

# 3D Inspect

Your fully automated inspection system



Welcome to a new era of quality control and inspection in manufacturing! Our innovative solution, **3D Inspect** combines intelligent confocal **3D line sensors** with **LMIs powerful Gocator** system, providing GMP / 21 CFR-Part 11 compliant evaluation from **OCTUM**. All these advanced technologies are seamlessly integrated into a comprehensive **Pharmabotix solution**.

The industry's first confocal line sensors enable high-resolution inspection of **complex material structures** such as **curved, transparent, reflective, multilayered**, and various other surfaces – with sub-micrometer precision and at a level of quality and speed that surpasses competing confocal technologies.



**automatic  
part handling**



**smart 3D line  
confocal sensors**



**optimal for the most  
difficult surfaces**



**intuitive HMI and compliant  
with GMP/CFR 21**



**easily configurable  
and expandable**



Pharmabotix



LMI TECHNOLOGIES

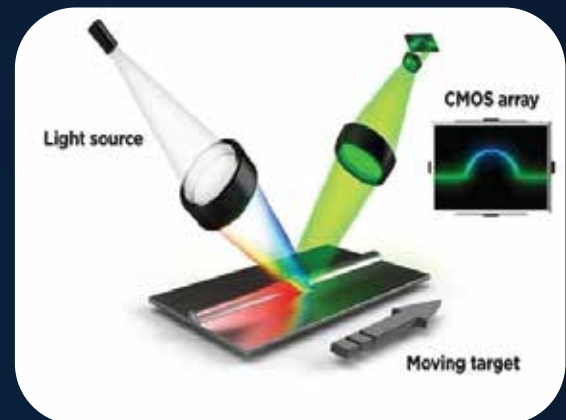
## Modules: Tailored to your needs



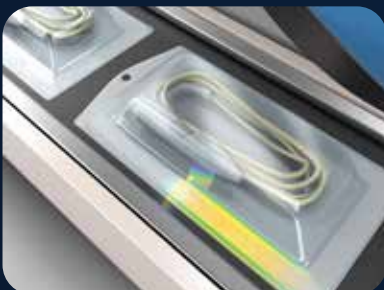
- **Robotics & automation:** From simple part handling up to fully automated machines incl. de-/palletizing
- **Feeders** Bowl-feeder, flexible feeders with camera systems, stacker / destacker
- **Marking systems** Lasers, labeller, printers, inkjets, etc.
- **Sensors & cameras** Full range of **actum** sensor & camera systems
- **Transport systems:** Conveyor, linear axis, magnetic shuttles, AGV & mobile Robots

- Simultaneously generates 3D topography, 3D tomography and 2D intensity data
- Up to 8 stacked surfaces in one scan
- Usable for curved, transparent, reflective, multilayered, and various other surfaces and products
- X resolutions 9.9  $\mu\text{m}$
- Z repeatability 0.25 $\mu\text{m}$
- FOV 17mm

## Gocator 5516 Sensor



## Examples



Medical seal integrity inspection



Weld seam inspection (tab, liquid injection port, etc.)



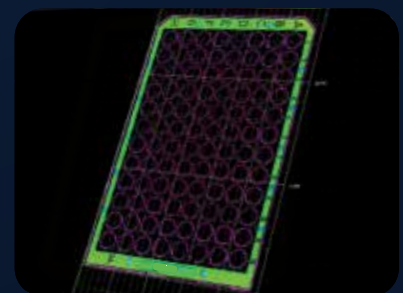
Transparent / translucent film thickness measurement



Surface roughness measurement



Wafer dimensioning, sorting, defect detection



Inspection of transparent, colored or reflective parts