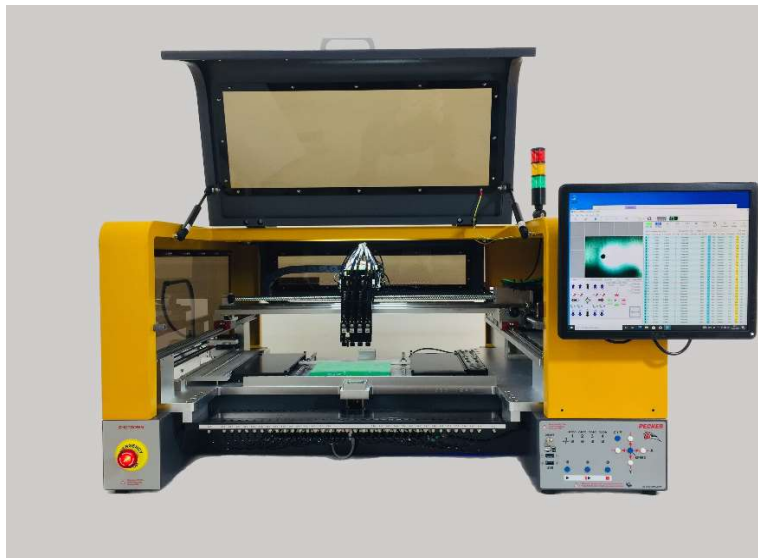


SMALLSMT

Wenzhou SMALL Technology co. Ltd

Pecker



PROFESSIONAL PICK AND PLACE MACHINE PROVIDER



V1.02
25.07.2022

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:

3-Zone conveyor, vision system 2x USB2 3MP cameras, 1x USB3 1,3MP bottom camera, nozzle changer small spare parts, 2 pcs spare stepper controller, machine calibration on DVD, industrial PC inside, manuals need to get downloaded from website, Software installed, 5 free nozzles.

Industrial PC inside I5 Windows 10 plus 17" TFT, Keyboard, Mouse

Optional:

Nozzles, CL feeder cassettes

Product parameter

Model	Pecker including industrial Windows 10 PC, I5, WLAN
Mounting area	350x300mm maximum 600x400mm (using custom PCB holder)
XY moving range	665x655mm
Z moving range	32mm , Z-axis sensor tip included
Number of heads	4
Resolution XY, Z, A	[X]0.01mm, [Y] 0.01mm, [Z] 0.0083mm, [A] 0.03125° (360°) placement pin pitch >= 0.35mm
Motor type	AC Servo 600W / 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 5500cph
Nozzle changer	19 slot nozzle changer
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, closed loop
Placement range	0201 to 40x40mm
Feeder types	CL feeder, trays
CL Feeder slots	2x 32x 8mm cassettes slots South / North total 64 CL feeder slots
Push feeder count	35x 8mm lines
Vibration feeder	up to 3 vibration feeder possible
JEDEC Tray	2x Jedec tray holder included
Dispenser Option	Option on head 4
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
Air supply	External oil and water free 110L/min at 6Bar Integrated 3 pressure regulator for push feeder, vacuum pump 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.

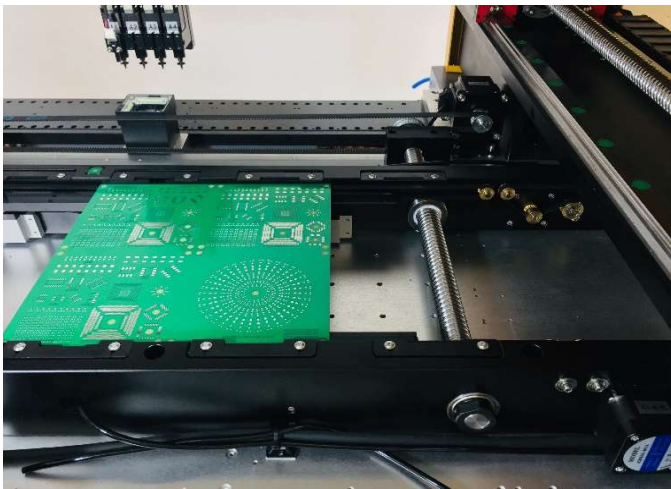
For detailed pictures and videos please visit our website.

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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 8 heads at the same time!



Optional 3-zone conveyor unit



Optional dipping station

Optional SMEMA compatible connectors for synchronisation on input and output side!



New Z-axis sensor included to measure pickup height