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FIBER POLISHER: FP180



FP180 polisher

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Prism Awards
FOR PHOTONICS INNOVATION

Winner of 2008
SPIE/Laurin Publishing
Prism Awards



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Princetel's PF180 series hand-crank fiber connector polisher is an award winning field polishing machine. It does not require power or battery and therefore is ideal for oil and gas environments where spark is prohibited. The machine can also be a perfect solution in a lab. There won't be the frustrating moment when power adapter is missing.

The machine can be transformed into an electrical polishing machine with a powered screwdriver (not included). The driver provides fun and more consistent speed. When power is not available and/or battery is depleted, the hand-crank feature comes in extremely handy. Adjustable force ensures consistent finish for a wide variety of connector types and the number of connectors in the fixture.

FEATURES

- Hand crank for power/battery-free operation
- Powered screwdriver for speed consistency (not included)
- Polish up to two connectors or ferrules simultaneously
- Quick release for convenient removal of polish fixture
- Adjustable force for consistent surface finish and different ferrule sizes
- Low center of gravity for high stability
- Small footprint for multiple-machine operation
- Quick-change mechanism allows speedy removal of polishing fixture
- Universal fixture fits all connectors with the same ferrule diameter
- Built-in reference plate for precise setting of ferrule protrusion

SPECIFICATIONS

PARAMETERS	VALUES
Turntable speed	100-180 rpm
Time control	Manual
Planetary/spin speed ratio	1:50
Eccentric distance	5 mm
Force adjustment	0-1.2 kg (0-11.5 N)
Fixture capacity	Up to 2 connectors/ferrules
Working temperature	-20 to 65 C
Storage temperature	-40 to 85 C
Suitable driver speed	100-180 rpm
Suitable driver torque	4.5 N-m (40 lb-in)
Driver inport port	1/4" HEX
Housing material	Machined ABS
Weight (polisher)	~2.5 kg
Dimensions (lxwxh)	110x80x200 mm

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