



# Quartz Inspection Tool (QIT)

Compact Inspection Tool for Quartz Block Inspection



nLIGHT has developed a unique system for the inspection of QBH and LLK-D optic cables. Equipped with a high-resolution camera, special lighting configurations and specialized software, the QIT is a helpful tool to identify debris or defects on the quartz surface that may lead to failure of the fiber.

Developed by nLIGHT's optical engineering team, the innovative QIT is easy to use and has proven extremely useful in a variety of applications.

## Key Features & Benefits

- **Novel Optical Design**  
Proprietary optical design allows camera to view the quartz block at an angle but capture images that are in focus across the entire field of view
- **Access for cleaning the quartz block**  
Allows for cleaning prior to assembly into cutting head
- **Compatible with different industrial fiber cables**  
Connector allows use with QBH or LLK-D head types
- **Dual Illumination**  
Switchable Bright or Dark Field illumination at different angles to maximize brightfield color contrast on the surface that enables easier identification of burns or debris
- **High Resolution Camera**  
Increased fidelity allows rapid identification of contaminants
- **Controlled by USB Interface**  
Entire device powered from USB making it easy to connect in manufacturing environment

To request an inspection tool, email [sales@nlight.net](mailto:sales@nlight.net).