

EQUIPMENT SPECIFICATION

设备规格书

EN-260 Alignment Machine
 High-precision alignment of the cover plate and the screen before OCA vacuum bonding



Alignment accuracy

±5 μm

Machine size

480×500×350 mm

Net weight

≈23 kg

Screen size

2.4 - 7.9 inch

Power supply

AC 220V 50/60Hz

Power

300 W

1. Structural Specifications

Body material	Imported aluminium, flatness ±0.02 mm, anodised
Machine size	480 × 500 × 350 mm
Air supply	0.4 - 0.6 MPa
Power supply	AC 220V 50/60Hz
Power	300 W
Alignment accuracy	±5 μm
Net weight	≈ 23 kg
Working platform	170 × 80 mm
Suitable screen size	2.4 - 7.9 inch

2. System Configuration

	Item	Description	Remark
Control system	Built-in PLC		

	Item	Description	Remark
Alignment system	Vision system	ZJWY alignment system	
	3× zoom lens		
	HD CCD	ZJWY	
	8-inch HD display		
Adjustment mechanism	Screen fixing	Vacuum adsorption	
	Cover plate fixing	Vacuum adsorption	
	Screen platform adjustment	Angle adjustment	External vacuum pump
	Cover plate platform adjustment	XY adjustment	
	Cover plate platform flip	Manual	
Actuator	Lifting cylinder	AIRTAC cylinder	
	Linear motion control	Precision linear bearing	
	Pneumatic components	CKT solenoid valve	
	Cover plate platform locking	Electric magnetic chuck	
Safety	Leakage protector	16A	
	15A fuse		

3. Key Features

- Benchtop, compact and lightweight; fits inside a clean bench, ideal for small-batch repair.
- HD visual imaging, precise alignment, simple setup.
- Vacuum adsorption holds the parts firmly and keeps the screen flat.
- Replaceable fixtures; supports frame-mounted bonding alignment, back-side bonding and FOG alignment, with room for more applications.
- Fixtures come with positioning, easy to replace.



Overall Dimensions



Main Components