



# PERFECTION IN EVERY RESPECT

**HIGH-PERFORMANCE  
WIRE PROCESSING MACHINES  
FOR BEST RESULTS**

# WE SUPPLY CUSTOMIZED AUTOMATION SOLUTIONS FOR MAXIMUM EFFICIENCY

Metzner uses state-of-the-art technologies to efficiently process a particularly wide range of cables. Our machine portfolio impresses with its **exceptional versatility** and processes **cable cross-sections ranging from the finest 0.14 mm<sup>2</sup> up to massive 400 mm<sup>2</sup> with the utmost precision and care.**

Our machines enable the exact and effortless processing of cable diameters **between 0.5 mm and 40 mm – including all intermediate sizes.** This unique flexibility optimizes your production processes and guarantees maximum efficiency and cost-effectiveness when processing a wide variety of cable types.

**Metzner cable processing machines offer maximum flexibility and can be seamlessly expanded into fully automated production lines, increasing the degree of automation and saving additional personnel costs.**

Our **feeding and unwinding systems** ensure the gentle transport of the cables to the cutting and stripping machines. Further processing is then carried out automatically by cable feeders or winding machines – without any manual intervention.

We also provide a wide range of marking technologies for individual customer requirements, including inkjet printing, laser printing, thermal transfer printing as well as labeling and hot stamping systems. These solutions enable **precise cable labeling**, according to your specific requirements.

With the combined product range of Metzner, Ramatech, and Ulmer, we offer you a comprehensive and **powerful range of peripheral devices** specifically tailored to the requirements of efficient and cost-saving wire processing.

In addition, Metzner is the **leading supplier in the field of wire processing for customized special systems according to specifications or tailor-made machine modifications** to meet even the most demanding requirements of our customers.



# AM 1000

**BASIC MODEL FOR CABLES  
UP TO 10 mm DIAMETER  
AND UP TO 6 mm<sup>2</sup> CROSS-SECTION**



## METZNER AM 1000

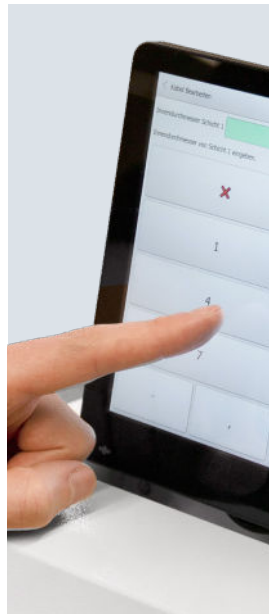
It is compact, but fully equipped for professional production requirements, including versatile processing options, interfaces for peripheral devices, and standard software.

### Small and yet really big

The AM 1000 cutting and stripping machine impresses with its compact dimensions and extensive processing options. With its robust, powerful cutting module, it successfully processes cables up to 10 mm in diameter and an 6 mm<sup>2</sup> cross-section (up to 10 mm<sup>2</sup> depending on the material). With feed rollers made of steel, rubber or a corundum coating, it adapts to a wide range of insulation materials and processing requirements. The AM 1000 offers interfaces for controlling unwinding and feeding devices, as well as printing devices and can be quickly expanded into a complete production line.

### Unique software features

For safe and convenient operation, the AM 1000 is equipped with a 12.7" touchscreen and intuitive software that provides a graphical display of the settings. It supports the standard processing of cable lists, the integrated control of printing devices and has an MES interface as well as data import/export in Excel format.



