



SawPolish Unit 6 Comfort



SawPolish Unit 6



SawPolish Unit 60

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.



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 / Optional).



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 Specifications	SawPolish Unit 6	SawPolish Unit 6 Comfort	SawPolish Unit 60
Maximum terminal height	3 mm (0.12")	8 mm (0.31")	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, nimonc, hastelloy, magnesium alloys, plastic		
Polishing disc diameter	100 mm (3.94")		
Sand paper	100 mm (3.94"), grain size 1200		
Motors	$P_{max} \approx 85$ Watt $f_{rot} \approx 6000$ RPM	$P_{max} \approx 300$ Watt $f_{rot} \approx 9800$ RPM	$P_{max} \approx 450$ Watt $f_{rot} \approx 4000$ RPM (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 (optional) 	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")	319 x 310 x 162 mm (12.6 x 12.2 x 6.4")	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		