

## Cosmic 48R / 48RX

Stripping machines for coaxial and semiflex cables

**komax** WIRE



## THE WAY TO MAKE IT | STEP BY STEP

Coaxial connectors require especially precise processing of the conductors: The Cosmic 48R and 48RX are the ideal tools for meeting the quality requirements of connector assembly specifications.

The Cosmic 48R processes coaxial, triaxial and other multi-layered cables in up to 9 steps. The Cosmic 48RX is optimised for the stripping of semi-flexible coaxial cables.

### **Area of application**

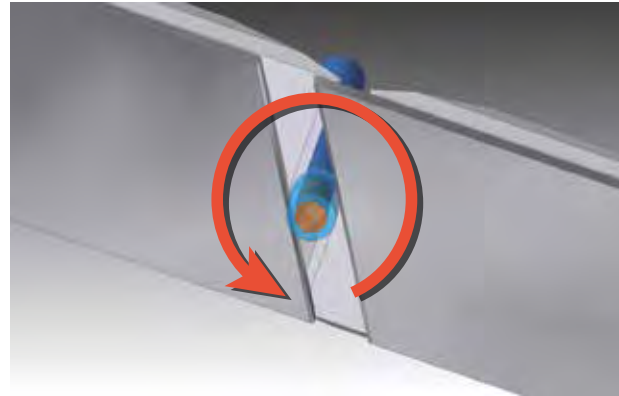
The Cosmic 48R and 48RX stripping machines are ideal for processing round, multilayered cables. Cuts into coaxial and triaxial cables are made precisely over the entire circumference. The cut parameters can be individually optimised.

The Cosmic 48RX is specially designed for semi-flexible coaxial cables. The optimised blade geometry ensures great cut performance even in the processing of tinned outside conductors.

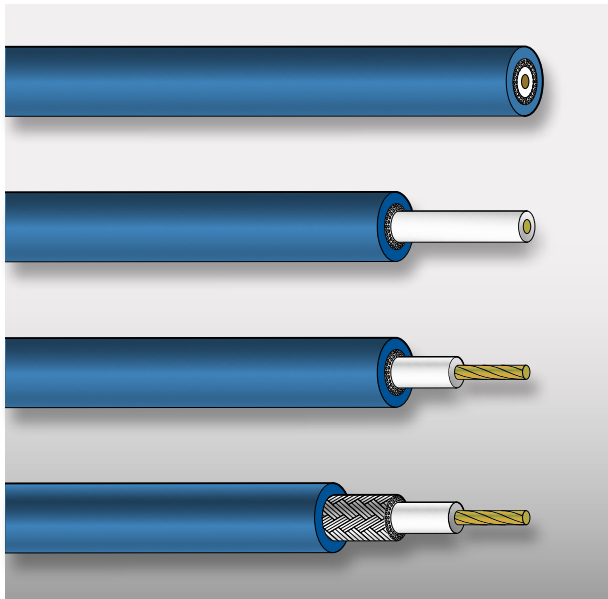
### Rotating stripping head with centring

The rotating blade head of the Cosmic 48R and 48RX is fitted with two blades and two centring units. This offers major advantages:

- The centralizer positions the cable with precision.
- The rotating blades cut the entire circumference of the insulation with precision.
- The force needed for pull-off is reduced to a minimum as a result.



▲ **Rotating blades** with centralizer



▲ **3-step stripping** Diagram

### Twisting conductor tips

Twisting the tips of conductors prevents splayed stranded wires. The twisting function in the Cosmic devices prepares the cable in an optimum way for being handled during assembly or tinning.

### Multi-step stripping

The Cosmic 48R und 48RX insulates multi-layered conductors in up to 9 steps. The processing steps can be programmed in any desired order. The cut parameters can be independently set and optimised for every level. The stripping machines have a memory that accommodates 1000 different conductors along with all processing parameters.

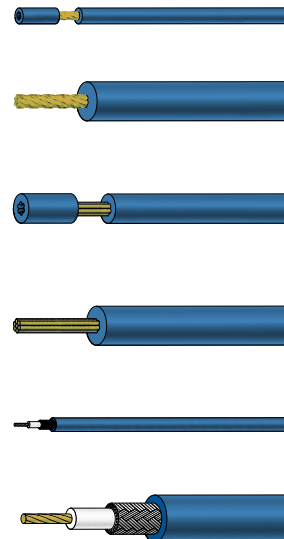
The assembly instructions for coaxial connectors put tough demands on the quality with which multilayered conductors are processed. The stripping machines carry out all blade movements with absolute precision, thereby enabling the faultless assembly of coaxial connectors.

### Operation

The operation of the Cosmic 48R and 48RX is intuitive. The graphical display assists the operator with setting the processing parameters. Parameters such as the turning and feed speed, cut duration, pull-off speed etc. are presented in a straightforward table.

#### Your benefits:

- Highly precise processing of multi-layer cables
- Stripping in up to 9 steps
- Twisting function
- Uncluttered controls that are quick to learn
- Light and portable



Processing samples ►

### Models and processing range

Stripping machine	Cosmic 48R	Cosmic 48RX
Processing spectrum	Coaxial cables Triaxial cables	Model for semiflex cables (tinned outside conductor)

### Technical data

Outside diameter of the conductor	1.5 mm–8 mm	0.06 in.–0.3 in.
Conductor cross section (single conductor)	0.013 mm <sup>2</sup> –13 mm <sup>2</sup>	AWG36–6
Minimum diameter of inner conductors	0.15 mm	0.006 in.
Resolution diameter	0.01 mm	0.0004 in.
Maximum pull-off length	40 mm (50 mm on request)	1.57 in. (1.96 in. on request)
Increment of pull-off length	0.01 mm	0.0004 in.
Maximum stripping levels	9	
Cycle time	6 seconds (3 steps)	
Production rate	Approx. 600 pcs/h (depending on conductor and programming)	
Database capacity	1000 programs	
Gripper force	Adjustable in 10 increments	
Electrical connection	1 × 100–240 V   50/60 Hz   120 VA	
Noise emitted	Type < 50 dB(A)	
Dimensions (W × H × D)	136 × 260 × 580 mm	5.35 × 10.2 × 22.8 in.
Weight	10 kg	22 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](http://www.komaxwire.com)

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

THE WAY TO MAKE IT

**komax WIRE**