

High-Speed Chip Aligner

OVH-2011

Randomly supplies delicate workpieces (supply by part feeder not allowable) and accurately places them on the collection tray at high speed after aligning the workpiece direction.



Features

1) “Super high speed”

Employs two sets of suction heads (nine nozzles) to pick and place a large number of workpieces by a sequential operation.

2) Okano’s unique image processing technology allows the randomly put chips to be searched at high speed and accurately placed after position correction.

3) Damage-free.

Okano’s unique pickup technology minimizes damages to the workpieces.

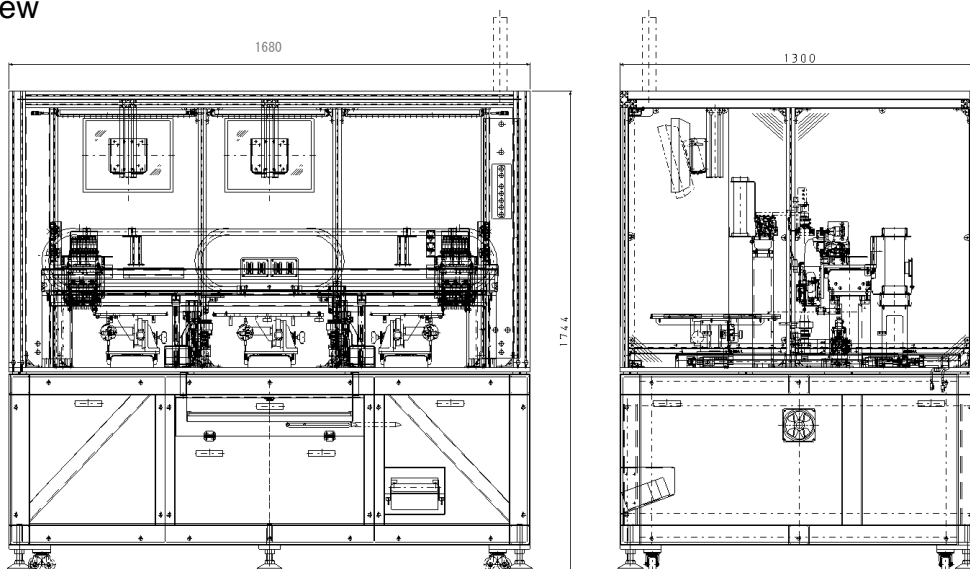
4) The “adaptive learning software” greatly improves the reproducibility by following the lot differences.

5) “CPU+GPU core processing distributed parallel processing” improves the throughput very much.

Specifications

No	Item	OVH-2011 (High-speed model)	OVH-2060BS (Model supporting small chips)
(1)	Head	2 sets	1 set
(2)	Nozzle	12 nozzles (6/head x 2) 18 nozzles (9/head x 2)	4 nozzles/head
(3)	X-axis	2-axis linear motor	Ball screw
(4)	Y-axis	Ball screw	Ball screws
(5)	Image processing camera (330,000 pixels, monochrome)	2 for search (upper) 2 for position correction (lower)	1 for search (upper) 1 for position correction (lower)
(6)	Placement accuracy (X and Y)	± 50 μm	± 50 μm
(7)	Processability	0.2 seconds/workpiece (9 nozzles) 0.25 seconds/workpiece (6 nozzles)	0.8 seconds/workpiece (4 nozzles)
(8)	Supported chip size	□2.0 mm or larger	□0.5 mm or larger
(9)	Option	Outer appearance inspection, characteristic inspection, taping support	Same as left
(10)	Machine dimensions	1,680 (W) x 1,300 (D) x 1,750 (H) mm	850 (W) x 800 (D) x 1,350 (H) mm
(11)	Machine weight	700 kg	400 kg
(12)	Control mode	PC control	Same as left
(13)	Utility power supply	200 VAC, 3 phases, 50/60 Hz, 30 A Air: 0.5 MPa	Same as left
(14)	Use environment	Temperature: 25 U 10°C; Humidity: 50 ± 20%	Same as left
(15)	Machine color	Munsell 10Y7/1 (baking finish)	Same as left

External View



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