



DATA SHEET

OpTek Systems LaserCleave™

Features

- Smooth finish, rapid, non-contact process
- Interchangeable port for different connector types
- Ergonomic, user friendly design and operation
- Precise and repeatable cut off length and cleave position

Benefits

- Eliminate unnecessary polishing steps reducing overall cost
- Repeatable Process with Zero Operator Dependence
- No core cracks or cleaving back into the ferrule
- Achieve polish friendly rounded end, no sharp corners or edges

Applications

- Optical fiber termination
- Single and Ribbon Fiber
- Telecommunications, Military, Aerospace, Datacomm & CATV

Also available:



Piranha EPO-TEK 353ND Epoxy



Call now to place your order:
1-866-899-7953



The LaserCleave™, provides the optimum, pre-polish cleave for BOTH single and multi fiber applications allowing for two step polishing of simplex connectors such as LC's or SC's, as well as, precision cleaving for Multi-fiber Ribbon Connectors such as the MTP/MPO and Prism.

OpTek's proprietary LaserCleave™ process cuts close to the ferrule end face eliminating all a 1um diamond and finishing film, saving on materials, time and equipment while improving your first pass yield.

With the elimination of operator variability in scribing, coupled with the dramatic savings in consumable and labor costs, the LaserCleave™ system offers the compelling return on investment considering it's benefits of cost savings, increased throughput and overall process improvement.



System Performance & Requirements:

Process Speed	Typical < 1 sec per fiber
Ferrule Protrusion	Typically < 40um
Repeatability	Typically ± 5um
Endface Quality	Hackle-free, no core cracks or chipping
Endface Geometry	Rounded end, no sharp corner or edges
Shards	Large capacity collection >1M fiber shards
Dimensions	Bench top (WDH) 26.8" x 19.9" x 9.6"
Power	Single Phase, 1.7kVA
Weight	77lbs



Programmable Color Touchscreen LCD



Fast Loading Fixture Design

LaserCleave™ System Platforms:

Part Number	Description
LaserCleave™-SP	Simplex Polish – 7° cleave angle ensures consistent 40µm protrusion
LaserCleave™-MT	Multi-Fiber, MT-RJ and Duplex – protect fibers from mechanical scribe breaks
LaserCleave™-LT	Ribbon – Cleave for LightTurn/PRIZM applications, Flat 0° cleave
LaserCleave™-STB	Stub – Cleaving fixed length and angle, customer specific fixturing required

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