## YOUR BENEFITS AT A GLANCE

- **Performance that impresses**  
– for cable diameter and cable cross-section
- **Outstanding user-friendliness**  
– The large screen enables convenient and simple operation
- **Complete software solution**  
– No need for additional software packages or interface modules
- **Quick, tool-free changeover**  
of cable guides and feed rollers
- **Flexibly expandable** to an automated production line



MODEL	AM 1000
Cable outer diameter	0.5 - 10 mm   0.02" - 0.39"
Cable length	35 mm - 999 m   1.38" - 3,278'
Cable cross-section - stranded conductor	0.14 mm <sup>2</sup> - 6 mm <sup>2</sup>   26 AWG - 10 AWG
Feeding speed max. <sup>1</sup>	220 m/min   722 ft/min
Pull-off length 1st side <sup>2</sup> / 2nd side <sup>3</sup>	40-120 mm   0-30 mm / 1.57" - 4.72" / 0" - 1.18"
Electrical connection	230 V, 50/60 Hz
Compressed air connection	6 bar   87 PSI
Dimensions (L x W x H) <sup>3</sup>	390 mm x 600 mm x 370 mm   15" x 24" x 15"

<sup>1</sup> infinitely adjustable | <sup>2</sup> reduced speed due to extreme precision | <sup>3</sup> without screen



# AM 2000 SERIES

**VERSATILE AND POWERFUL  
FOR CABLES UP TO 15 MM DIAMETER  
AND 35 MM<sup>2</sup> CROSS-SECTION**



## METZNER AM 2800

It features a double cutting head as standard and a spring-loaded belt feed for versatile and automatic compensation of material fluctuations.



## METZNER AM 2850

The AM 2850 combines all the advantages of the AM 2800 with additional processing options from a rotary module for coaxial cable and multilayer processing.

Two models are available for the launch of the AM 2000 series, each with a compelling benefit profile.

### Versatility at no extra cost

The machines in the AM 2000 series are equipped with the Metzner double knife cutting head as standard. Two pairs of knives offer a wide range of processing options that are not possible with only one pair of blades. Cutting, stripping, and slitting can be done in a single operation, or the combination of V-blades for cutting to length and radius blades for a precise all-around cut in the insulation can be used.

### With extra power as standard

Metzner machines are often characterized by increased performance, enabling a wider range of applications and greater investment security. The AM 2000 series effortlessly processes cable cross sections up to 35 mm<sup>2</sup>.

### Newly developed rotary module

The AM 2000 series offers state-of-the-art rotary processing. The result: highly accurate and repeatable processing of multilayer and complex cables, such as coaxial cables.

### Software included - everything you need

The AM 2000 series software follows the „All-Inclusive Principle.“ Regardless of whether the machine is extended with printers or peripherals, whether complex wire lists are to be processed automatically, or if an MES connection is required, the AM 2000 series is equipped as standard and at no extra cost.



## YOUR BENEFITS AT A GLANCE

- The standard **double-blade cutting head** processes cables up to 15 mm diameter and 35 mm<sup>2</sup> cross-section and offers **optimum performance** and **versatile application possibilities** – at no extra cost
- **Completely newly developed rotary module (AM 2850)** – for multi-layer cable processing
- **Magnetic guiding set** for fast tool free replacement
- **Floating belt and feed modules with long effective length and high torque** – the perfect combination of smooth power transmission and high pull-off force
- **With spring-mounted belt feeds as standard**, it ensures optimum precision through automatic compensation for belt wear and material fluctuations.



MODEL	AM 2800	AM 2850
Cable outer diameter	0.5 mm - 15 mm   0.02" - 0.59"	0.5 mm - 15 mm   0.02" - 0.59"
Cable length	75 mm - 999 m   1.38" - 3,278"	75 mm - 999 m   1.38" - 3,278"
Cable cross-section – stranded conductor	0.5 mm <sup>2</sup> - 35 mm <sup>2</sup>   21 AWG - 2 AWG	0.5 mm <sup>2</sup> - 35 mm <sup>2</sup>   21 AWG - 2 AWG
Feeding speed max. <sup>1</sup>	180 m/min   591 ft/min	180 m/min   591 ft/min
Pull-off length 1st side <sup>2</sup> / 2nd side <sup>3</sup>	0 mm - 180 mm   0" - 7" / 0 mm - 125 mm   0" - 5"	0 mm - 180 mm   0" - 7" / 0 mm - 125 mm   0" - 5"
Electrical connection	230 V, 50/60 Hz, 2 A	230 V, 50/60 Hz, 2 A
Compressed air connection	6 bar   87 PSI	6 bar   87 PSI
Dimensions (L x W x H) <sup>3</sup>	710 mm x 920 mm x 350 mm   28" x 36" x 14"	960 mm x 920 mm x 350 mm   38" x 36" x 14"

