

SMALLSMT

Wenzhou SMALL Technology co. ltd

VP-2800HP-CL64-4R



PROFESSIONAL PICK AND PLACE MACHINE PROVIDER



V1.0
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www.smallsmt.biz

Company registration number: 91330381MA285PEJ8R, Address: 202 B,Nan Bingjiang Building, Xinfeng Village, Feiyun Town, Rui'an City, Wenzhou City, Zhejiang Province, China 365207

Parts delivered

Full working machine including:

push feeder, pcb holder, vision system 2x USB2 3MP cameras, 1x USB3 1,3MP bottom camera, small spare parts, 2 pcs spare stepper controller, machine calibration on DVD, manuals and software setup need to get downloaded from website, big IC tray, USB to serial converter.

Optional:

Nozzles, vibration feeder, CL feeder cassettes, Bottom camera upgrade to 30x30mm, strip feeder Conveyour option

Product parameter	
Model	VP-2800HP-CL64-4H
Mounting area	350x300mm maximum 600x400mm
XY moving range	665x655mm
Z moving range	20mm
Number of heads	4
Resolution XY, Z, A	0.025mm, 0.025mm, 0.0125° (360°) placement pitch ≥ 0.45 mm
Motor type	AC Servo Leetro 400W / 1000W
Positioning mechanics	Ballscrew system HIWIN 0,03mm precision over 300mm travel
Machine guide lines	HIWIN linear guide lines
Positioning system	Closed loop encoder coupled to ballscrew spindle
Placement speed with vision	2000 to 4500cph
Nozzle changer	not possible
Nozzle type	Samsung CP45 NEO
Vision system	1 top and 2 bottom USB cameras using different optics
Alignment modes	area centering and vision model based assistance
Placement range	0201 to 24x24mm optional 30x30mm
Feeder types	Push feeder, CL feeder, vibration feeder, strip feeder, trays
CL Feeder slots	2x 32x 8mm cassettes slots South / North total 64 CL feeder slots
Push feeder count	35x 8mm lines (not possible if conveyour installed!)
Vibration feeder	Optional 4x vibration feeder using each 7x SO-8 tubes width
JEDEC Tray	2x Jedec tray holder included
Dispenser Option	not possible
Machine dimensions	1300x1100x570mm
Machine weight	185kg
Shipping weight	235kg
Shipping size	1380*1190*750mm
PCB Transport	Optional 3 Zone conveyour including 2 side SMEMA interface
Power supply	AC 230V / 110V
Air supply	External oil and water free 110L/min at 6Bar Integrated 3 pressure regulator for push feeder, vacuum generator and CL feeder bank
Warranty	12 Months parts exchange including shipping fee excluding consumables like nozzles and belts.

Customer need to exchange parts on machine.

For detailed pictures and videos please visit our website.

Camera specifications

	Top camera	Bottom camera 1	Bottom camera 2
Model	UB300C	SUA134GC-T	UB300C
USB type	USB2.0	USB3.0	USB2.0
Sensor	1/2"CMOS	1/2"CMOS	1/2"CMOS
Shutter type	Rolling shutter	Global shutter	Rolling shutter
Camera Type	Color camera	Color camera	Color camera
Pixel size	3.2X3.2μm	4.8*4.8μm	3.2X3.2μm
Picel count	3MP	1,3MP	3MP
Resolution + frame	2048X1536@12.8FPS	1280X1024@241FPS	2048X1536@12.8FPS
Color depth	10bit	8bit	10bit
Sensitivity	1.0V/lux-s 550nm	7.3V/lux.s 540nm	1.0V/lux-s 550nm
Acquisition mode	Continuity/soft trigger	Continuity/soft trigger/hard trigger	Continuity/soft trigger
Focal length	12mm (distortion 1%)	12mm (distortion 1%)	12mm (distortion 1%)

This machine has high speed camera system and can adjust 4 heads at the same time!

If the optional PCB conveyor is ordered no push feeder is possible in this machine!