



MIRA

230/230 Q

wire stripper



reddot award 2017
winner

EN

komax

MIRA

230/230 Q

Wire processing today involves a large mix of products as requirements become ever more complex. The Mira 230 and Mira 230 Q from Komax are the answer to this situation. The wire strippers deliver an extraordinarily wide range of applications, simple handling and increased productivity. With special functions and their article library, the models achieve a high level of reproducible quality. The Mira 230 Q now features integrated ACD (Automatic Conductor Detector) incision monitoring. Their ability for sequence processing and the smart design make them the first choice for multi-conductor stripping.

Largest processing range in their class

- Sturdily built to accommodate high cutting and stripping forces
- Large processing range up to 8 mm²/AWG 8
- Unique scope of functions, including sequence processing

Maximum productivity

- Incision/quality monitoring and automatic adjustment with ACD technology
- Multi-conductor processing in a single step
- Fast access to frequently used functions
- Function to call up stored articles for reproduction

Reproducible quality

- Production based on verified data stored in the library
- Password-protected access to the settings
- Integrated air jet for automatic blade cleaning

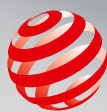


A close-up, high-angle photograph of a precision metal tool, likely a cable crimper or stripper, used for processing multi-conductor cables. The tool is made of polished metal and features a complex, multi-faceted design. A small, cylindrical metal component is visible on the left side, and a larger, knurled adjustment knob is on the right. The background is blurred, showing other parts of the machine.

THE SMARTEST WAY
TO PROCESS MULTI-CONDUCTOR CABLES

AWARD-WINNING DESIGN

EXCELLENT EFFICIENCY AND QUALITY



reddot award 2017
winner

The hallmark of quality recognized across the world for the perfect embodiment of functionality and outstanding design.

High cutting and stripping forces

Thanks to their robust and sturdy construction, the Mira 230 and Mira 230 Q have an extraordinary processing range (0.03 – 8 mm², AWG 32 – 8). With a high stripping force, they can process wires with hard insulation. They have special capabilities that go beyond stripping and shortening/trimming, allowing them to handle the most demanding tasks.

Multi-conductor processing in a single work operation

Their unique ability to sequence make both models the first pick for processing multi-conductor cables. In consecutive steps, they strip and cut the inner conductors with a variety of parameters and without a program change. Every cable and every sequence can be stored for reproduction at any time.

Reproducible quality for maximum productivity

All recorded articles (cables and sequences) are stored in the library. That way, the operator can retrieve the processing parameters at any time using search and filter functions.

The password-protected access prevents unwanted changes. The precision mechanics of the machine minimize variance, reduce errors and boost quality. An integrated air jet cleans the wire cuttings off the blades automatically, thereby ensuring consistently high quality and optimum cutting performance. Frequently used functions and secured settings are quickly accessible, which makes work processes highly efficient and increases productivity.

Well-conceived design

The big touch screen allows the devices to be operated simply and intuitively, just like a smartphone. The well-thought-out user interface helps operators to learn the operating steps quickly. Functions are depicted on the screen and explained in a help text. Using a barcode reader, the article number can be imported automatically and error-free. In addition, the dial is used to modify parameters directly. The ergonomic hand rest ensures non-fatiguing work and the LED lighting in the work area provides good visibility. The smart wire strippers have an ergonomic handle for convenient portability.

MIRA 230 Q

ACD incision monitoring – useful in more ways than one

The electronic ACD (Automatic Conductor Detector) incision monitoring detects and indicates even the slightest contact between the blade and the conductor. The function can be activated for quality assurance purposes during incision or pulling-off. The user specifies whether defective wires that need to be rejected should be cut, or if the gripper release needs to be manually confirmed. The Mira 230 Q also uses ACD technology for automatic adjustment. The blade incision values are modified based on the measured conductor diameter.



