

FLEXPECT-PICKING



FlexXpect is a modular Vision platform. In combination with the powerful Xpectia hardware, it takes you into a new dimension of specialisation.

FlexXpect-Picking delivers tailored functionality for accurate positioning and alignment for high speed pick & place applications.

Features of FlexXpect-Picking:

- Easy and guided setup using the Application Wizard
- Simple auto-calibration with the picker
- High speed cameras and positioning algorithm
- Simultaneous quality inspection
- EtherCat, EtherNet/IP, TCP/IP



Shape based object positioning:



Separation of attached objects



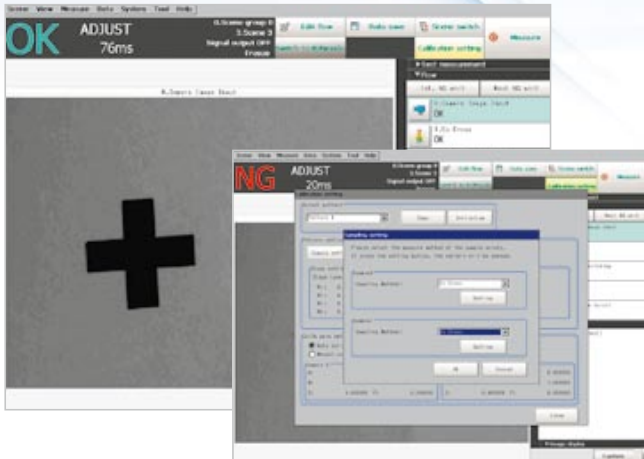
Detection of partially hidden objects



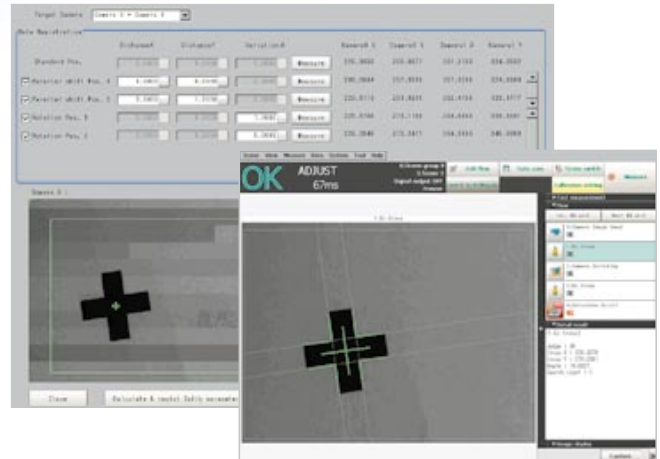
Compensation of rounded or broken edges

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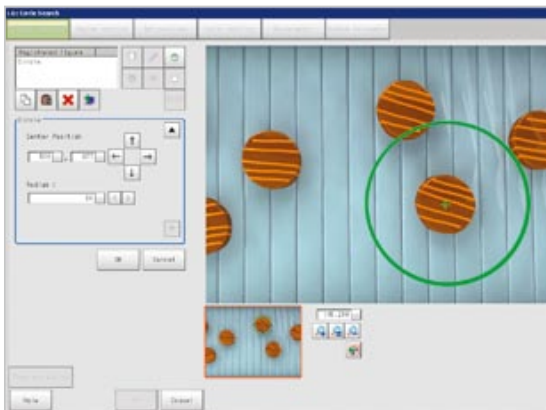
Easy setup and calibration:



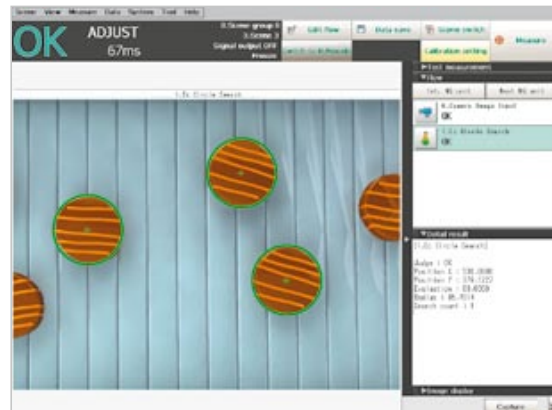
Step 1: Select and teach the calibration target



Step 2: Move the calibration target into defined positions and create the calibration parameters automatically



Step 3: Teach the work piece



Step 4: Start inspection

Alignment and quality inspection in one system



Inspection of scratches and defects



Detection of dirty or overlapping objects



Edge and corner breakage inspection

Item description	Order code
FlexXpect-Picking software module	FLEXPECT-Picking

Note: FlexXpect software modules require Xpectia/FZW hardware. This is not part of the item and needs to be ordered independently.