<sup>1</sup> infinitely adjustable | <sup>2</sup> reduced speed due to extreme precision | <sup>3</sup> without screen

# AM 3000 SERIES

**BEST CHOICE FOR CABLES  
UP TO MAX. 20 mm DIAMETER  
AND 70 mm<sup>2</sup> CROSS-SECTION**



## **METZNER AM 3800**

With its standard double-blade cutting system, it opens up numerous processing options and is the ideal solution for demanding and complex wire processing.



## **METZNER AM 3850**

Cable processing that sets new standards. It combines the strengths of the AM 3800 with a rotary cutting head, which offers additional versatility and multi-stage wire processing.

## **THE METZNER AM 3000 SERIES IMPRESSES WITH MAXIMUM PERFORMANCE AND VERSATILITY FOR A WIDE RANGE OF CABLE APPLICATIONS**

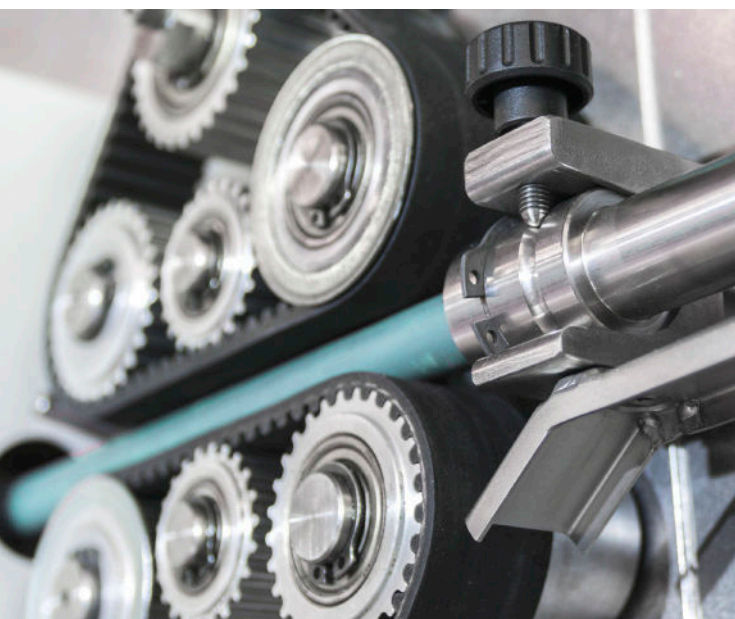
The machines in this series offer the ideal solution for demanding cable applications by combining advanced technology with high flexibility and performance.

### **Double blade cutting system as standard**

All models in the Metzner AM 3000 series are equipped with our patented double-blade cutting system as standard, which opens up additional processing options. The combination of two pairs of knives, such as a V-knife and radius knife or V-knife, radius knife, and slitting knife, offers processing options that cannot be realized with a conventional single cutter head.

### **Maximum performance when cutting to length and stripping – robust and durable**

The Metzner AM 3000 machines are the most powerful in their category and deliver an impressive cutting force for cable cross-sections up to 70 mm<sup>2</sup>. Thanks to the extra-long belt drives, the motor power is transferred efficiently and gently to the cable, ensuring precise cuts. When designing the machines, our engineers deliberately made key components more robust to ensure reliability and a long service life.



