

Active alignment, assembly and testing of camera modules and LiDAR systems

Polaroptics Oy & Trioptics GmbH

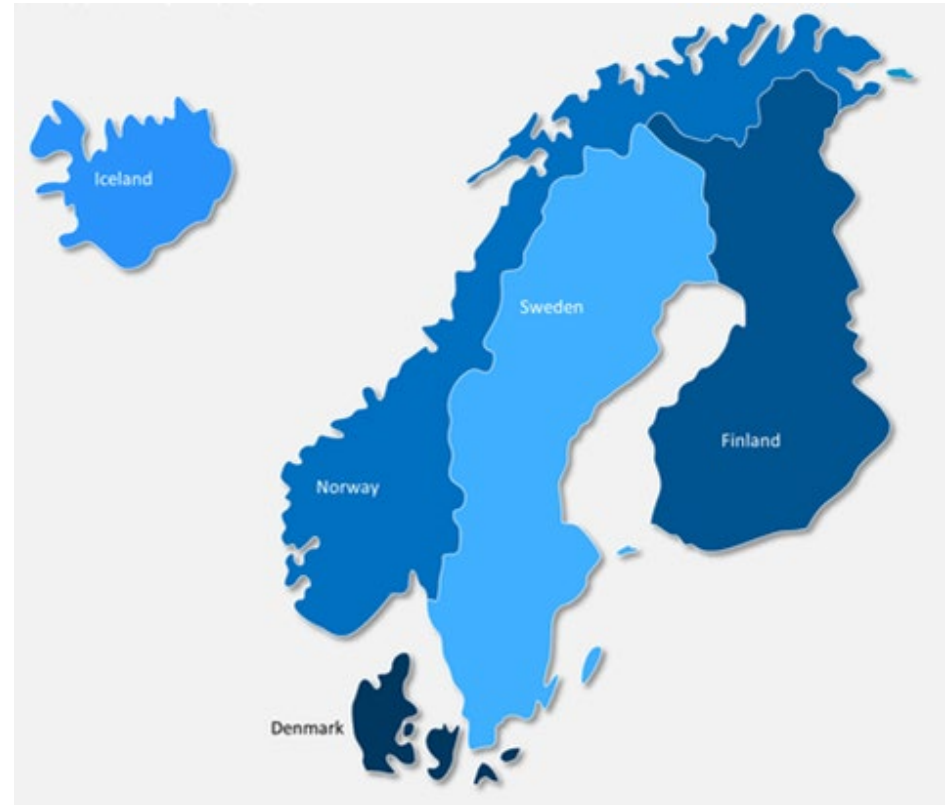
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TRIOPTICS is expanding to Nordic countries

TRIOPTICS Scandinavia Oy
established May 27th

- Established in Finland, with market focus on the nordics
- Sales and technical support with R&D capabilities
- Consulting partnership with Polar optics



ProCam[®] Align Smart



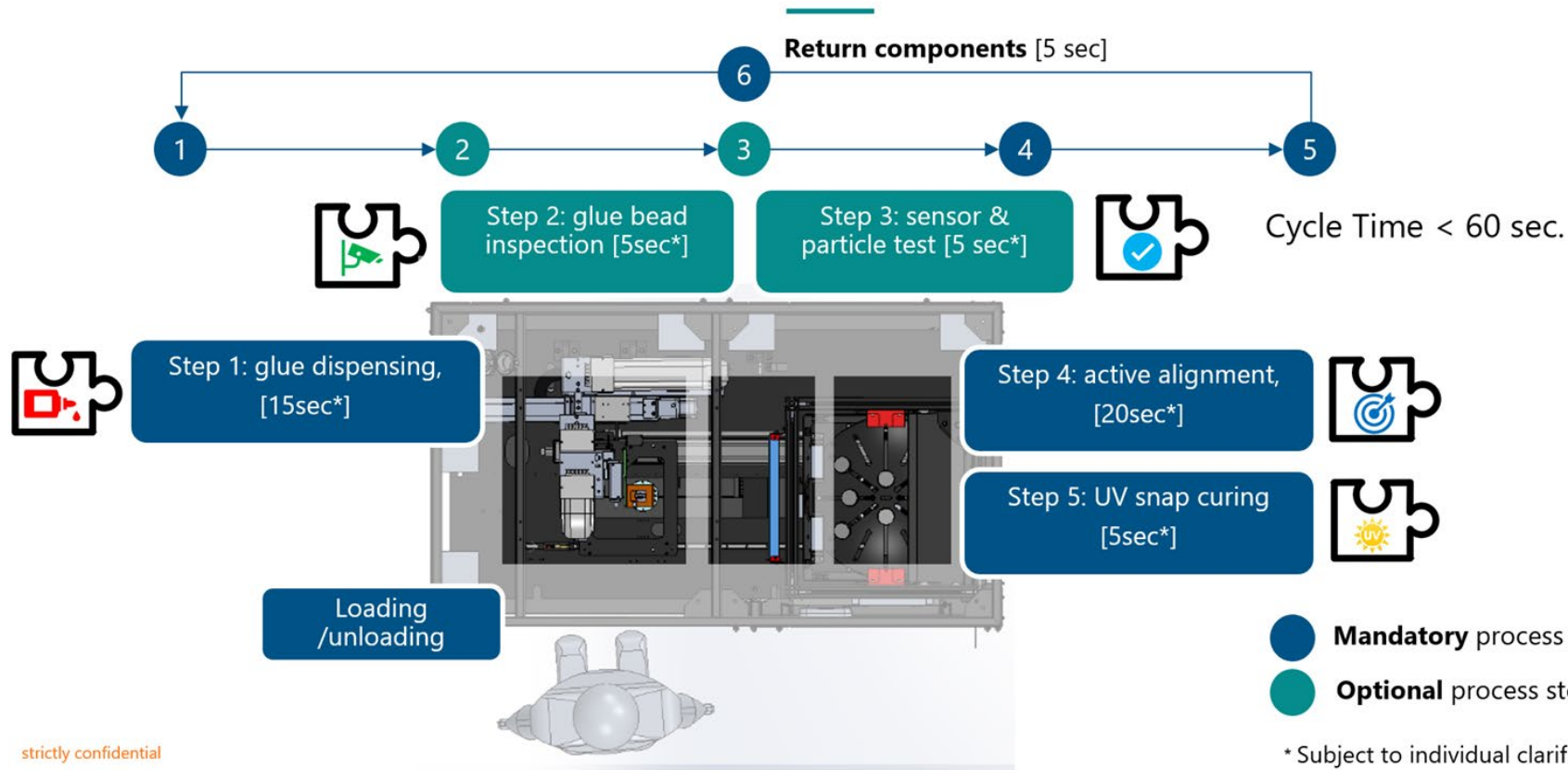
Main Features:

