

Automatic Large Diameter Fiber Cleaver



- Man-machine interaction with touch screen, flexible and convenient.
- Open cleaving parameters settings, make it easy to produce and engage in research and development.
- Equipped with all kinds of fiber holders, suitable for all types of optical fibers.
- Automatic micrometer heads adjustment.
- Diamond blade.

Product Description

This automatic large diameter fiber cleaver surpasses the performance boundaries of conventional cleaver and is a precise cleaving solution for PM fibers, fiber bundles, glass tubes and materials with extremely large diameters. Through its innovative automatic technology, it enables users to simply set the fiber tension to drive the system to intelligently adjust the automatic thimble parameters, thus easily and reliably completing various complex cleaving tasks. This equipment not only has the cleaving stability required for production, but also the flexible adjustment feature needed for research and development.

Technical Specifications

Parameters	Specifications
Micrometer Head Type	Automation
Residual Cladding Length	2–50 mm
Display Screen	Touch Control
Cladding Cleave Size	80–1500 μm
Coating Size	80–2500 μm
Fiber Type	SM/MM/GDF/DF/PFC/Optical combiner/Fiber bundle/Glass tube
Cleave Method	Tension and scribe
Tension Range	Max: 5000 gf
Tension Accuracy	3 gf
Blade Steps	1.3 μm
Blade Material	Diamond
Cleave Angle Accuracy	Passive fiber $\leq 0.3^\circ$, Active fiber / PM fiber $\leq 0.5^\circ$
Clamping Method	Magnetism
Operating Power Supply	12V/DC, 5A
Operating Environment	Temperature: 0–40°C / Humidity: 5–95% RH
Dimensions (L × W × H)	240 × 140 × 150 mm
Weight	3.8 kg

Configuration and Type Selection

Holder Selection	80/125/200/250/320/360/400/500/550/750/1000/1250/1500/2000/3000µm / Customization
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Example: Holder selection can be configured according to the required fiber diameter.