

Cosmic 32M and 32M CDD

Electrical stripping machine

komax WIRE



THE WAY TO MAKE IT | PRECISELY RIGHT

The Cosmic 32M and Cosmic 32M CDD are electrical wire stripping machines. They process single conductors and inner conductors of multi-core cables. The portable machines are easy to operate and have extremely short cycle times.

The Cosmic 32M CDD satisfies the ever tougher quality requirements in wire processing. Your integrated conductor damage detector is unique in this price category.

Area of application

The stripping machines process conductors with outside diameters of 0.6–4 mm and cross sections of 0.03–3.3 mm² (AWG 32–12). The semi-automatic models can be used for single conductors or inner conductors of multi-core cables.

High precision and short cycle times for full and partial pull-off are characteristic of the two devices

equipped with V-blades. Operating strictly electrically, the portable machine can be used anywhere a power socket is available.

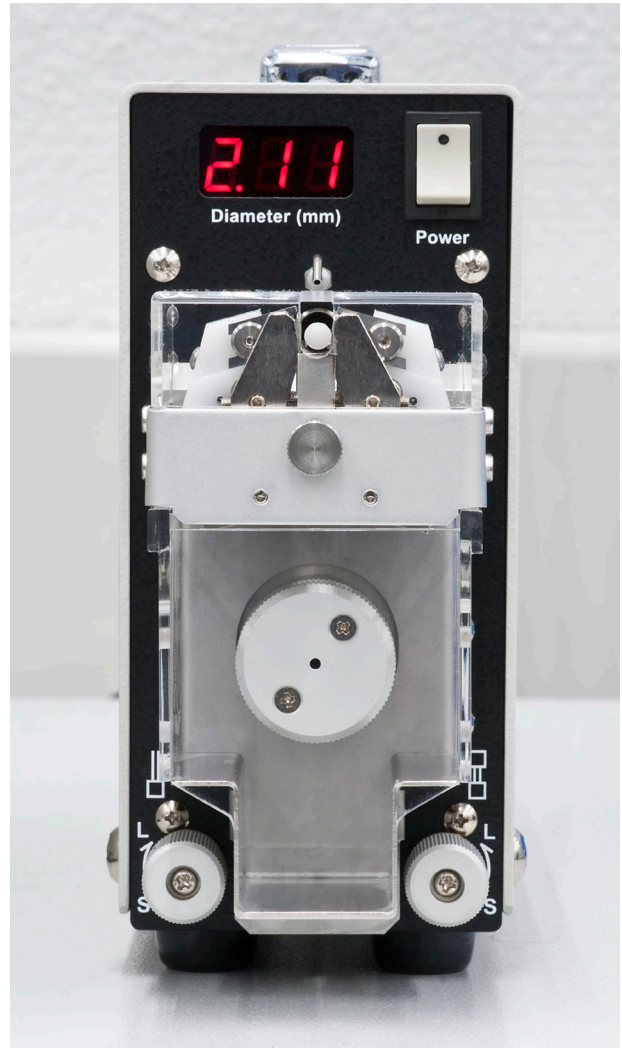
The ease of operation and the short cycle times make both stripping machines ideal for a great diversity of products made in small to medium quantities.

Intuitive operation

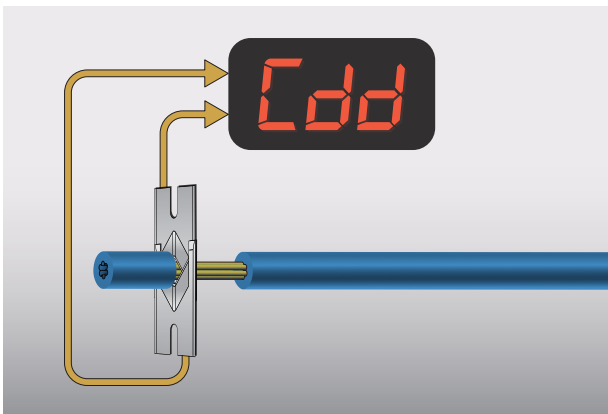
The operation of the Cosmic 32M and 32M CCD is highly intuitive and entails no lead time.

With just three analogous controls, you can set diameter, stripping length and pull-off length. The display shows the cut diameter in 0.01 mm increments.

It is easy to trigger a processing cycle: The stripping process starts automatically the moment the tip of the conductor touches the trigger sensor. If automatic triggering is not desired or possible (e.g. due to flexible conductors), the foot-operated switch is used.



▲ **Three analogue controls** and one release sensor



▲ **CDD measuring system** For perfect results

CDD measuring system

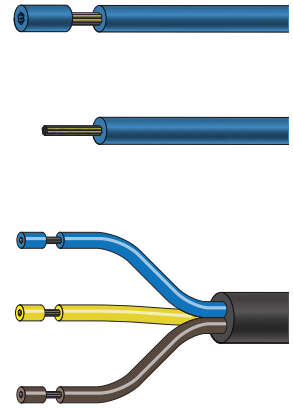
Cable assembly quality requirements are becoming tougher all the time. Quality is assured by the Cosmic 32M CDD conductor damage detector, a unique feature in this price class. The conductor damage detector detects any touching of the conductor by the blades during stripping. If contact is detected, the machine stops and the cable can be removed. Choice of having just the cut zone monitored or the entire stripping length.

Your benefits:

- Outstanding ease of operation
- Short cycle time
- Maintenance free
- Light and portable
- Integrated quality check (CDD version)



▲ **Processing samples** Conductors with full and partial pull-off



Options

- Flat, diamond-coated grippers (for smooth conductors, e.g. halogen-free)
- Thin grippers (for short insertion lengths)
- Foot-operated switch
- Air blow cleaning
- Fault alarm – Warning buzzer (Cosmic 32M CDD)

Technical data

Outside diameter	0.6 mm – 4 mm	0.02 in. – 0.16 in.
Conductor diameter	0.2 – 3 mm	0.008 – 0.12 in.
Conductor cross section	0.03 mm ² – 3.3 mm ²	AWG32 – 12
Stripping length	1 – 25 mm	0.04 in. – 1 in.
Pull-off / partial pull-off length	2 – 25 mm	0.08 in. – 1 in.
Minimum insert length L (valid for sheathed cables with outside diameter <= 5.5 mm / 0.21 in.)	L + Stripping length L depending on gripper type: Standard: L = 14 mm Thin: L = 7 mm	L + Stripping length L depending on gripper type: Standard: L = 0.6 in. Thin: L = 0.3 in.
Resolution (increment)	0.01 mm	0.0004 in.
Cycle time	Approx. 0.3 sec; with stripping length of 10 mm (0.4 in.)	
Clamping force	Mechanically adjustable	
Electrical connection	1 × 100 – 240 V 50/60 Hz 40 VA	
Pneumatic connection (with blow-out jet only)	5 – 7 bar	73 psi – 102 psi
Dimensions (W × H × D)	77 × 175 × 348 mm	25.5 × 29.5 × 16.7 in.
Weight	4.5 kg	10 lbs
CE conformity	Complies with the EC directives on machine safety and electromagnetic compatibility	
RoHS	Complies with the Restriction of Hazardous Substances Directive (RoHS)	

In case of doubt, we recommend that you have samples made of the conductors before making a purchase.

For more information
about our product:



www.komaxwire.com

Komax Wire is a division
of Komax Holding AG,
Switzerland.

THE WAY TO MAKE IT

komax WIRE