



SK 6000

Micrograph Laboratory

- Cutting module SKT 6000
- Electrolyte etching module SKE 3000
- Optical microscope LMX 2000
- **ORIGINAL VISO 6.00 SOFTWARE**



Quality control

Micrograph laboratory SK 6000 - all inclusive

Cutting module SKT 6000 with automatic cutting feed



Input power		500 VA
Speed	Polishing	1500 - 3000
	Cutting	750 - 1500
Cross section area		> 80 mm ²
Ingress protection		IP20
Dimensions (WxDxH)		478x340x216 mm
Weight		23 kg

This cutting and polishing module enables the user to produce **high-quality microsections** from crimped and welded connections within a cross-section range of 0.03 to over 80 mm².

The samples can be clamped quickly and easily into the sample carrier. The constant clear view of the cut and polished slice guarantees **precise positioning** of the samples on the required cutting plane.

The cutting and polishing processes take place in a single operation. The sample feed during the cutting process is automatically motor-powered. Cutting speed and pressure remain constant throughout. Damage to the sample is thereby prevented. The sample holder does not need to be removed for manual polishing.

Viso 6.00 - updated original measurement software

Viso 6.00 ensures automated splice quality control and immediate interaction between the customer and SM Contact engineers.

All the measurement results are automatically uploaded to customer's private area in SM Cloud data storage. If they diverge from the Control list, SM Contact engineers get a signal and provide customer with the assistance.

The program allows to do free measurement with appropriate presets or to use the Control list. It guarantees accurate and convenient measurements, including all tools, automatic calibration, dimensions detection, and data export to PDF meeting the industry-specific and factory standards. Annual re-validation of connections and updating of the Control list keeps the customer abreast the production quality throughout the whole machine lifecycle.

SPARE PARTS
ON
TOOLING.SMCONTACT.EU

SM CONTACT CORPORATION

77860 Quincy Voisins • France
20 à 22, Voie Gallo Romaine
Tel.: +33 (0)1 64 63 66 66
Fax: +33 (0)1 64 63 67 22
smcontact@smcontact.fr



www.smcontact.eu

Electrolyte etching module SKE 3000 with variable etching strengths



This optional device can be used for easy conversion of existing microsection labs, which still operate with aggressive chemicals, to an electrolyte process. The station is used for the **preparation of polished surfaces** after cutting and polishing the sample. A felt tip dipped in electrolyte is used as the cathode in this case. It removes the burrs and prepares the microstructure so that the relevant details can be seen.

Min. etching strength	0,35 A
Max. etching strength	3,15 A
Electrolyte	AE 7 + CE 1
Ingress protection	IP20
Dimensions (WxDxH)	250 x 210 x 125 mm
Weight	5,6 kg

The etching process can be interrupted and repeated at any time. There is no need to neutralise the sample. SM Contact supplies two different electrolyte solutions for this system: a slightly acidic and a neutral solution.

The SKE 3000 module has two etching strengths: **0.35 A and 3.15 A**. An LED indicates that etching is in operation.

Zoom-USB Microscope LMX 2000

The LMX 2000 is a universal optical measurement station for quality assurance. It supports graphical display, measurement, documentation and archiving of your samples. **The 6.5x zoom optic** is equipped with an array function and a shutter. The high-resolution USB 2.0 camera also enables mobile use of the measurement station on a notebook.

The Viso 6.00 measurement software lets you make all standard 2D measurements as well as special circle- and surface measurements.

Automatic calibration function assures highest reliability.



SM CONTACT GMBH

D-66113 Saarbrücken
Germany
Lebacher Str., 4
Tel.: +49 (0) 9127 9536714
sales_de@smcontact.eu

SM CONTACT ENGINEERING

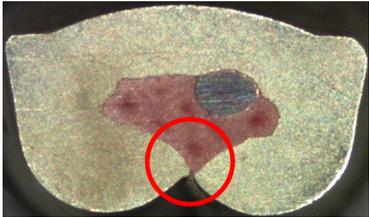
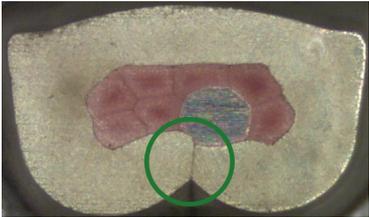
196191 Saint-Petersburg
Russia
21-A, Basseynaya Str.
Tel.: +7 812 980 97 93
info@smcontact.ru

SM CONTACT ASIA

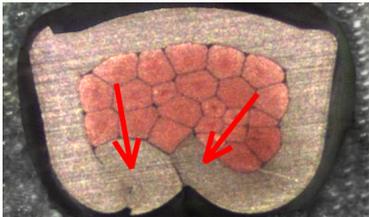
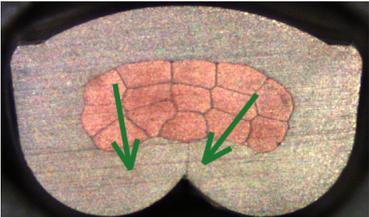
555 Panyu RD • GuangZhou Chi-
na • 205 Exchange Center TianAn
Hi-tech Ecological park
Tel.: +86 (0)20 22883182
info@smcontact.cn

Crimp connection quality control

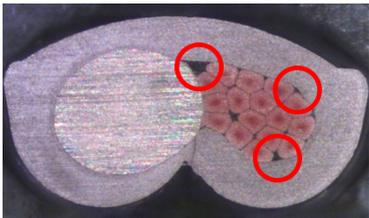
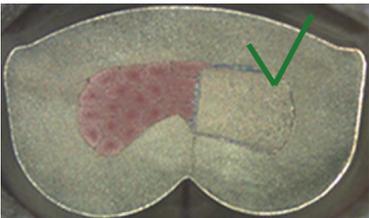
Tight closure



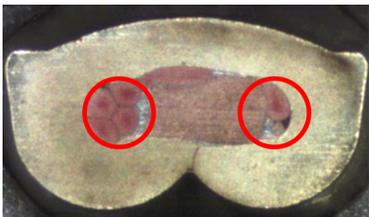
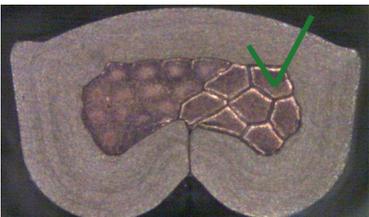
Connection Symmetry



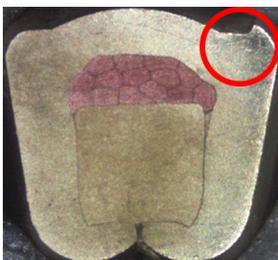
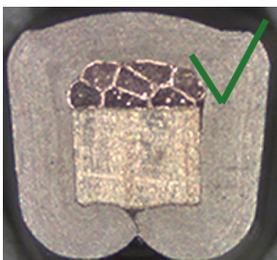
Compression



Components positioning



Burrs („Cat ears“)



SEE MORE