## YOUR BENEFITS AT A GLANCE

- **Standard double-blade cutting system**  
for more processing options
- **Power for 70 mm<sup>2</sup>** – no additional options available at extra cost
- **Tool-free change** of knives and guides
- Prepared for all types of **peripheral devices for pre- and post-processing**, turning a single machine into an automated line
- Prepared for **MES or IT network integration as standard**
- **Interface preparation** for inkjet, laser, and label printers



MODEL	AM 3800	AM 3850
Cable outer diameter	0.5 mm - 20 mm   0.02" - 0.79"	0.5 mm - 20 mm   0.02" - 0.79"
Cable length	0 mm - 999 m   1.38" - 3,278"	0 mm - 999 m   1.38" - 3,278"
Cable cross-section – stranded conductor	0.5 mm <sup>2</sup> - 70 mm <sup>2</sup>   21 AWG - 00 AWG	0.5 mm <sup>2</sup> - 70 mm <sup>2</sup>   21 AWG - 00 AWG
Feeding speed max. <sup>1</sup>	180 m/min   591 ft/min	180 m/min   591 ft/min
Pull-off length 1st side <sup>2</sup> / 2nd side <sup>3</sup>	210 mm   8" / 110 mm   4"	210 mm   8" / 110 mm   4"
Electrical connection	230 V, 50/60 Hz, 2 A	230 V, 50/60 Hz, 2 A
Compressed air connection	6 bar   87 PSI	6 bar   87 PSI
Dimensions (L x W x H) <sup>3</sup>	691 mm x 880 mm x 490 mm   27" x 34" x 22"	928 mm x 880 mm x 490 mm   37" x 34" x 22"

<sup>1</sup> infinitely adjustable | <sup>2</sup> reduced speed due to extreme precision | <sup>3</sup> without screen



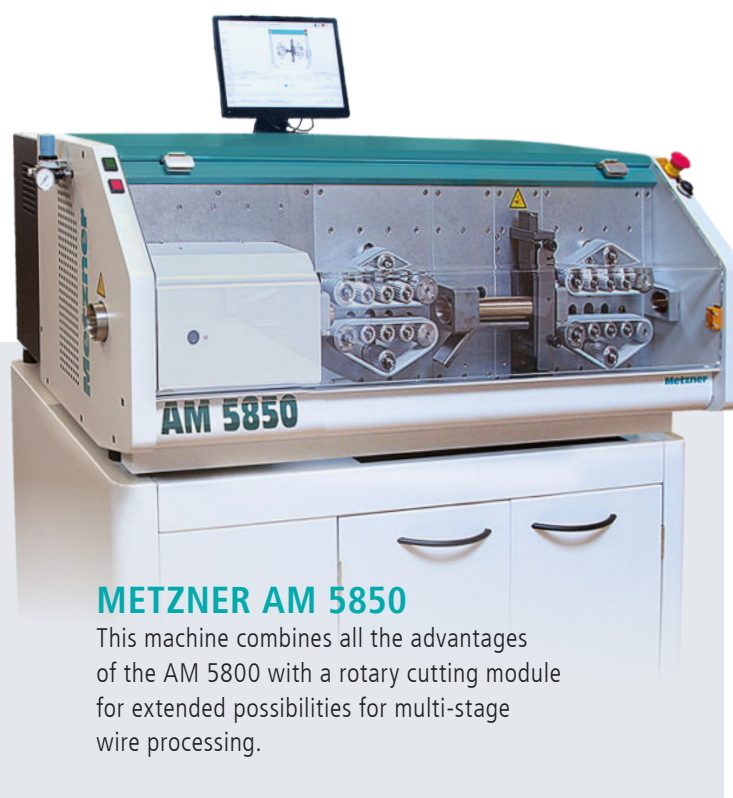
# AM 5000 SERIES

**POWER PACKS FOR CABLES  
UP TO MAX. 35 mm DIAMETER  
AND 185 mm<sup>2</sup> CROSS-SECTION**



## **METZNER AM 5800**

offers outstanding repeat accuracy with its extra-long conveyor belts. Its double-blade cutting system enables several processing steps to be carried out simultaneously.



## **METZNER AM 5850**

This machine combines all the advantages of the AM 5800 with a rotary cutting module for extended possibilities for multi-stage wire processing.

## **PARTICULARLY POWERFUL MACHINES WITH EXCELLENT REPEAT ACCURACY AND MULTIPLE MACHINING IN ONE STEP**

The Metzner AM 5000 series is specially designed for single and multi-core, as well as shielded cables with a diameter of up to 35 mm and a cross-section of up to 185 mm<sup>2</sup>. These models offer unique advantages:

### **Outstanding cutting force**

The machines in the AM 5000 series offer an impressive cutting force of 185 mm<sup>2</sup> as standard – without any additional “booster” unit. Even when processing smaller cross-sections, you can be sure that the machine is ideally equipped for larger challenges and provides sufficient cutting force at all times.

