

UPKTECH TECHNOLOGY LIMITED

2nd Floor, Building 2, No. 5, 8th Road, Songgang Street, Bao'an District, Shenzhen, Guangdong

Tel: +86 138 2525 8612 Postcode: 518105

AOI450 UPKTECH- Coating AOI Machine

I. Description

AOI automatic inspection equipment: AOI

(Automatic Optic Inspection) is the full name of
automatic optical inspection. It is a device based on
optical principles to detect common defects
encountered in welding production and three-conformal paint
coating. It uses high-speed and high-precision visual
processing technology to detect the spraying effect of batch
glue (with fluorescent agent for inspection) on PCB boards.

II. Technical Parameter

Equipment dimensions L*W*H	L=1060mm, W=1600mm, H=1700mm
Equipment platform	T20mm steel plate ground and chrome plated
Control method	Industrial Control Computers + Motion Integrated Control Boards
Operating software	Self-developed control software + Windows system
Programming method	Manual teaching (mouse, keyboard set)
Number of running programme stores	1000 or more
PCB transmission height	910±20mm
PCB Edge Space	≥5mm
Transport speed	The stepper motor independently controls the chain
Transport speed	speed to achieve variable speed control and ensure no collision of the product.
Transmit motor power	1
	collision of the product.
Transmit motor power	collision of the product. DC24V 69W*2 stepper motor
Transmit motor power Conveyor rail width	collision of the product. DC24V 69W*2 stepper motor The amplitude modulation range is: 50-450mm



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Adjustment method	Intelligent electric adjustment
Adjust drive mode	Stepper motor + double precision screw drive
X.Y.Z Three-axis drive method	Servo motor + precision screw module drive
X.Y.Z Three-axis maximum speed	800mm/s
X.Y.Z Three-axis repeatability	±0.02mm
Gate port	SMEMA Connector
Camera and lens types	1 dedicated CMOS color camera, 5 million pixels, with 16mm lens
Camera light source	2 sets of light sources (blue and ultraviolet)
Detection type	Can detect the boundary of the effect of three-proof spraying, but not the thickness.
Lighting part	Equipment comes with lighting source
Equipment total power	AC220V 50Hz
Total equipment power	1.8KW
Total equipment weight	About 600KG