- Automated process for manufacturing of camera and LiDAR modules and light engines for AR/VR
- Optimized system for low to mid volume production
- Up to 6 degrees of freedom
- Active alignment of wide-angle optics up to FoV 140° (FoV up to 170° possible after individual clarification)
- Multi-Camera Alignment
- Clean Room compatible
- Versatile and Flexible:
 - Exchangeable WPC concept
 - Scriptable process

<https://www.trioptics-academy.com/web/alignsmart/>

<https://trioptics.com/wp-content/uploads/2021/03/ProCam%C2%AE-Align-Smart-Flyer-Web.pdf>

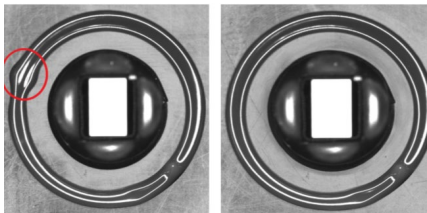
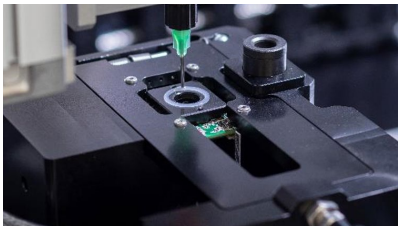
ProCam[®] Align Smart Instrument Overview



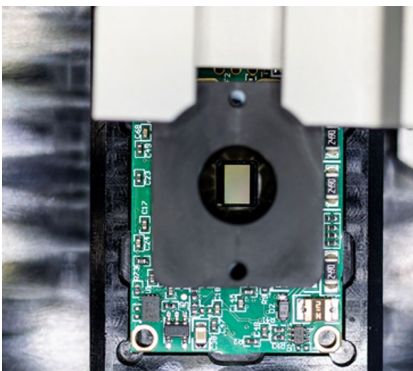
strictly confidential

* Subject to individual clarification

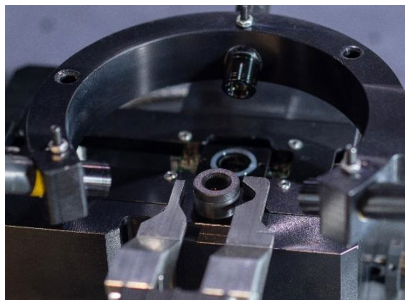
Glue dispense and inspection



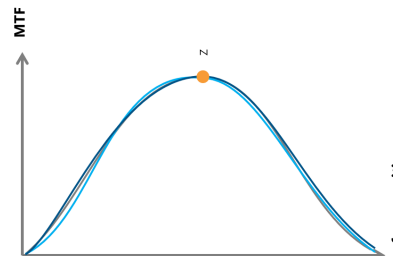
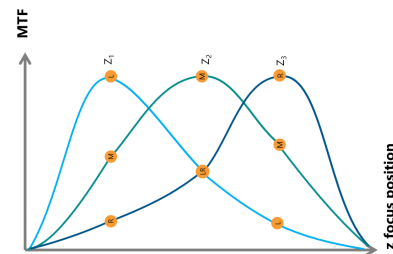
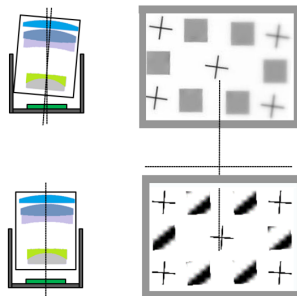
Sensor particle test (upgrade)



Active alignment



(5 DOF: x, y, z, Rx, Ry)
(6 DOF: x, y, z, Rx, Ry, Rz)



Consistent image
quality from lens to lens
and module to module

AR/VR Component & Module Test @ Trioptics

