

"Your monitoring specialist"
certified ISO 9001 + ISO 14001



Crimping Line

Optic Station ML 3212

Microlab optic station with 12x zoom



Optic station ML 3212 with 12x zoom and an optional ring light holder

The **optic station ML 3212** is a first-class measuring microscope for examining the crimp after the polishing process. It has a 12x zoom lens with an outstanding combination of zoom range and resolution, as well as an excellent digital colour camera, which allows high-quality micrographs to be produced.

With the included X-Scan evaluation software, the micrograph can be measured, evaluated and documented according to relevant standards or specified customer requirements.

Performance features

- **Optics station** functionally and ergonomically integrated into an MDF board with stainless steel coating
- First-class zoom optics with 12:1 image magnification
- Reproducible detent function
- With convenient **X-Scan analysis software**
- Calibration base with measuring scale incl. calibration certificate



Inclusive analysis software
X-Scan



C-tec Cable technologies GmbH & Co.KG
Ilztalstrasse 11 Tel.: +49 (0) 8554 – 94 23 9-0
D-94513 Schönberg Fax: +49 (0) 8554 – 94 23 9-20

eMail: info@cable-tec.net
www.cable-tec.net

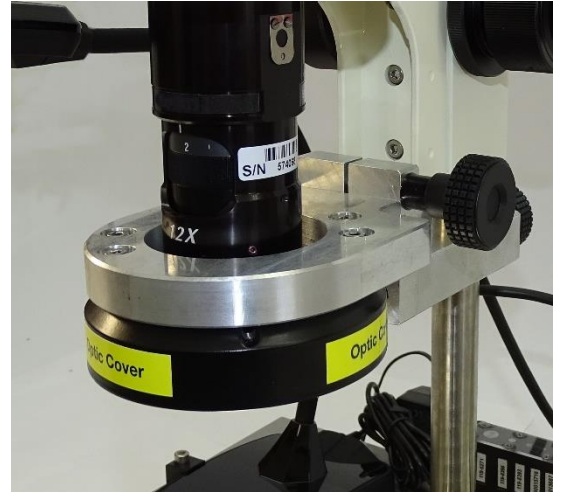


"Your monitoring specialist"
certified ISO 9001 + ISO 14001

Crimping Line

Equipment

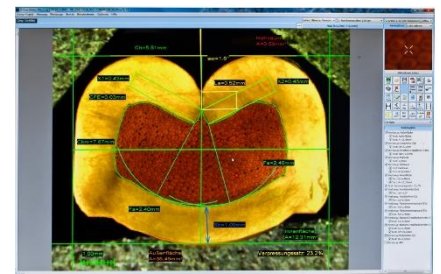
- ⊗ Magnification 130-11x on 17" monitor
- ⊗ Microscope holder with **coaxial coarse and fine drive** for adjustment of image sharpness
- ⊗ **LED ring light** with Fresnel lens AA100mm to illuminate the field of view
- ⊗ **High performance digital colour camera** USB 3.0 with CMOS sensor and a resolution of 3072x2048 pixels
- ⊗ Optional: **ancillary lens** 0.25x or 0.5x for larger measuring objects



Ring light holder with ancillary lens

Overview sample sizes

	Minimum magnification		Maximum magnification	
	vertical	horizontal	vertical	horizontal
12x zoom	7.3 mm	9.7 mm	0.59 mm	0.8 mm
12x zoom with 0.5x lens	14.6 mm	19.4 mm	1.2 mm	1.6 mm
12x zoom mit 0.25x lens	29.0 mm	39.0 mm	2.4 mm	3.2 mm



Measurement of the crimp with X-Scan

Technical specification

- | | |
|---|--|
| ⊗ Type | ML 3212 |
| ⊗ Voltage supply | 100 – 240 VAC 50/60 Hz |
| ⊗ Smallest extension (15" monitor) | 24x |
| ⊗ Largest extension (15" monitor) | 288x |
| ⊗ Smallest crimp height for a full screen | 0.25 mm |
| ⊗ Largest crimp height for a full screen | 8.0 mm |
| ⊗ Measurement resolution µm per pixel | 13 - 7.31 - 5.17 - 3.72 - 3.0 - 2.45 - 2.10 - 1.84 - 1.64 - 1.47 - 1.34 - 1.23 - 1.14 - 1.06 |
| ⊗ Optical zoom grades | 0.58 - 1.0 - 1.5 - 2.0 - 2.5 - 3.0 - 3.5 - 4.0 - 4.5 - 5.0 - 5.5 - 6.0 - 6.5 - 7.0 |
| ⊗ Camera resolution | 3072x2048 pixels |
| ⊗ Camera connection | USB 3.0 port |
| ⊗ Object illumination | Long-life LED ring light for true color pictures |
| ⊗ Recommended temperature | 22°C +/- 5° |
| ⊗ Dimensions (W x D x H) | 430mm x 470mm x 550mm (680mm height with ancillary lens and higher stand rod) |
| ⊗ Weight | 14,5 kg |