



ZC-PRISM

Closure Inspection & Rejection

High efficiency solution!



The new Zalkin **Pre-Inspection & Sorting Module** has been developed for high speed detection and rejection of defective caps. The module can be integrated on new lines or retrofitted to existing lines.

The ZC-Prism is ideal for multiple industries and applications using flat caps.

FEATURES AND BENEFITS

- Designed for flat plastic closures
- Up to 2,000 cpm (120,000 cph)
- Fully integrated into the Zalkin capping system between cap orienter and capper
- Capable of detecting multiple types of defects and rejecting defective caps
- Full control with on board PLC and HMI
- Increased line efficiencies
- Reduced product and packaging waste
- Robust and easy-to-maintain design



Cap diameter range	From 20 to 50 mm
Cap height range	From 5 to 40 mm
Layout	Modular (left/right or right/left)
Cap feeding orientation	Open side up
PLC	Standard Siemens S7-1200
Embedded HMI	Siemens panel PC IPC277
ZC-Prism dimensions	1,300 x 1,500 x 700 mm

Integrated in Zalkin closure delivery system:

- Between cap orienter & capper
- Between cap orienter & buffer

**Inspection:**

- Single camera station (oriented in vertical and perpendicular or transversal)
- Cap defect detection includes mis-shaped, deformed, color variation or upside down caps; missing tamper band, deformed plug seal and contaminants
- Other defect detection modes available for specific applications

Options:

- Quick-release (QR) cap guides
- Second camera station
- Siemens PLC S7-1500 Standard OPC-UA
- Rockwell Automation Controls + UL

