

Crimping Line

Cutting and Grinding Unit **ML 3301**



ML 3301 cutting and grinding unit integrated in an aluminum housing

With the cutting and grinding unit **ML 3301**, crimp connections can be cut and ground very accurately. The metal saw blade enables a precise cut.

For this purpose, the crimp is clamped in the sample holder and fixed on the guide carriage. After starting the motor, the sample holder together with the clamped specimen can be guided first to the saw blade and then to the grinding plate by means of the feed wheel. Cutting and grinding speed is infinitely variable by means of a potentiometer. The cut positioning can be determined even more precisely with the optional Visual Cut Camera (VCS). The integrated camera is conveniently controlled via a color touch display. Thanks to the various zoom levels, even very small crimp contacts can be cut precisely.

Performance features

- High-quality metal saw blade
- Clamping device with guide carriage for cutting and grinding the crimp
- LED cutting point illumination
- Safe working due to Plexiglas safety cover
- Feed wheel for exact guiding of the crimp on saw blade and grinding plate
- Adjustment of cutting and grinding speed with potentiometer
- Optional: Integrated **Visual Cut Camera (VCS)** for exact cut positioning, operated via touch display



"Your monitoring specialist"
certified ISO 9001 + ISO 14001

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Further performance features

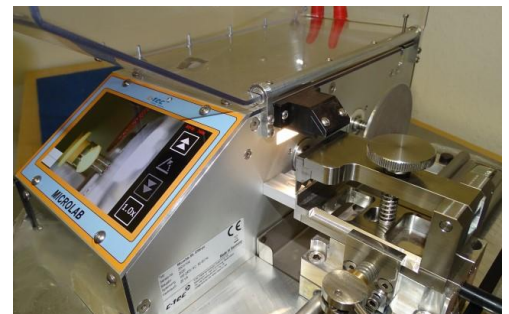
- ⊗ Large set of spare parts
- ⊗ Standard sample holder for cross sections up to 6 mm²
(other sizes available on request)
- ⊗ Tool set for specimen processing
- ⊗ Integrated in a robust aluminum housing
- ⊗ Connection for chip extraction and control for vacuum cleaner



Cut control with an optional Visual Cut Camera (VCS)

Technical specifications

- ⊗ Power 100-240V AC, 50-60Hz
- ⊗ Crimp cross section up to 6 mm²
- ⊗ Cutting speed 1800 – 6800 U/min.
- ⊗ Grinding speed 490 – 1860 U/min.
- ⊗ Grinding paper Ø 73mm, grain 320 / 600 / 1200
- ⊗ Metal saw blade Ø 40mm
- ⊗ Weight approx. 10,5 kg
- ⊗ Dimensions 350 mm x 480 mm x 220 mm (W x D x H)



LED illumination of the cutting point

Optimum preparation of crimp cross sections with our Microlab modules

Cutting and Grinding



Electronic fine polishing



Measuring / Analysing

