

LaserCleave™ -1500

Improve performance, increase yield, reduce manufacturing costs



Tabletop Fiber processing tools for optical interconnect production.

Description

LaserCleave™ production tools from OpTek Systems are built around the technology that has been relied on in performance critical, volume production of optical fiber components since the mid 1990's.

Engineered to address the production of existing and a new generation of optical interconnects, in a compact and user friendly platform LaserCleave™ is designed to maximise productivity in connector manufacture.

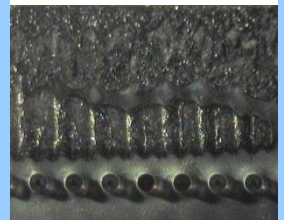
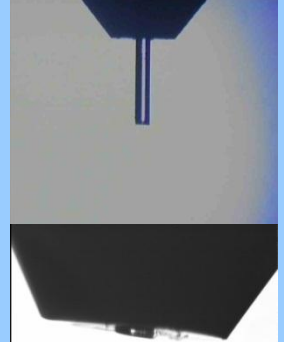
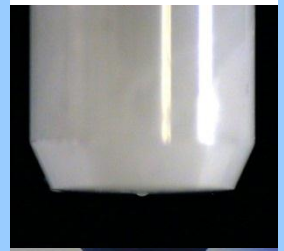


Features

- Interchangeable fixture for a wide range of connector types.
- Rapid, non-contact process
- Cuts fiber and epoxy close to pedestal
- Accurate and repeatable cut off length or cleave position
- Control over fiber end geometry
- No core-cracks, chipping, scratching or hackle
- Minimize or eliminate post cleaving operations
- Reduced overall cost of terminations

System Specification

- Electrical Supply: Single phase, 1.7kVA
- Cooling: Air cooled; Water cooling option
- Vision: Integrated viewing cameras
- Shards: Capacity collection >1M fiber shards
- Size (WxDxH): 756 x 505 x 245mm
- Weight: 35kg



Solutions for precision manufacturing - To learn more contact:



info@amstechnologies.com
www.amstechnologies-webshop.com



LaserCleave™-1500LT

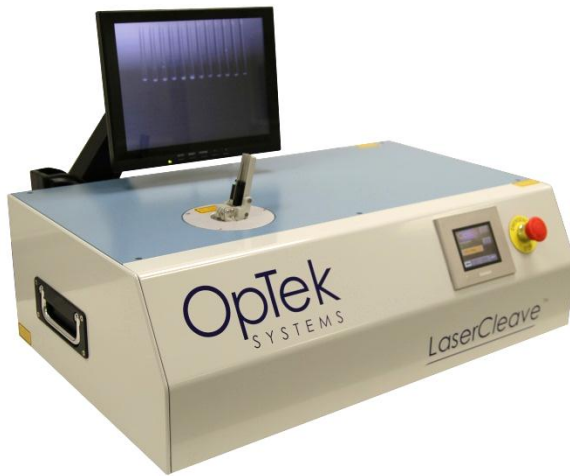
Improve performance, increase yield, reduce manufacturing costs

OpTek
SYSTEMS

LaserCleave™- 1500LT For the production of PRIZM® LightTurn® connectors

The LaserCleave™-1500LT is endorsed by US Conec for the preparation of optical fiber ribbons for use in the PRIZM® LightTurn® connector.

The LaserCleave-1500 is a flexible and easy to operate, production ready tool for the preparation of optical fiber and fiber ribbons prior to termination. The tool is easily configured for PRIZM® LightTurn® manufacture using the fixtures provided.

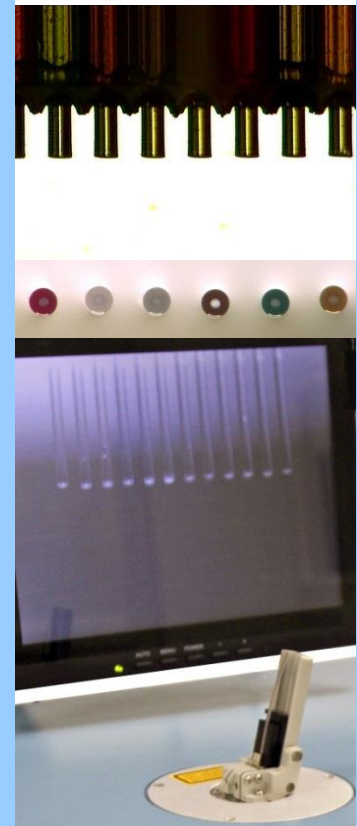


System Performance

- End face angle Typically $<2^\circ$
- End face ROC Typically $>200\mu\text{m}$
- Fiber flare/mushroom $<2\mu\text{m}$ increase in end diameter
- Co-Planarity $<20\mu\text{m}$ Maximum deviation
- Enhanced features Smooth finish, non-contact process
- Reliability No core cracks or cleaving back into ferrule
- Flexibility Optional adapters for other connector types
- Ergonomics User friendly design and operation

System Specification

- Electrical Supply: Single phase, 1.7kVA
- Cooling: Air cooled; Water cooling option
- Vision: Integrated viewing cameras
- Shards: Capacity collection $>1\text{M}$ fiber shards
- Size (WxDxH): 756 x 505 x 245mm
- Weight: 35kg



Solutions for precision manufacturing - To learn more contact:

Distributor

ams TECHNOLOGIES
where technologies meet solutions

info@amstechnologies.com
www.amstechnologies-webshop.com

Contact us 