



# MICROLAB 20

quality tools



**komax**

# NEW AND IMPROVED ABLE TO CUT LARGER RANGE OF WIRES

## MICRO LAB20

The MicroLab 20 is a fast and reliable micrograph laboratory for quick analysis and customisable reporting options.

It can also be integrated with other Komax quality tools such as Crimp Force Monitors, Pull Testers and Micrometers for a more comprehensive quality report.

Compared to its predecessor, the MicroLab20 is able to cut a wider range of wires, from 0.05 mm<sup>2</sup> to 80 mm<sup>2</sup>.

### Automatic cutting and polishing

- All-in-one cutting and polishing at press of button
- Double claw sample holder for greater perpendicularity alignment of wider range of wires

### Customisable solution

- Optional vacuum module to remove fumes and dust from grinding
- Optional laser sight for more accurate cutting

### Improved quality control

- Able to integrate with pull testers and micrometers for pull force and crimp width/crimp height measurements
- Customisable report templates



## Technical Specifications

### Cutting Module

Range	0.05 – 80.00 mm <sup>2</sup>
Speed	3500 rpm
Feed Rate	~0.6 mm/sec
Cutting Wheel	ID: 12.7 mm, OD: 127 mm, Thickness: 0.5 mm

### Polishing Module

Speed	3500 rpm
Feed Rate	~6 mm/sec
Adjustable Grinding Range	0.00 – 5.00 mm
Adhesive Sandpaper OD	125 mm

### Etching Module

Processing Time	2 – 30 sec
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### Imaging Module

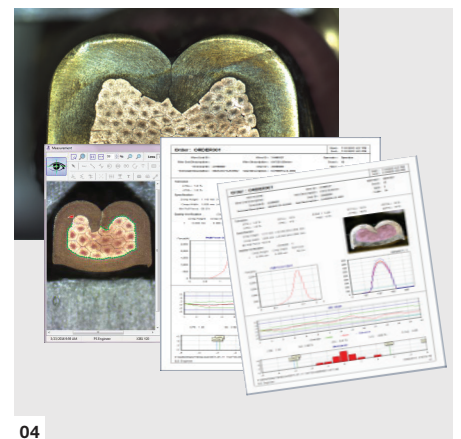
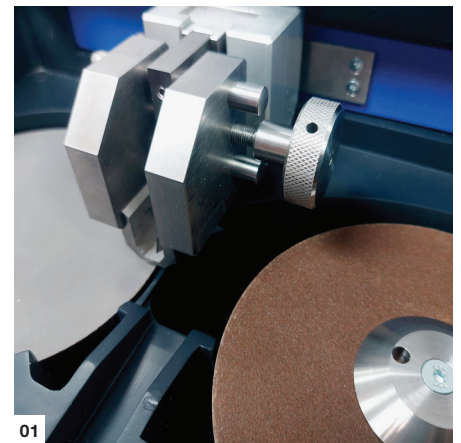
Magnification Range	0.75x, 1x, 1.5x, 2.0x, 2.5x, 3.0x, 3.5x, 4.0x, 4.5x, 5.0x
Field of View	1.2 mm – 8.2 mm (X-direction)

### Weight and Dimensions

Device Weight	30 kg
Device Dimensions	435 × 390 × 290 mm



- 01 Automatic Cutting and Polishing
- 02 Integrated Etching module
- 03 Detailed Imaging
- 04 Customisable report template for Evaluation



02

03

04

## Komax – leading the field now and in the future

As a pioneer and market leader in automated wire processing, Komax provides its customers with innovative solutions. Komax manufactures series and customer-specific machinery, catering to every degree of automation and customization. Its range of quality tools, test systems, and intelligent software and networking solutions complete the portfolio, and ensure safe, flexible, and efficient production.

Komax is a globally active Swiss company with highly qualified employees and development and production facilities on several continents. It provides local support to customers worldwide through its unique sales and service network and offers services that help them get the most out of their investments.

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