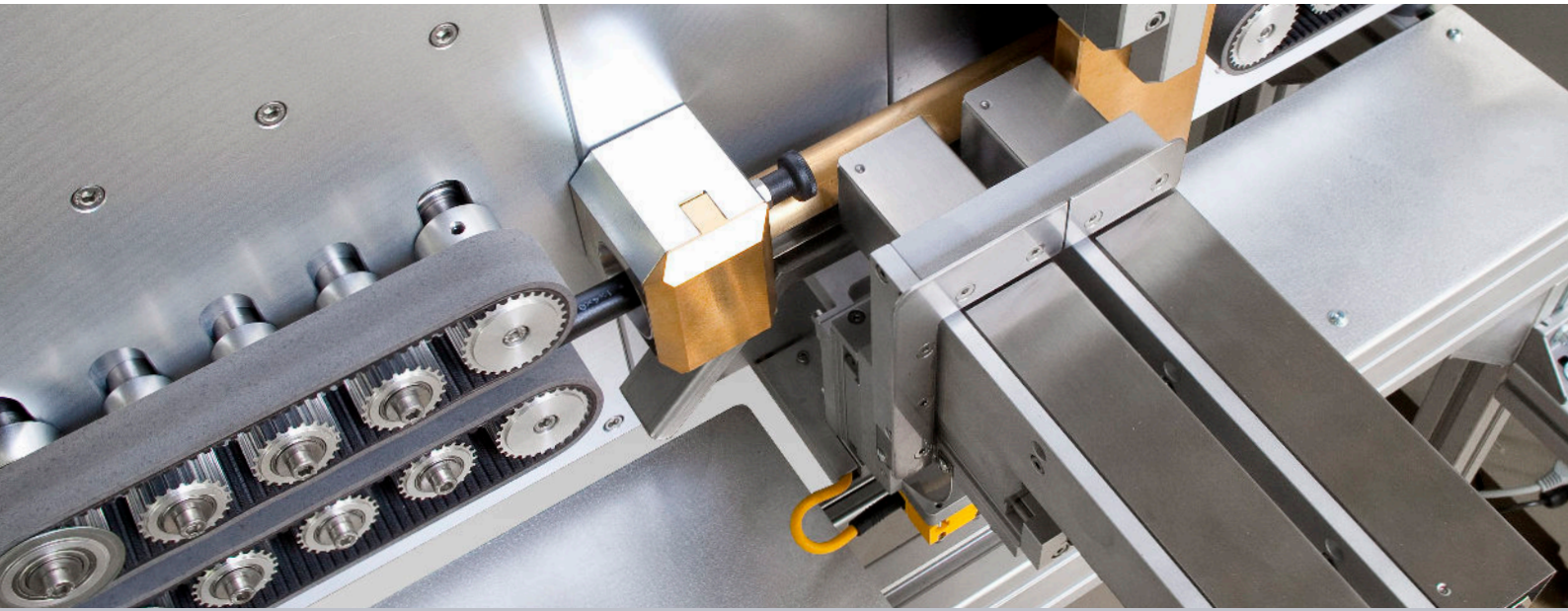
### **Double-blade cutting system**

All models in the AM 5000 series are equipped with our double-blade cutting system as standard. This ensures maximum versatility and efficiency in a continuous, automated workflow.

### **Extra long, smooth-running belt feed unit**

The extra-long belt feed of the AM 5000 series ensures that the machine's immense force is evenly distributed across the cable. This reliably prevents the cable from being compressed, even when the cable is pulled out strongly.





