



PAQi Object Detection for Parts Presence

Screws, Flat Washers, Spring Washers, Screen, and Brackets

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Over 20 components verified for presence on a 6ft wide grill using one camera – note the chrome finish.

Advantage Over Other Systems

- One camera can be used at a long distance from the part to clear the area for assembly.
- Traditional systems are unable to detect small objects on a chromed background.
- Our system is able to detect small objects anywhere in the field of view regardless of rotation or left to right positional differences.
- One trained model can be used for the left and right side as well as two different assembly fixtures with slight differences in camera angle and fixturing.
- No special lighting is required.
- Cost of system is significantly less than traditional systems that would require up to 15+ smart cameras at \$1500/camera plus integration.