



SawPolish Units

Sawing and Polishing Devices for Crimp Cross Section Analysis

- Three models for sawing and polishing a wide range of crimp connections
- Polishing disc is in line with the saw blade for fast and simple processing
- Compatible with Electrolyte Staining Unit and MacroZoom Unit 1.3 for a complete crimp cross section analysis
- Numerous sample holders are available for a variety of applications such as welding, potting and connector inspection

QUALITY ASSURANCE

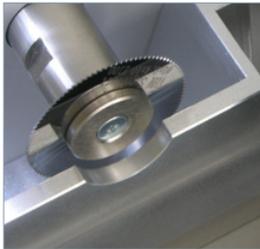
SawPolish Units

Variety: The SawPolish product family offers three models to cover a wide range of applications. Each model has its own specifications to meet varying budgets and production needs.

Capability: The interchangeable and customizable sample holder allows a nearly endless application range.

Productivity: The saw blade and polishing disc are aligned so that the sample can be cut and polished in one motion to minimize processing time.

Precision: Don't waste time and money for inaccurate crimp cross section analysis. Be precise. At Schleuniger precision is our passion.



Carbide saw blade for long life and precise sawing.



Polishing disc ensures a smooth and clean surface if needed.



Digital magnifier with 4 step zoom (4x, 6x, 8x, 11x) (SPU 6 Comfort)



The adjustable mechanical stop with digital display ensures repeatable cutting positioning (SPU 6 Comfort)



A variety of sample holders make it possible to process a variety of crimp contacts.

| Technical specification | SawPolish Unit 6 | SawPolish Unit 6 Comfort | SawPolish Unit 60 |
|-------------------------------|--|---|--|
| Maximum Terminal Height | 9 mm (0.35") | | 20 mm (0.79") |
| Standard Saw Blade | Carbide (VHM) 40 x 10 x 0.4 mm (1.57 x 0.39 x 0.02") | | Carbide 100 x 22 x 1.0 mm (3.94 x 0.87 x 0.04") |
| | Suitable for copper, aluminum, steel, alloy steel, stainless steel, titanium, bronze, brass, cast iron, gold, silver, inconel, nimonic, hastelloy, magnesium alloys, plastic | | |
| Polishing Disc Diameter | 100 mm (3.93") | | |
| Sand Paper | 100 mm (3.94"), grain size 1200 | | |
| Motors | $P_{max} \approx 85 \text{ Watt}$ $f_{rot} \approx 6000 \text{ min}^{-1}$ | $P_{max} \approx 300 \text{ Watt}$ $f_{rot} \approx 9800 \text{ min}^{-1}$ | $P_{max} \approx 450 \text{ Watt}$ $f_{rot} \approx 4000 \text{ min}^{-1}$ (incl. motor brake) |
| Blade / Polishing Motor Speed | Adjustable | Adjustable | Fixed (optional: adjustable) |
| Additional Equipment | x | <ul style="list-style-type: none"> ■ Display for mechanical adjustments ■ Digital magnifier | x |
| Power Supply | 100 – 240 VAC, 50/60 Hz | | |
| Operating Temperature | 0° – 50° C (32° – 122° F) | | |
| Dimensions (L x W x H) | 300 x 255 x 145 mm (11.8" x 10.0" x 5.7") | 400 x 255 x 140 mm (15.7 x 10.0 x 5.5") | 450 x 380 x 185 mm (17.7 x 14.9 x 7.3") |
| Weight | 9.3 kg (20.5 lbs.) | 12.8 kg (28.2 lbs.) | 30 kg (66.1 lbs.) |
| Protective Class | IP 20 | | |