## YOUR BENEFITS AT A GLANCE

- Outstanding power** for 185 mm<sup>2</sup> cross-sections; a power 'booster' is not necessary
- Precise multi-stage stripping and more flexibility** thanks to the standard double-blade cutting system
- Extensive software equipment installed as standard**, no additional packages required
- Avoid waste during inkjet printing** by positioning of 1 or 2 printer heads directly before or after the cutting head
- Integrated base for stability and storage:**  
 The standard white cabinet enhances stability and provides protected space for tools, guides, and accessories



MODEL	AM 5800	AM 5850
Cable outer diameter	2.5 mm - 35 mm   0.1" - 1.38"	2.5 mm - 35 mm   0.1" - 1.18"
Cable length	20 mm - 999 m   0.79" - 3,278"	20 mm - 999 m   0.79" - 3,278"
Cable cross-section – stranded conductor	1.5 mm <sup>2</sup> - 185 mm <sup>2</sup>   16 AWG - 350 MCM	1.5 mm <sup>2</sup> - 185 mm <sup>2</sup>   16 AWG - 350 MCM
Feeding speed max. <sup>1</sup>	180 m/min   591 ft/min	180 m/min   591 ft/min
Pull-off length 1st side <sup>2</sup>    2nd side <sup>3</sup>	400 mm   15" / 260 mm   10"	400 mm   15" / 260 mm   10"
Electrical connection	3~400 V, 50/60 Hz, 2.6 A	3~400 V, 50/60 Hz, 2.6 A
Compressed air connection	–	6 bar   87 PSI
Dimensions (L x W x H) <sup>3</sup>	1,010 mm x 970 mm x 1,685 mm   36" x 14" x 66"	1,376 mm x 970 mm x 1,685 mm   36" x 14" x 66"

<sup>1</sup> infinitely adjustable | <sup>2</sup> reduced speed due to extreme precision | <sup>3</sup> without screen

# SPEEDY

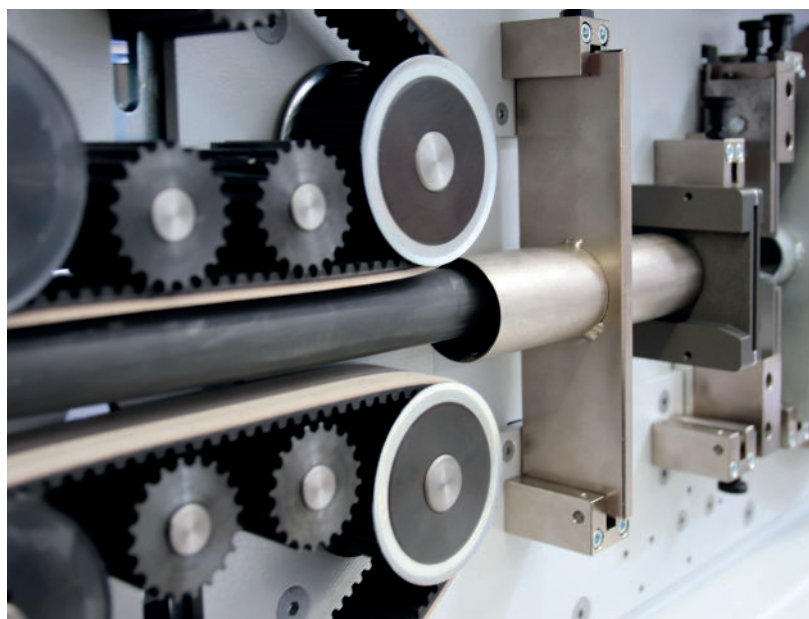
PERFECT FOR CABLES  
UP TO MAX. 40 mm DIAMETER  
AND 400 mm<sup>2</sup> CROSS-SECTION



## SPEEDY 40 & SPEEDY 40 H

Designed for particularly large cable diameters and cable cross-sections, with outstanding power development.

The Speedy 40 is a unique machine that is equipped with particularly powerful motors and effortlessly cuts cables with a cross-section of up to 240 mm<sup>2</sup>. With an optional hydraulic unit, it even cuts cables up to 400 mm<sup>2</sup> with ease. Thanks to the user-friendly software, you benefit from intuitive operation and flexible job prioritization, which optimizes and increases your production processes.



