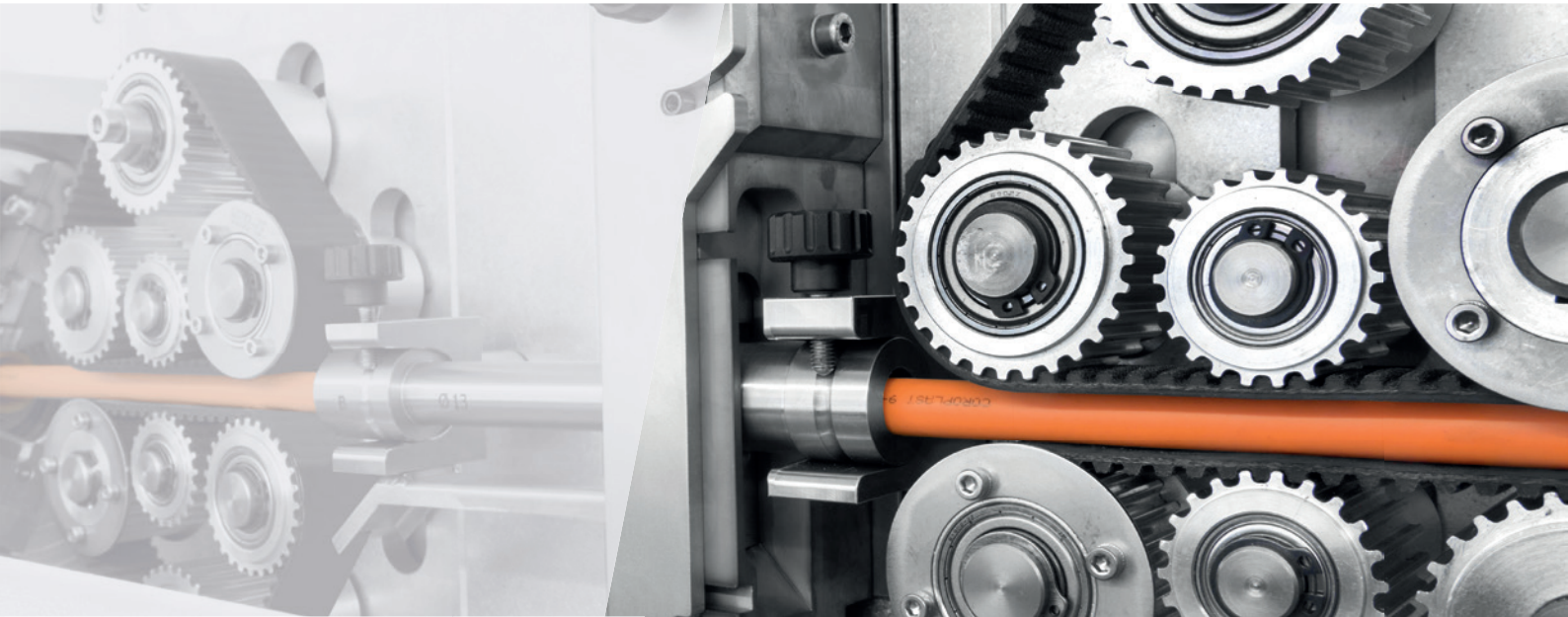
