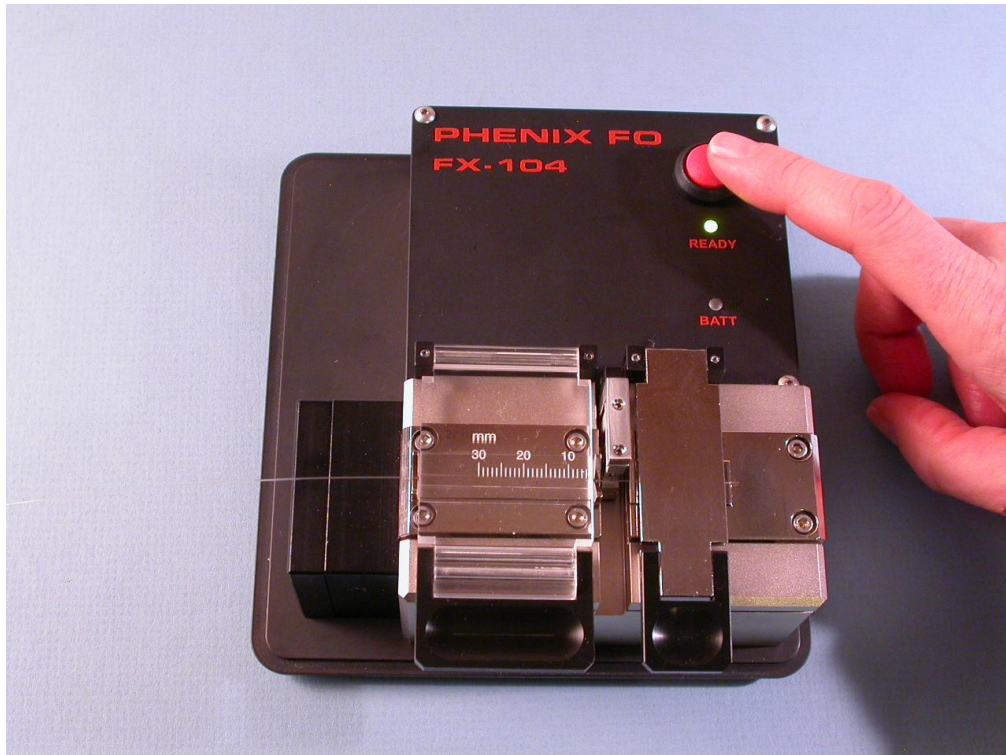


# PHENIX FO

## FX-104 LARGE DIAMETER FIBER OPTIC CLEAVER



**50 to 350  $\mu\text{m}$  diameter cleaving capability**

**Total microprocessor control**

**Laptop cleaver parameter storage and control**

**Diamond cleaving precision**

**>220,000 cleaves diamond lifetime**

**0.02 to 30 mm cleave length**

**Wide range of fiber adapters available**



[phenixfo.com](http://phenixfo.com)

## FEATURES AND BENEFITS OF THE FX-104

### **Total Microprocessor Control**

Control of all variables to produces precise, consistent and dependable cleaves.

### **USB connectivity**

Laptop can be used to change cleaver parameters and readout cleaver data.

### **<0.2° Degree Average Cleave Angle<sup>1</sup>**

Essential for consistent, low-loss coupling

### **Unique Diamond Scoring Mechanism\***

Produces a near invisible score mark for better cleaves and splices.

### **Ergonomically Designed**

Sized for the human hand, intuitive, easy to use.

### **Multiple Fiber Inserts**

Adapts to a wide range of fiber sizes, ferrules and holders.

### **Wide Fiber Clamps**

Preserves the integrity of the fiber without crushing.

### **Monolithic Construction\***

Rugged dependability with small footprint for portability.

### **Transparent Fiber Clamp with Length Scale\***

Cleaved fiber calibrated length setting.

### **Protective Cover**

Tough, transparent cover protects the entire instrument.

### **Battery Powered**

Portable for field or lab use.

## SPECIFICATIONS

### **Fiber Type**

SM, MM and PM and others

### **Cladding/Coating Diameter**

50 to 350  $\mu\text{m}$ /150 to 900  $\mu\text{m}$

### **Fiber Inserts**

125/245, 125/400 and 125/900  $\mu\text{m}$ , large core fiber inserts available

### **Fiber Holder, Ferrule adapters**

Fiber holder and ferrule adapters are available.

### **Cleave Length**

Calibrated scale; 6 to 30 mm,  
Uncalibrated; 0.02<sup>1</sup> to <6 mm

### **Diamond Lifetime<sup>1</sup>**

>220,000 cleaves, >440 diamond positions,  
>500 cleaves per position

### **Cleaves per Battery Charge**

400 cleaves

### **Controls**

Power on and cleave cycle actuation button.

### **Cleaver Status LED**

Standby, cleaving and error mode indications.

### **Battery Status LED**

Charged, discharged and charging indications.

### **Power Input**

Battery powered,  
100-240 Vac, 50-60Hz input

### **Weight**

2 lbs, 0.9 kg

### **Dimensions, with cover installed**

5½x5¾x3⅞ in., 140x146x80 mm, WxDxH.

### **Phenix FO**

800.716.8052

sales@phenixfo.com

www.phenixfo.com

<sup>1</sup> tested with 125  $\mu\text{m}$  diameter clad fiber.

\* patent pending feature.