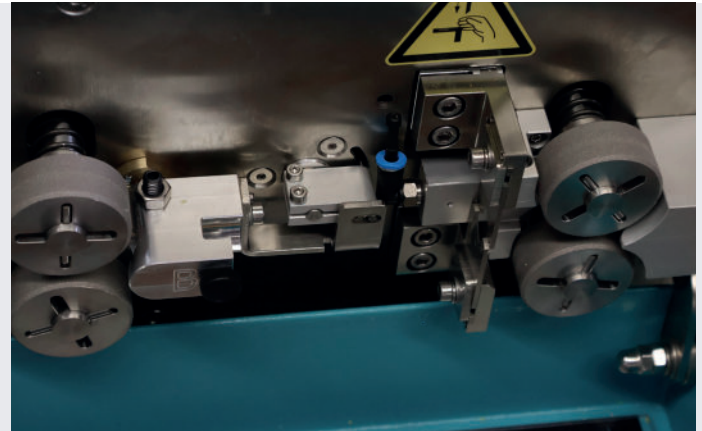
AUTOMATIC CABLE ASSEMBLY MACHINE

The Metzner AM 1000 is a sensation among the tabletop units. The automatic cutting and stripping machine processes cables, strands and wires up to 9 mm diameter and 6 mm² cable cross-section with a special cutting and pull-off force (optionally 10 m²; depending on material). The presettings are conveniently made via the 12" touch panel, where the operator can define all processes. Another special feature is the tool-free change of wear parts and guides. This means that the AM 1000 can be changed over in just one minute. With the extensive interface preparation, the machine can be optimally expanded with peripheral devices and adapts to all customer requirements.

FEATURES

- Operation via retractable 12" touch screen on the top
- For cables, wires and strands up 9 mm diameter and 6mm² cross section
- Change over in just 1 min. thanks to the tool-free change of wear parts and guides
- Also for cutting and stripping of flat ribbon cables and teflon cables
- Easy to transport due its compact design and low weight of just 28 kg















AM 1000

Tool-free Change-over in just 1 minute

Most comfortable and reliable operation due to best readable 12" touch screen.



PROCESSING POSSIBILITIES FOR THE AM-RANGE

		AM 1000	AM 3500	AM 3700	AM 3800	AM 3550	AM 3550 SR	AM 3750	AM 3850	AM 5300	AM 5300 HD	AM 5350
	Cut-to-length	●	●	●	●	●	●	●	●	●	●	●
	Stripping with partial and full pull-off	●	●	●	●	●	●	●	●	●	●	●
	Window stripping	-	●	●	●	●	-	●	●	●	●	●
	Extremely long pull-off in multiple stages	-	●	●	●	●	-	●	●	●	●	●
	Jacket stripping of multi conductor cables	●	●	●	●	●	●	●	●	●	●	●
	Flat ribbon stripping and inner strands processing ¹	-	○	○	○	○	-	○	○	○	○	○
	Incise cutting and length slitting	-	●	●	●	●	-	●	●	●	●	●
	Stripping of very thin insulations	●	●	●	●	●	●	●	●	●	●	●
	Metal braid stripping with protection cap	-	●	●	●	●	●	●	●	●	●	●
	Multi-step stripping	-	●	●	●	●	●	●	●	●	●	●
	Multi-step processing of coaxial cables	-	-	-	-	●	●	●	●	-	-	●

¹ materialabhängig | depending on material | ● = standard, ○ = optional, - = not available | Specifications are subject to change without notice.

BLADE TYPES

FOR THE AM-RANGE



V-BLADE

For cable cut-to-length



RADIUS-V-BLADE

For cut-to-length and stripping



DOUBLE RADIUS-V-BLADE

For cutting through very thick cables



RADIUS-BLADE

For precise cutting into the cable isolation



SLITTING BLADE

For lengthways slitting of the insulation



FLAT BLADE

For processing flat cables



CUSTOMIZED PROFILE BLADE

For processing very thin wire and other demanding processes



COMBINATION OF 2 BLADE TYPES

Patented »Double -Blade system«

The blades shown are some examples. For every type of cable, there are many different blades, which are matched to your specific requirements.