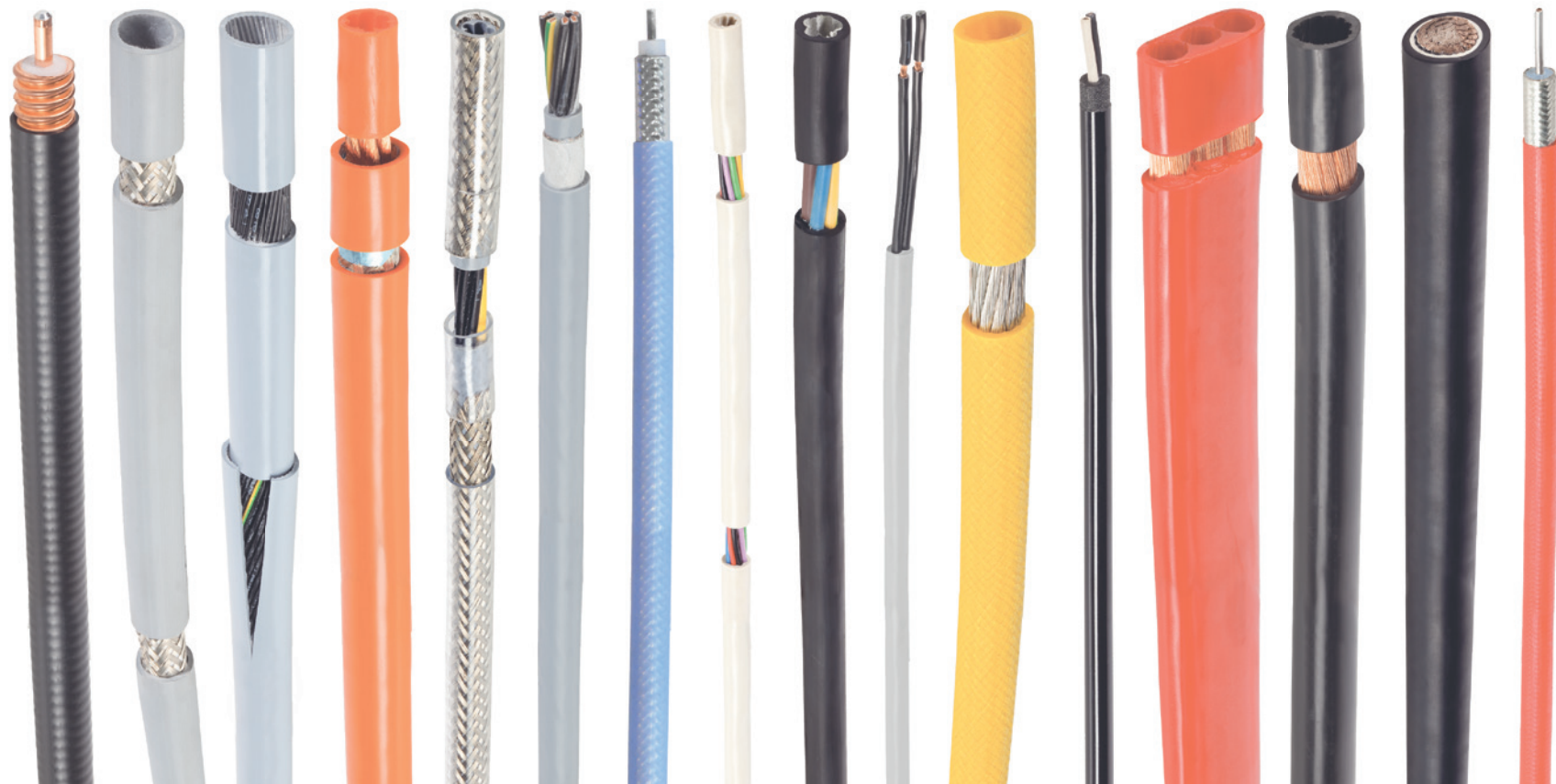




