



MIRA 230

Programmable
wire stripper



komax WIRE

MIRA 230

Wire processing today involves a large mix of products as requirements are becoming ever more difficult. The Mira 230 from Komax is the answer to this situation. It delivers an extraordinarily wide range of applications, simple handling and increased productivity. With special functions and its article library, the Mira 230 achieves a high level of reproducible quality. Its ability for sequence makes it the first choice for multi-conductor processing.

Largest processing range in its 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

- Multi-conductor processing in a single pass
- Fast access to frequently used functions
- Function to call up stored articles for production

Reproducible quality

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

Smart design

- Smartphone-like navigation for quick learning progress
- Ergonomic design to optimize work position
- Helpful controls for fast, easy entry of parameters



THE SMARTEST WAY
TO PROCESS MULTI-CONDUCTOR CABLES



ALL-ROUNDER AND SPECIALIST



High cutting and stripping forces

Thanks to its robust and sturdy construction, the Mira 230 has an extraordinary processing range (0.03–8 mm², AWG 32–8). With a high level of stripping force, it can process wires with hard insulation. It has special capabilities that go beyond stripping and shortening/trimming, allowing it to handle the most demanding tasks.

Multi-conductor processing in a single work operation

Its unique ability to sequence makes the Mira 230 the first pick for processing multi-conductor cables.

In directly consecutive steps, it strips and cuts 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 minimizes variance, reduces errors and boosts 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

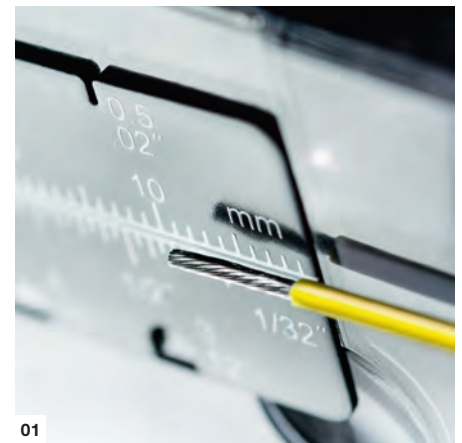
The big touch screen allows the device to be operated simply and intuitively, comparable to a smartphone. The well thought-out user interface helps operators master the necessary steps quickly. Functions are depicted on the screen and explained in a help text. In addition, the dial is handy for entering parameters quickly and easily. The ergonomic hand rest assures healthy, non-fatiguing work and the LED lighting in the work area provides good visibility. The smart Mira 230 has an ergonomic handle for ready portability.



01
Universal wire support with integrated scale for measuring stripping lengths and wire diameter.

02
Fast, intuitive operation thanks to the well-designed user interface.

03
With its ergonomic handle, the Mira 230 is pleasant to carry.



01








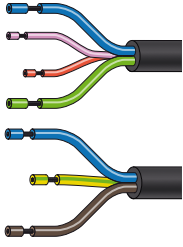
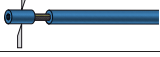



02



03

Processing examples and functions

Stripping with full pull-off		Cleaning cut	
Stripping with partial pull-off		Multi-conductor cables – stripping with full pull-off	
Stripping in multiple steps		Multi-conductor cables – stripping with partial pull-off	
Shortening, trimming conductors		Multi-conductor cables – different cross sections, stripping lengths and lengths of the inner conductors	
Offset pull-off			
Opening the blades			



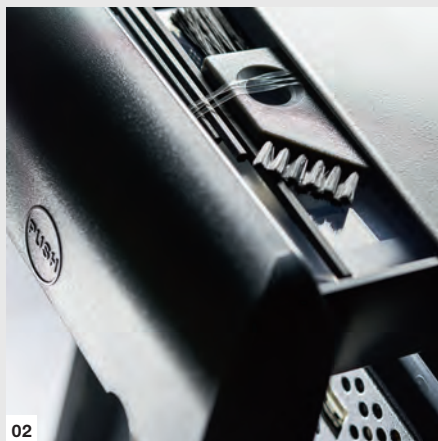
Technical data

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 mm – CL* (= 1.81 in – CL*)
Cutting length (*CL)	= 46 mm – StrL** (= 1.81 in – StrL**)
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 (ø0.063 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	11 mm (0.43 in)
Min. insertion depth with thin grippers (option)	8 mm (0.31 in)
Article library: Max. number of articles	1500
Sequence function: Max. number of steps	100
Typical cycle time	0.35 s
Electrical connection	100–240 VAC, 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 Wire – industry leader today and in the future

As the pioneer and market leader in automatic wire processing, Komax Wire supplies its customers with innovative solutions fit for the future in all areas calling for precise terminal connections. Standardized and customer-specific machines are supplemented by various processing modules, individual application parts as well as suitable software and interfaces to achieve safe, efficient production. Development and production are carried out within the globally active Swiss company at different locations. A comprehensive sales and service network supports customers with standardized service processes in more than 50 countries locally on site, ensuring the availability and sustainable value of their investments after commissioning. The Swiss company Komax Wire is part of the globally operating Komax Group with about 1,500 employees.



Market segments

Komax Wire 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 Wire 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.



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