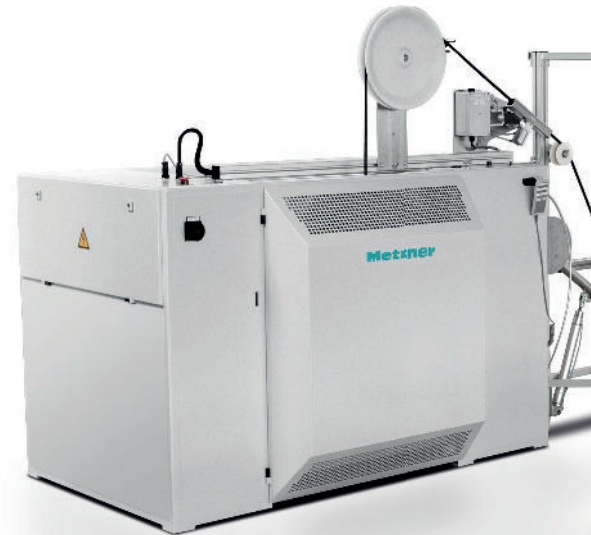
METZNER PROCESING LINES

100 % COMPATIBLE; FROM THE SAME SOURCE

In addition to high-quality machines for cable processing, Metzner also offers fast, material-friendly and economically sensible peripheral devices that expand cable processing machines into automatic processing lines.

PERIPHERAL EQUIPMENT

- Unwinding and feeding
- Printing and Marking
- Stacking and Coiling
- Roughing
- Software Solutions