METZNER CUT AND STRIP

CABLE PROCESSING AND STRIPPING MACHINES WITH EXCELLENT CUTTING



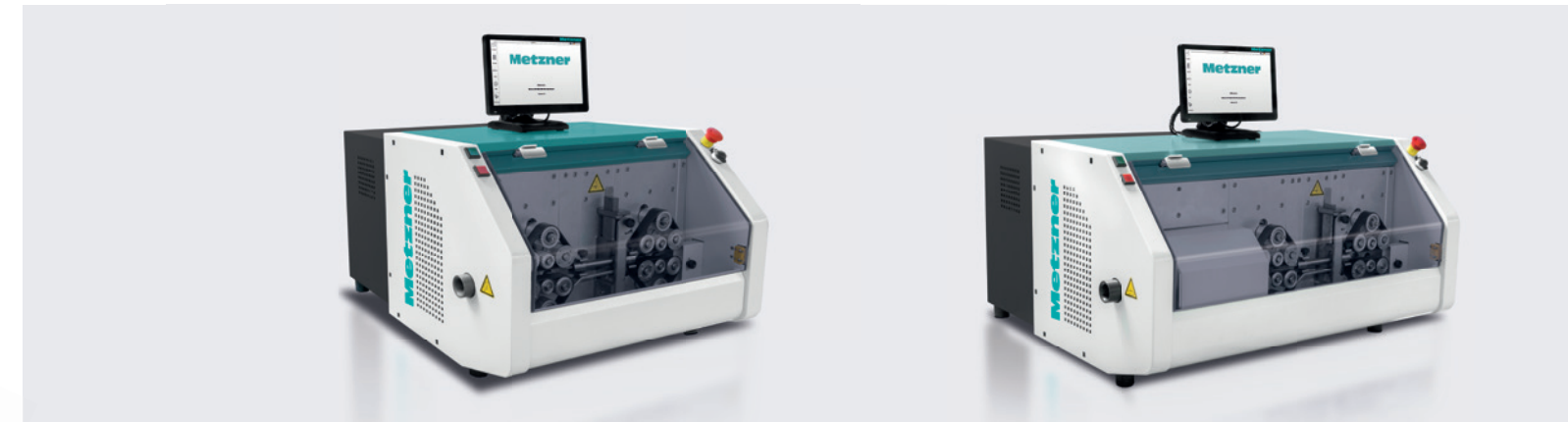
CUT AND STRIP

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.

METZNER 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 coax cables and shielded cables.

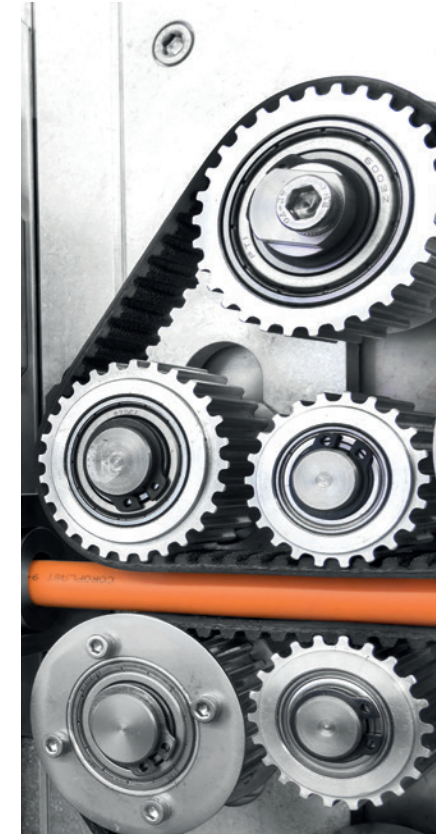


BELT TRANSPORTS

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



HIGH PRODUCTIVITY

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

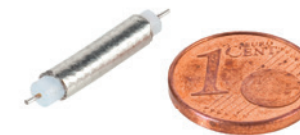
The versatile Base Model. The top performer in terms of power and speed for cables up to 35 mm². The AM 3700 proves a powerful processing of cables up to 50 mm² and a diameter up to 15 mm.

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.



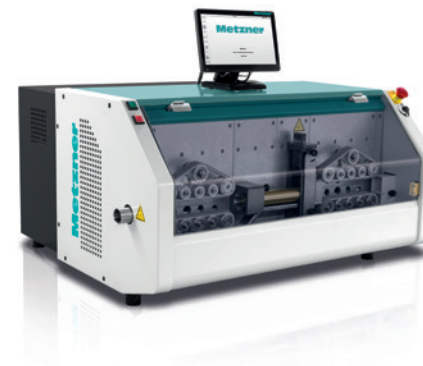
METZNER AM 5000 RANGE

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.

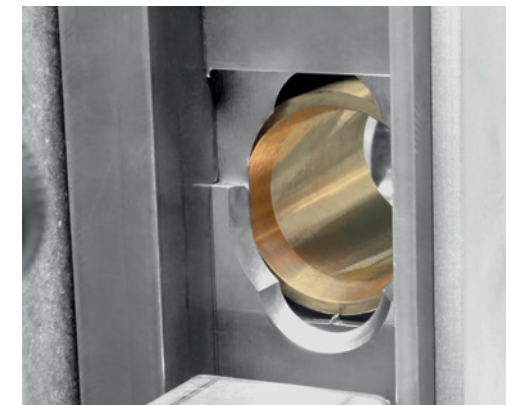
FEATURES

- 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



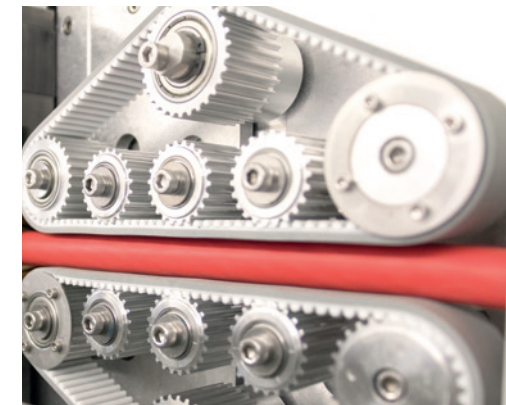
AM 5800

The first model of a completely new series - they do all you wanna do even better.



