AIDIS 100QC

SMD Component Inspection

Features

Perform final inspection including color spots and component labeling for incoming SMD materials.

SMD component

  - Object dimensions: Length, width, height

  - Identification of marking code

  - Number and color spots

Local file archiving, cloud-based AI modeling, and training

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SMD Component Inspection

Vision System

Method	Visual recognition and comparison through AI model
Camera	26M color camera
Lighting	White LED Light

Inspection Performance

Time	Inspection results will be available in 10 seconds.
Accuracy rate	Above 95%

Target Application

Max SMD Size	50*50 mm
Minimum SMD Size	2*3 mm
SMD Height Range	0.3-10 mm

Functions

Inspection	The marking code and color spot on the SMD component, as well as its dimensions.
Reconfirmation	Yes

Industrial computer

PC	ASUS industrial grade edge server
OS	Windows

Dimensions

WxHxD	450mm(W) * 620mm(H) * 350mm(L)
Weight	45 kg