01 Article selection via the barcode scanning saves time.

02 With their ergonomic handle, the wire strippers are easy to carry.

03 The ACD incision monitoring of Mira 230 Q detects and indicates even the slightest contact between the blade and the strands.



01







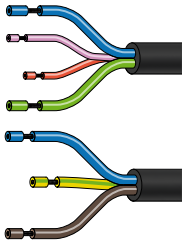



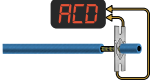


02



03

Processing examples and functions

Stripping with full pull-off		Multi-conductor cables – stripping with full pull-off	
Stripping with partial pull-off		Multi-conductor cables – stripping with partial pull-off	
Stripping in multiple steps			
Shortening, trimming conductors		Multi-conductor cables – different cross sections, stripping lengths and lengths of the inner conductors	
Offset pull-off			
Opening the blades			
Cleaning cut		ACD (Automatic Conductor Detector) for Mira 230 Q	



Technical data

Wire cross section (stripping)	0.03 – 8 mm ² , AWG 32 – 8 ¹⁾
Max. outer diameter	6.5 mm (0.256 in)
Stripping length (StrL) Stripping length with cutting	1.5 to 46 mm (0.06 to 1.81 in) = 46 - CL mm (= 1.81 - CL in)
Cutting length (CL)	= 46 - StrL mm (= 1.81 - StrL in)
Pull off length	up to 46 mm (1.81 in)
Max. wire cross section for cutting	2 mm ² / AWG 14 / ø 1.6 mm (ø 0.063 in)
Increments for incision diameter	0.01 mm (0.0004 in)
Increment for stripping length	0.01 mm (0.0004 in)
Min. insertion depth with standard grippers	13 mm (0.51 in)
Min. insertion depth with thin grippers (option)	10 mm (0.39 in)
Article library: max. number of articles	1500
Sequence function: max. number of steps	100
Incision monitoring	ACD (Automatic Conductor Detector) for Mira 230 Q
Typical cycle time	0.35 s
Electrical connection	100 – 240 V AC, 120 VA
Compressed air connection (air jet for cleaning)	5 – 7 bar
Screen size	5"
Switch-on time from standby mode	< 1 s
Ambient temperature for operation	5 – 40 °C
Dimensions (W × H × D)	141 × 290 × 473 mm (5.5 × 11.4 × 18.6 in)
Weight	11 kg (24 lb)
CE conformity	Conforms to the EU directives on machine safety and electromagnetic compatibility.

¹⁾ For difficult to process wires and wire diameters greater than AWG 10, we recommend you have samples made prior to purchase.



01



02

01
Ergonomic work position thanks to hand rest and low work axis.

02
All of the important items within easy reach in the integrated accessories drawer.

Komax – leading the field now and in the future

As a pioneer and market leader in the field of automated wire processing, Komax provides its customers with innovative and sustainable solutions for any situation that calls for precise contact connections. Komax manufactures series and customer-specific machinery for various industries, catering for every degree of automation and customization. Its range of quality tools, test systems, and intelligent networking solutions complete the portfolio, and ensure safe and efficient production. Komax is a globally active Swiss company with development and production facilities on several continents. It supports customers locally in more than 60 countries with its extensive distribution and service network, ensuring the availability and value of their investments after equipment commissioning through standardized service processes. Komax includes more than 30 companies worldwide and employs around 1700 members of staff.

40
YEARS
CUTTING
EDGE



Market segments

Komax offers outstanding competence and solutions for various areas of application and draws on them to generate the desired value-added for the entire process and optimize economic efficiency in line with customer requirements. The main markets of Komax are as follows: automotive, aerospace, industrial and telecom & datacom. With this breadth of experience, customers obtain expert knowledge for process optimization and access to the latest technologies.

Komax AG
Industriestrasse 6
6036 Dierikon, Switzerland
Phone +41 41 455 04 55
Fax +41 41 450 15 79

komax
komaxgroup.com