AM 5850

The „top of the class“ - equipped with rotary unit as standard enabling you to prepare shielded hybrid cables, control cables with thin outer jacket and many additional applications up to 185 mm².



METZNER AM 2000

EFFECTIVE WIRE CUT-TO-LENGTH AND STRIPPING TECHNOLOGY

The Metzner AM 2000 automatic cut-to-length and stripping machine processes cable up to 6 mm² and wire up to 1.5 mm² with high precision and repeatability. For all industry sectors, in which secure processing, flexibility and rapid production in cable converting is demanded, the Metzner AM 2000 offers a standard of equipment which is unique in its price class.

BENEFITS

Alongside its robust and particularly long-life construction, the Metzner AM 2000 offers a convincing practice-oriented specification with cable straightening and a throw-off container. As the only machine in its performance class, the AM 2000 is prepared for expansion with a PC and a printing system for cable-specific lettering.

CABLE PROCESSING AM 2000

CUT-TO-LENGTH



HALF STRIPPING



FULL STRIPPING



CENTER STRIPPING

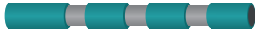


AM 2000

- Processing of cable and wire from 0.14 mm² up to 6 mm²
- Universal V-blade as standard
- High-spec wire straightener as standard
- Automatic end-of-material shut-down as standard
- Integrated interfaces for peripherals
- Storage tray as standard
- Robust design with long-life service
- A standard RS-232 interface enables PC-supported working as well as printing

PROCESSING POSSIBILITIES

FOR THE AM-RANGE

		AM 2000	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) 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



CUSTOMISED PROFILE BLADE

For processing very thin wire and other demanding processes



COMBINATION OF TWO 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 PROCESSING LINES

A PROFITABLE EXPANSION

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

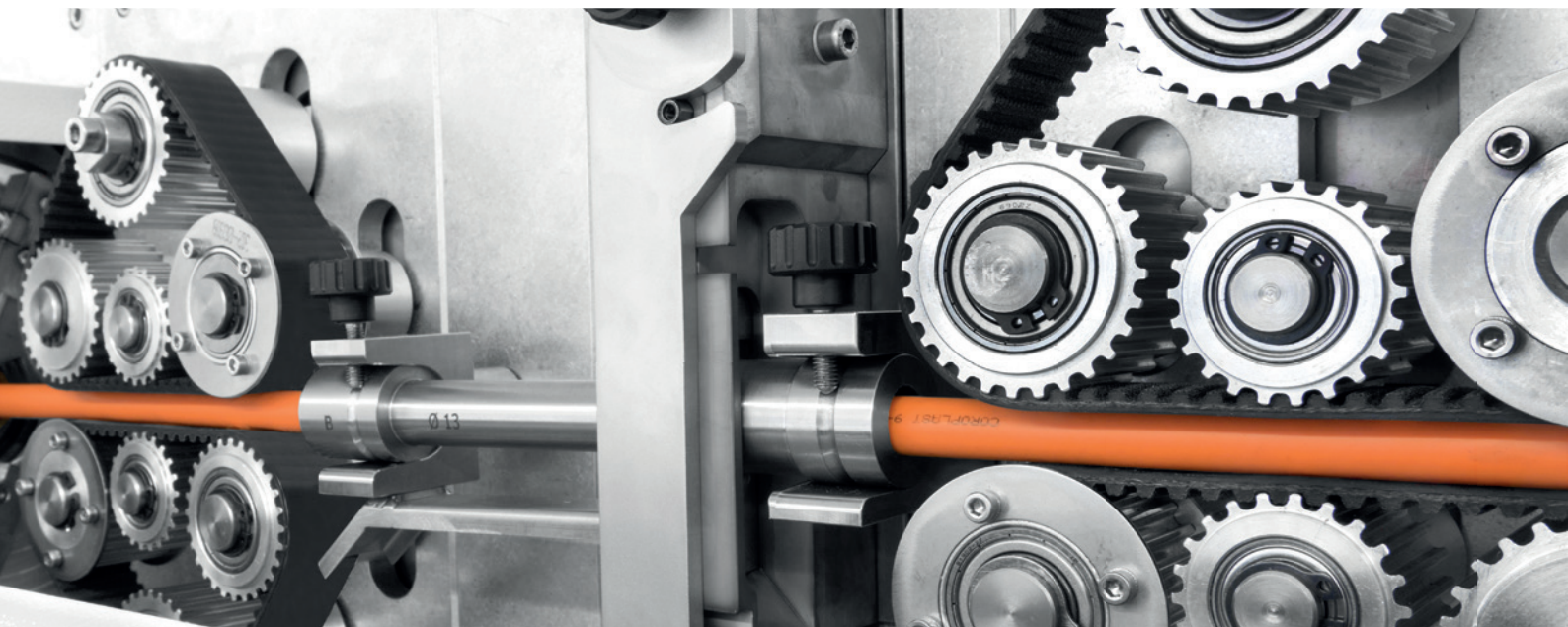
- Unwinding and feeding
- Printing and Marking
- Stacking and Coiling
- Roughing
- Software Solutions



