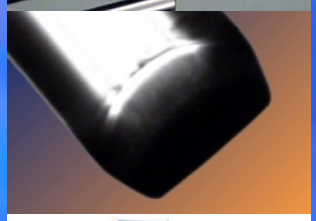
Contract Fiber Processing by OpTek Systems

Fiber processing services based in the UK and USA to meet your production needs – from proof of concept, through qualification to full volume production, consult the experts.

LaserCleave developed by OpTek Systems has been adopted globally to address the challenges faced in the production processing of optical fibers. LaserCleave uses precision laser technology to accurately and precisely create required features. The flexibility of the LaserCleave technology means that stripping, cleaving, and cutting a range of lenses, including wedge, conical and bi-conical types, can all be achieved from a common basic platform.



Laser Machining for precision production processing

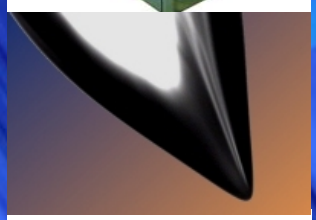
The advantages of laser processing fibers include:

- Rapid, non-contact process
- Accurate and repeatable feature positioning
- Precise control over fiber end geometry
- Range of end shapes from flat faces, possibly angled with respect to the fiber axis, to complex lenses
- No risk of chipping, cracking or scratching
- Superior optical quality end
- Foolproof and suitable for high levels of automation

Laser Cleave Machining Systems

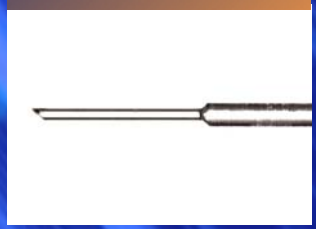
The LaserCleave range of machines from OpTek Systems is based on the following standard platforms:

- Simplex — 0->45° cleaving of single fibers
- Ribbon — cleaving ribbons and multi-fiber connectors
- Ferrule — close cleaving of fiber in ferrules & connectors
- Lens — precision cut conical lenses onto optical fiber
- Wedge — chisel tip cylindrical lenses and bi-conical lenses onto optical fiber
- Strip — rapid, precise removal of acrylate primary coatings



Added Value

Where the purchase of production line equipment is not appropriate for your business model or product requirements, LaserCleave Machining Services from OpTek Systems provide you with a cost-effective route to component production through contract manufacturing



Contact OpTek Systems today for more details on our fiber processing services or to discuss your specific production needs.

OpTek Systems

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