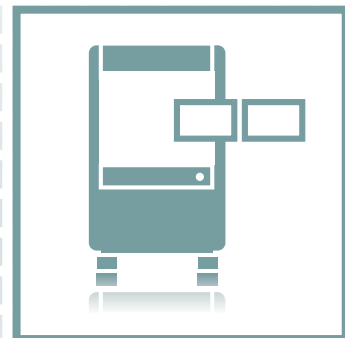


MACHINES
FiberLine

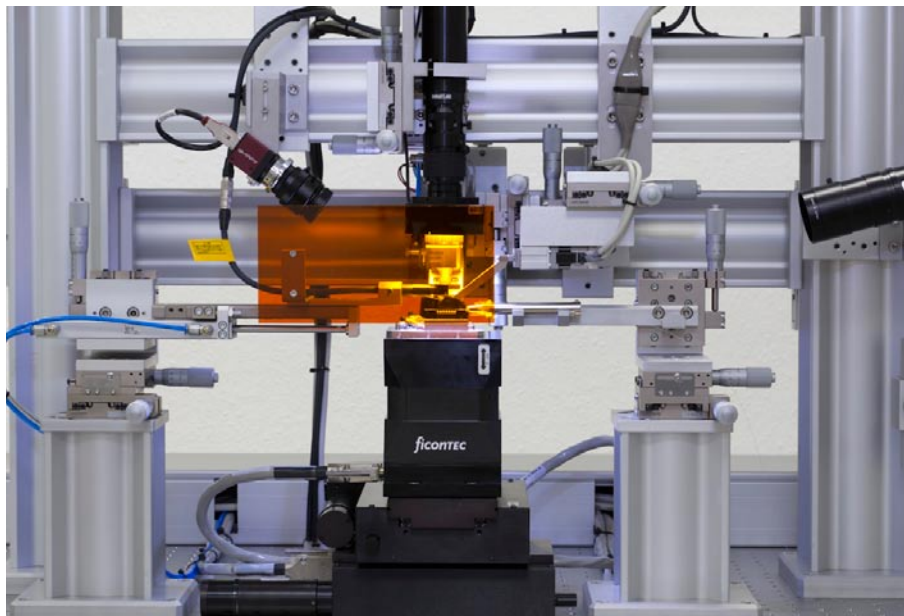




FiberLine - Micro Assembly Solutions for Fiber-optical Components

The FiberLine describes a product family of machines. All members of that family in some way handle fiber optic products. Especially the emerging technology of silicon photonics make heavy use of packaging equipment of that portfolio.

The fiber handling systems from ficonTEC are used in various stages of the fiber optic packaging process, e.g. fiber alignment, or pigtailing. Up to 16 axis, advanced machine vision, full integration of peripheral equipment such as welding lasers, power meters, laser drivers, dispensing systems, etc. are being controlled by ficonTEC's extremely powerful machine software.



Best Solutions for Best Practice

As a unique feature all ficonTEC machines offer a sophisticated component tracking throughout the entire machine process. All machines run the same machine software for easy operation and portability.

Applications

- + silicon photonics wafeguides
- + fiber ribbon cables
- + pigtailed optical modules
- + IOC coupling
- + FP and DFB laser coupling
- + fiber laser modules
- + optical transceiver
- + di-/triplexer
- + TOSAs/ROSAs



Highly versatile fiber alignment and packaging machine

Markets

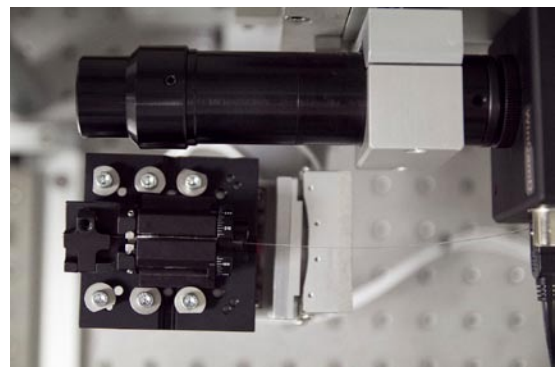
- + telecom/datacom
- + FTTx
- + silicon photonics
- + medical
- + defense
- + security
- + aviation
- + automotive
- + metrology



Fiber alignment in butterfly type packaging

Key Features

- + up to 16 degrees of freedom
- + choosable grade of automation
- + quickly adoptable to new products
- + active alignment
- + Auto Align
- + fast alignment algorithms
- + coarse pre-alignment
- + vibration isolated optical table



Top view of alignment stage with optical module



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