

PHOTONICS spectra®

PRODUCT SPOTLIGHT

Pharma & Medical

OE products for Pharma & Medical Industries



WHY OPTO ENGINEERING?
We offer imaging components tailored for a wide variety of pharma quality control needs: standard and special lenses, lighting, cameras, controllers and machine vision software.
With at least 20 years of experience in the machine vision field, we can closely cooperate with you and bring our technical expertise at your service to assist you in finding the best product combination for your application.
All the solutions listed below are just examples of successful quality control approaches in the pharmaceutical industry. **Contact us to discuss your needs!**

SYRINGE NEEDLES INSPECTION & MEASUREMENT

Needle 3D dimensional gauging

Our TCC4000 refractive lens and STBC LED backlight, together with SIVIS software, accurately measure critical dimensions of the needles by:

- NEEDLE TYPSET ANGLES
- NEEDLE DIAMETER
- NEEDLE LENGTH

The needle angle by our detector are accurately measured with our SIVIS software.

Our TCC4000 multi-view refractive lens can be customized with 5.5 x magnification and two 10° views for needle measurement (eg. 37 mm needle height and 4 mm by legs).

The combination of light and lens can be precisely aligned on the optical axis of a single lens.

Needle tip inspection

Our PCIP optics is designed for the imaging of small tapered objects from multiple angles with a single camera system to perform:

- QUALITY DIMENSIONAL REQUIREMENTS
- BUBBLE DETECTION
- MARK DETECTION

PCIP can be customized to use smaller fields of view, such as 0.10 mm diam x 1.30 mm height needle tips.

Special purpose optics TCC4000 multi-view lens.

www.opto-e.com

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Download the data sheet for more information.

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