TECHNICAL DATA

Model	AM 3800	AM 3850	AM 3500	AM 3700	AM 3550	AM 3550 Semi-Rigid	AM 3750	AM 5800	AM 5800 HD	AM 5850	AM 2000
Cable outer diameter max.	20 mm 0.79"	20 mm 0.79"	15 mm 0.59"	15 mm 0.59"	15 mm 0.59"	8 mm 0.31"	15 mm 0.59"	35 mm 1.38"	35 mm 1.38"	30 mm 1.18"	6 mm 0.24"
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	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	10 mm - 999 m 0.39" - 3278 ft
Wire size range stranded / solid ¹	0.5 - 70 mm² / 0.5 - 16 mm² 20 - 2/0 AWG / 20 - 6 AWG	0.5 - 70 mm² / 0.5 - 10 mm² 20 - 2/0 AWG / 20 - 8 AWG	0.5 - 35 mm² / 0.5 - 6 mm² 20 - 2 AWG / 20 - 10 AWG	0.5 - 50 mm² / 0.5 - 10 mm² 20 - 1/0 AWG / 20 - 8 AWG	0.5 - 35 mm² / 0.5 - 6 mm² 20 - 2 AWG / 20 - 10 AWG	0.5 mm² / 0.5 - 10 mm² 20 AWG / 20 - 8 AWG	0.5 - 50 mm² / 0.5 - 10 mm² 20 - 1/0 AWG / 20 - 8 AWG	1.5 - 185 mm² / 1.5 - 16 mm² 16 - 350 AWG / 16 - 6 AWG	1.5 - 240 mm² / 1.5 - 16 mm² 16 - 500 AWG / 16 - 6 AWG	1.5 - 185 mm² / 1.5 - 16 mm² 16 - 350 AWG / 16 - 6 AWG	0.14 - 6 mm² / 0.14 - 1.5 mm² 26 - 10 AWG / 26 - 16 AWG
Feeding speed max. ²	180 m/min 10 ft/s	180 m/min 10 ft/s	180 m/min 10 ft/s	180 m/min 10 ft/s	180 m/min 10 ft/s	180 m/min 10 ft/s	180 m/min 10 ft/s	180 m/min 9 ft/s	180 m/min 9 ft/s	180 m/min 9 ft/s	60 m/min 3 ft/s
Pull-off length max. 1st side ³ / 2nd side	210 mm / 140 mm 8" / 6"	210 mm / 110 mm 8" / 4"	210 mm / 110 mm 8" / 4"	210 mm / 110 mm 8" / 4"	210 mm / 110 mm 8" / 4"	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"	70 mm / 40 mm 3" / 2"
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	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, 0.26 A
Compressed air connection	6 bar 87 PSI	6 bar 87 PSI	6 bar 87 PSI	6 bar 87 PSI	6 bar 87 PSI	6 bar 87 PSI	6 bar 87 PSI	-	-	-	-
Dimensions (LxWxH)	691 x 880 x 490 mm	928 x 880 x 490 mm	765 x 705 x 500 mm	765 x 705 x 500 mm	765 x 705 x 500 mm	835 x 710 x 500 mm	765 x 705 x 500 mm	960 x 885 x 530 mm	960 x 885 x 530 mm	1335 x 885 x 530 mm	1187 x 760 x 580 mm
	27 x 34 x 19"	37 x 35 x 19"	30 x 28 x 20"	30 x 28 x 20"	30 x 28 x 20"	33 x 28 x 20"	30 x 28 x 20"	37 x 34 x 21"	37 x 34 x 21"	52 x 34 x 21"	47 x 30 x 23"

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



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