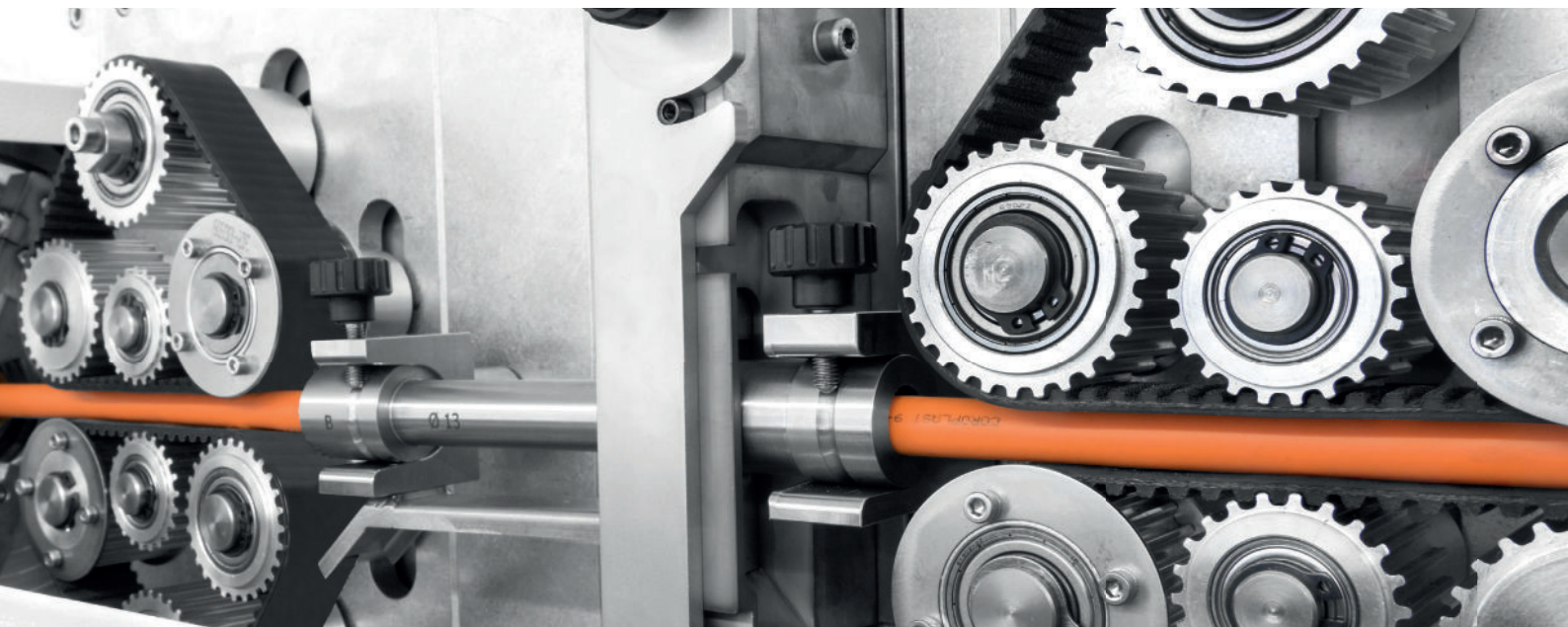


TECHNICAL DATA

Model	AM 3800	AM 3850	AM 3500	AM 3700	AM 3550
Cable outer diameter max.	20 mm 0.79"	20 mm 0.79"	15 mm 0.59"	15 mm 0.59"	15 mm 0.59"
Cable length	75 mm - 999 m 2.95" - 3278 ft	75 mm - 999 m 2.95" - 3278 ft	75 mm - 999 m 2.95" - 3278 ft	75 mm - 999 m 2.95" - 3278 ft	75 mm - 999 m 2.95" - 3278 ft
Wire size range stranded / solid ¹	0.5 - 70 mm ² / 0.5 - 16 mm ²	0.5 - 70 mm ² / 0.5 - 16 mm ²	0.5 - 35 mm ² / 0.5 - 6 mm ²	0.5 - 50 mm ² / 0.5 - 10 mm ²	0.5 - 35 mm ² / 0.5 - 6 mm ²
Feeding speed max. ²	180 MPM	180 MPM	180 MPM	180 MPM	180 MPM
Pull-off length max. 1st side ³ / 2nd side	210 mm / 140 mm 8" / 6"	210 mm / 140 mm 8" / 6"	210 mm / 140 mm 8" / 6"	210 mm / 140 mm 8" / 6"	210 mm / 140 mm 8" / 6"
Electrical connection	230 V; 50/60 Hz; 2 A	230 V; 50/60 Hz; 2 A	230 V; 50/60 Hz; 1.8 A	230 V; 50/60 Hz; 1.8 A	230 V; 50/60 Hz; 2 A
Compressed air connection	6 bar 87 PSI	6 bar 87 PSI	6 bar 87 PSI	6 bar 87 PSI	6 bar 87 PSI
Dimensions max. (LxBxH) in mm " ⁴	691 x 880 x 490 27 x 34 x 19	928 x 880 x 490 37 x 35 x 19	762 x 705 x 500 30 x 28 x 20	765 x 705 x 500 30 x 28 x 20	765 x 705 x 500 30 x 28 x 20

¹ depending on material | ² infinitely adjustable | ³ reduced speed due to extrem precision | ⁴ without monitor

AM 3550 Semi-Rigid	AM 3750	AM 5800	AM 5800 HD	AM 5850	AM 1000
8 mm 0.31"	15 mm 0.59"	35 mm 1.38"	35 mm 1.38"	30 mm 1.18"	10 mm 0.40"
20 mm - 1000 mm 0.79" - 39"	75 mm - 999 m 2.95" - 3278 ft	100 mm - 999 m 3.93" - 3278 ft	100 mm - 999 m 3.93" - 3278 ft	100 mm - 999 m 3.93" - 3278 ft	35 mm - 999 m 1.38" - 3278 ft
0.5 mm ² / 0.5 - 10 mm ²	0.5 - 50 mm ² / 0.5 - 10 mm ²	1.5 - 185 mm ² / 1.5 - 16 mm ²	1.5 - 240 mm ² / 1.5 - 16 mm ²	1.5 - 185 mm ² / 1.5 - 16 mm ²	0.5 - 9 mm ² / 0.5 - 6 mm ²
180 MPM	180 MPM	180 MPM	180 MPM	180 MPM	220 MPM
40 mm / 40 mm 2" / 2"	210 mm / 110 mm 8" / 4"	270 - 450 mm / 90 - 270 mm 11 - 17" / 4 - 11"	270 - 450 mm / 90 - 270 mm 11 - 17" / 4 - 11"	270 - 450 mm / 90 - 270 mm 11 - 17" / 4 - 11"	120 mm / 30 mm 4.72" / 1.18"
230 V; 50/60 Hz; 2.1 A	230 V; 50/60 Hz; 2 A	3 ~ 400 V; 50/60 Hz; 2.6 A	3 ~ 400 V; 50/60 Hz; 2.6 A	3 ~ 400 V; 50/60 Hz; 2.8 A	230 V; 50/60 Hz
6 bar 87 PSI	6 bar 87 PSI	–	–	–	6 bar 87 PSI
835 x 710 x 500 33 x 28 x 20	765 x 705 x 500 mm 30 x 28 x 20	960 x 885 x 530 37 x 34 x 21	960 x 885 x 530 mm 37 x 34 x 21	1335 x 885 x 530 mm 52 x 34 x 21	390 x 600 x 370 15 x 24 x 15



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