

"Your monitoring specialist"  
certified ISO 9001 + ISO 14001

## Crimping Line

# Fine Cutter FC 4001

Fine cutting machine for large crimp connections



*Fine Cutter FC 4001*

The workflow management of the crimping process is important for the quality of crimp connections. Hidden defects of material or incorrect setting of the crimping machine or tool can result in serious defects in the crimp connection and lead to substantial failures of the wire harness. Claims for compensation and/or loss of face can be the result. We recommend conducting regular quality checks by preparing micro sections of the crimp connections. The **Fine Cutter FC 4001** allows a fast and precise cutting and milling of the crimp with large cross sections of 6 – 95 mm<sup>2</sup>. After the precise cutting or milling the crimp can be polished, measured and the result recorded. The **FC 4001** is a further step of the Microlab product family to process micro sections more efficient, safe and user friendly.

## Performance features

- Appropriate for cable cross sections from 6 mm<sup>2</sup> to 95 mm<sup>2</sup>
- Speed range adjustable from 20 – 2000 rpm
- Drive motor with immediate stop function (< 0.5 sec)
- Cooling of the cutting point by air flow
- Lighting of the cutting area by super bright LED
- Chip extraction through integrated chip collector with connection for suction (integrated socket for chip suction)
- Optional with milling disc also appropriate for epoxy samples



*Maximum precision at cutting the crimp connections*



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### Further performance features

- Spring-mounted resetting of the saw blade
- Emergency stop for maximum operator safety
- Precise ball bearing guidance
- High-performance motor
- Inclusive terminal holder with four clamping jaws for different cross sections from 6 – 95 mm<sup>2</sup>
- Terminal holder for smaller cross sections available on request
- Support holder for offcuts
- Inclusive tool set for preparing the samples
- Housing made of robust, powder coated aluminum sheet



Optional with milling disc e.g. for epoxy samples

### Technical specifications

- Voltage supply 100 -240 VAC
- Cross section range 6 mm<sup>2</sup> - 95 mm<sup>2</sup>
- Metal circular saw blade equipped with carbide steel XT, 120/25.4, R32 teeth
- Braking time saw blade < 0.5 sec
- Speed range 20-2000 rpm
- Circuit breaker at overload
- Weight: c. 20 kg
- Dimensions (W x D x H): 430 mm x 505 mm x 330 mm



Large tool set

### Optimum preparation of crimp cross sections with our Microlab modules

Fine Cutting →



Electronic fine polishing →



Measuring / analysing



Quality Management  
Environmental Management  
ISO 9001  
ISO 14001  
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