## YOUR BENEFITS AT A GLANCE

- Power for the **largest cable cross-sections**
- **Gentle cable transport** thanks to particularly long transport modules
- **Self-explanatory software** with integrated user guidance
- **No cable waste** due to the inkjet print head at the cutting unit
- Simultaneous **double-sided labeling**



MODEL	SPEEDY 40	SPEEDY 40H
Cable outer diameter	3 - 40 mm	3 - 40 mm
Cable length	220 mm up to 1000 m	220 mm up to 1000 m
Cable cross-section – stranded conductor	up to 400 mm <sup>2</sup>	up to 400 mm <sup>2</sup>
Stripping lengths	Beginning and ending ~ 10mm up to 999 mm	Beginning and ending ~ 10mm up to 999 mm
Pull-off lengths	Adjustable	Adjustable
Cable speed	0.1 - 2.5 m/s, programmable	0.1 - 2.5 m/s, programmable
Power supply	3 x 400 VAC + N / 25 AT	3 x 400 VAC + N / 25 AT
Compressed air connection	6 bar	6 bar
Dimensionen (L x W x H)	1350 x 900 x 1650 mm	1350 x 900 x 1650 mm

# EXPANDABLE. FLEXIBLE. EFFICIENT.

## EVERYTHING FROM A SINGLE SOURCE FOR YOUR FULLY INTEGRATED CABLE PROCESSING

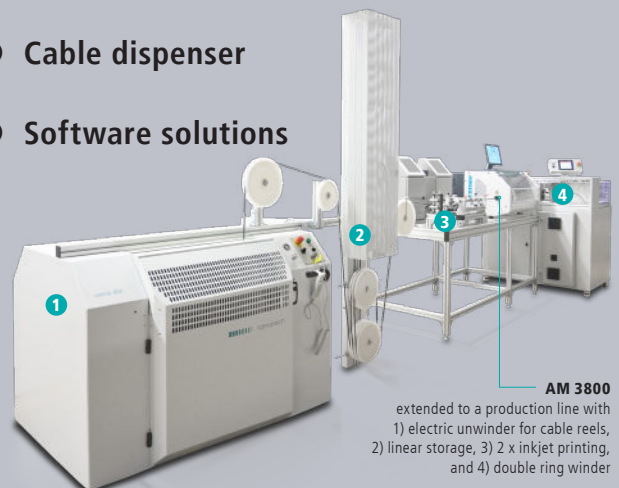
Expand your production line easily and seamlessly with 100% compatible systems by Metzner.

We offer you fully networked systems for every process step in wire processing. Our machines for the automated cutting and stripping of cables originate from the Metzner Group, as well as our pre- and postprocessing equipment, such as feeding units, unwinders, coilers, and depositing equipment. Thanks to this standardized origin, all components are perfectly matched to each other and can be easily combined to form a fully automated production line.

This well-thought-out complete solution offers you maximum flexibility, increases efficiency, minimizes downtime, and guarantees the highest level of production safety.

### PERIPHERAL DEVICES
















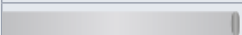

- Cable feeders
- Marking/printing devices
- Cable rewinder
- Cable dispenser
- Software solutions







PERFORMANCE OVERVIEW  
OF THE AM SERIES

		AM 1000	AM 2800	AM 2850	AM 3800	AM 3850	AM 5800	AM 5850
	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	●	●	●	●	●	●	●
	Inner conductor stripping	–	○	○	○	○	–	–
	Flat ribbon stripping and inner strands processing <sup>1</sup>	○	●	●	●	●	●	●
	Teflon cable stripping	●	●	●	●	●	●	●
	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	–	–	●	–	●	–	●
	Marking and printing	●	●	●	●	●	●	●
	Cutting wire	●	●	●	●	●	●	●
	Max. diameter in mm   AWG	10	15	15	20	20	35	35
	Max. cross-section in mm <sup>2</sup>	6	35	35	70	70	185	185

1) depending on material | ● standard, ○ optional, – not available

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