



Metzner CS-20

Cable shield processing machine for quick and extremely precise
cable shield and cable braid processing



Maximum precision cable shield processing

The semi-automatic »Metzner CS-20« cable shield processing machine is a patented solution for quick and extremely precise processing of cable shields and cable braids.

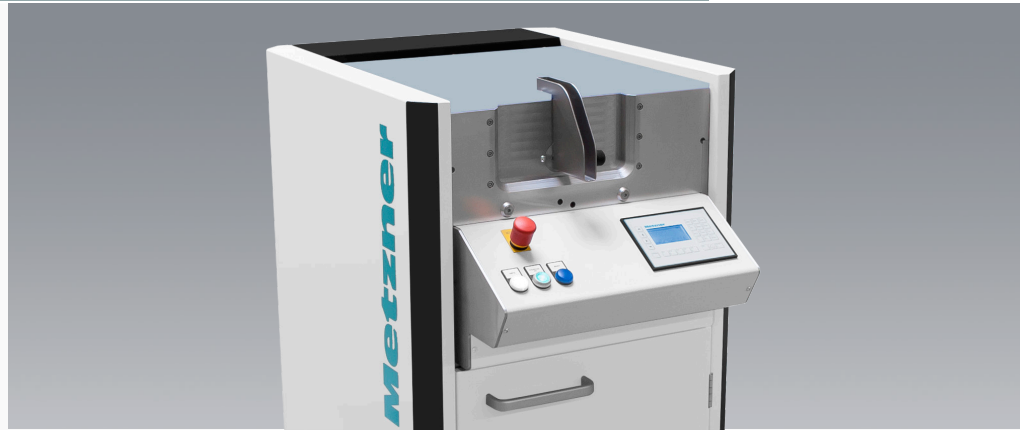
Developed for cable shield processing in hybrid and electric vehicles, this machine uses an unique process to provide complete cable shield processing: Opening the cable shield, cutting,

folding down and stripping the outer sheath or inner conductor.

The processes used for cable shields differ according to the diameter of the cable. The »Metzner CS-20« has two process steps which are defined by the cable diameter. For all cables up to 20mm in diameter, the previously cut-to-length cables are inserted manually into the

machine. Shield processing begins as soon as the cable reaches the processing position. A patented procedure is used to open the shielding braid before it is cut and inverted. Cables with an inner conductor can then be stripped easily.

This process can be carried out in reverse order for small cables up to 8mm in diameter: The outer sheath is stripped and the shield is then



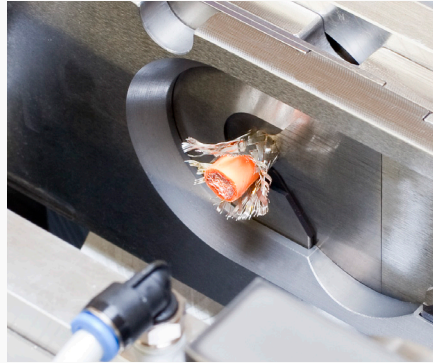
Metzner CS-20

opened, folded down and cut. This simultaneously gives a precise end cut for cables up to 8mm in diameter.

All processes are designed to avoid damaging the sheath, the inner insulation or the shielding braid. The user-friendly control panel can be used to programme many parameters including pull-off length and insertion path.

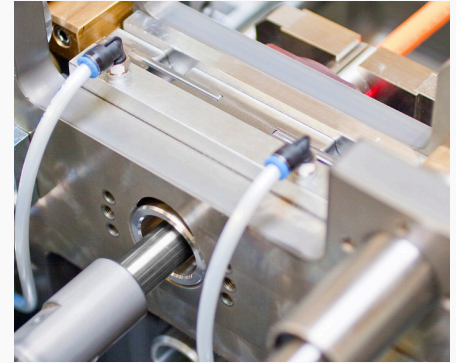
- Automatic processing of the cable shielding braid with consistent processing quality
- Stripping the cable sheath, inner conductor or insulating material
- Integrated end cut for cables up to 8mm in diameter

Properties and features



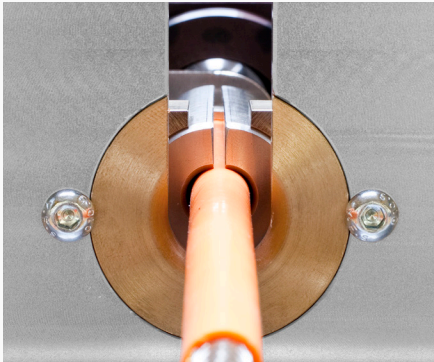
Opening and folding down the cable shield

Metzner uses a patented procedure to open the cable shield in just a few seconds before it is pushed back and folded down by another tool. In terms of cycle time, this patented procedure is far superior to similar processing methods.



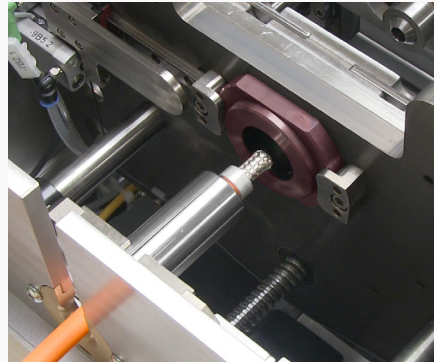
Cutting cable shields to length

The cable shield is cut to length at the same time as it is folded down. This procedure is carried out by an integrated tool that automatically cuts the cable shield to the required length.



Removing sheath or stripping

Depending on the cable diameter, it is possible to strip either the outer sheath (up to 8mm in diameter) or the inner conductor/insulation (over 8mm in diameter).



Precise end cut

The »Metzner CS-20« provides a precise end cut for all cables up to 8mm in diameter. This achieves optimum stripping length.



Simple operation

The individual production parameters can be programmed with ease using the menu system. Recurring jobs can be set up in no time as all selected parameters are saved.

Comprehensive cable processing

Alongside shield processing, Metzner provides additional cable processing solutions for cutting, stripping and crimping.

As well as high-quality processing machinery, Metzner also offers quick, product-friendly and economical peripheral equipment to extend your cut and strip machine into an automatic processing line. We classify our peripheral equipment into the following categories:

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



Technical data

Performance data	Metzner CS-20
Max. cable outer diameter	20mm
Opening the cable shield: Starting position	0 - 10mm
Opening the cable shield: Interim steps ¹⁾	0 - 5mm
Opening the cable shield: Number of indentation processes ¹⁾	20
Opening the cable shield: Indentation depth ¹⁾	0 - 5mm
Cutting the cable shield: max. length	fixed, defined by tool
End cut ²⁾	0 - 5mm
Stripping length of inner conductor / outer sheath	0 - 15mm

Specifications	
Electrical connection	230 V, 50/60 Hz, 1.5 A
Dimensions (LxWxH)	620 x 880 x 1265mm
Compressed air connection	6 bar
Weight	200 kg

Equipment	
Cutting system	Double-blade
Control	PLC
Process monitoring	●

¹⁾ infinitely adjustable | ²⁾ depending on material

● = standard, ○ = optional, — = not available | Specifications are subject to change without notice.



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