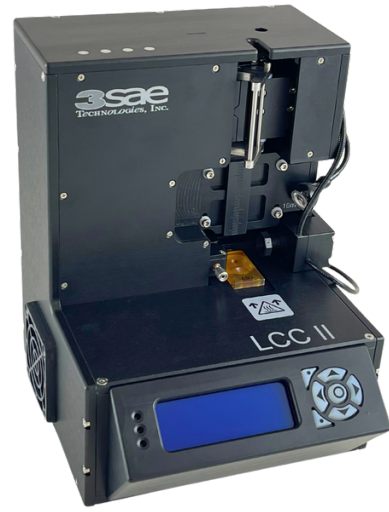


## 3SAE LIQUID CLAMP CLEAVER II-A LDF (LCC II-A)



The 3SAE Liquid Clamp Cleaver II-A LDF (LCC II-A) is the most advanced large diameter fiber cleaver for circular and shaped optical fibers from 125  $\mu\text{m}$  to 1000  $\mu\text{m}$ . The LCC II-A features angle cleaving with rotation up to 30°.

The primary cause of bad cleave angles is torsional strain in the fiber, induced by torque from conventional clamps. Our patented process features a torque-free clamping system, which uses a proprietary metal alloy ingot that melts at less than the boiling point of water. This is a lead-free, cadmium-free alloy ingot specially formulated to solidify around the optical fiber when cooled, providing torque-free clamping, even on non-round fibers such as Octagonal shape. The alloy ingot is depleted with use and can be easily replaced. These unique alloy ingots are available exclusively from 3SAE Technologies.

The LCC II-A optionally leverages an integrated manual backstop within the cleaver housing that provides enhanced cleave performance for structured fibers. Alignment of the blade, backstop, and fiber is achieved via the integrated vision system (requires PC USB connection). In addition to the best cleave quality obtainable, the on-board LCD provides real-time status and instructs the operator in the proper loading and cleaving sequence. The LCC II-A operates stand alone featuring ten customizable cleaving programs, allowing efficient transitions between different fiber diameters.

### Key Features: Liquid Clamp Cleaver II-A LDF (LCC II-A)

- Angled Cleaver with up to 30° of fiber rotation
- Cleave fibers up to 1 mm in diameter
- Circular and shaped fiber cladding compatible
- Lowest mean cleave angles available
- Lowest standard deviation available
- Fiber holder compatible (16mm)
- Extended blade life
- Integrated vision system for blade, backstop and fiber alignment
- Stores up to 10 programs
- PC USB connection required for integrated vision system

### Standard Package

Part Number	Product	Includes
CLV-01-0012	3SAE Liquid Clamp Cleaver II-A LDF (LCC II-A)	Includes power supply, USB camera, qty (1) ea - 125-350um/350-650um/650-850um/850-1100um fiber guide cones, 16mm fiber holder adapter, qty (2) spare LCC ingots (0.3 oz), measuring gauge, electronic user's manual, Manufacturer's 1-year parts and labor warranty

### Accessories and Consumables

Part Number	Product
ACC-01-0308	LCC II 125-350um Fiber Guide Cone
ACC-01-0309	LCC II 350-650um Fiber Guide Cone
ACC-01-0310	LCC II 650-850um Fiber Guide Cone
ACC-01-0314	LCC II 850-1100um Fiber Guide Cone
ACC-01-0129	LCC II Fiber Holder Adapter Plate (Fitel/Fujikura 16mm F/H)
ACC-01-0141	Power Supply 150W/12V (LCC/PWS)
CON-01-0005	LCC II Ingot (0.3 oz) (Pack of 10)
CON-10-0023	Diamond Tip Replacement Blade (CMS/LCC/LDS)

### Technical Specifications

Feature	Specification
Dimensions	188 (W) x 165 (D) x 245 (H) mm
Weight	8 kg
Power Source	Input: 100 - 240 VAC, 50/60 Hz Output: 12VDC, 12.5 A
Fiber Dimensions	125 $\mu\text{m}$ to 1000 $\mu\text{m}$
PC Interface- Camera	USB 2.0, Type A