

Metal Component Processing for Optical Modules

The technical characteristics of optical module PCBs are therefore mainly reflected in gold finger processing technology, high-speed material selection, and critical thermal management ...

It primarily focuses on the manufacturing of elements from optical glasses, covering the entire workflow from the creation of the glass melt and annealing to the production of blanks, followed by generation, ...

Precision glass molding technology and precision optical plastic injection molding technology have widely become the current main processing methods for the rapid replication due to the high volume ...

Working on a build-to-print basis or as part of your design team, we specialize in the integration of optical components into mechanical assemblies and electro-optic systems.

Fraunhofer IOF develops and manufactures optical components and systems based on metal materials, ceramics, or optical glasses.

Finishing optical components with plasma is emerging as a new trend in advanced manufacturing to provide precise and accurate substrates. The plasma process is a relatively recent ...

This solution incorporates Ultra-Precision Machining (UPM) features specifically designed for optical components, supporting processes such as grinding, diamond cutting and fly cutting.

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Gold wire ball welding in the production of optical modules in the two most common applications, one of which is applied to the TO-CAN processing, the other is the COB processing ...

The present investigations focus on the description of a process chain for the manufacturing of metal mirrors and metal housings for optical systems as telescopes or spectrometers for space applications.

Optical component machining solutions delivering precision CNC machined parts for optical, photonics, and imaging applications.



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