

# SMALLSMT

Wenzhou SMALL Technology co. Ltd



**PANDA PRO**

**SMALLSMT**  
YOUR SOURCE FOR SURFACE MOUNTED TECHNOLOGIES

- Z 20mm
- V3 Controller
- Ethernet
- CAN
- UPDATE Firmware Software
- HQ Parts used
- Service friendly
- Industrial PC inside
- High Precision
- HD Cameras
- Feed Back Alignment
- BGA Alignment Modes
- Fly-By Alignment
- Z-Axis Sensor
- 6 Slot Nozzle-Changer
- AC Servo 0.01mm Resolution
- Auto Calibration Functions
- Up to 22 CL Feeder
- 72 Push Feeder
- one Vibration Feeder
- Tray Feeder

2 Heads    42x8, 19x12mm  
2000-3500 cp/h    9x16, 2x24mm

PROFESSIONAL PICK AND PLACE MACHINE PROVIDER



V1.1  
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[www.smallsmt.biz](http://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 3 cameras, USB video digitizer, Ethernet cable, small spare parts, machine calibration on DVD, manuals and software setup need to get downloaded from website.

### Optional:

Nozzles, Tray, Bottom camera upgrade to 30x30mm, strip feeder, embedded industrial PC

## Product parameter

<b>Model</b>	SMALLSMT PANDA PRO
<b>Mounting area</b>	320x320mm
<b>XY moving range</b>	430x510mm
<b>Z moving range</b>	20mm
<b>Number of heads</b>	2
<b>Resolution XY, Z, A</b>	0.01mm, 0.01mm, 0.0125° placement pitch >=0.65mm
<b>Motor type</b>	High torque stepper on X/Y-axis
<b>Positioning mechanics</b>	Belt system
<b>Machine guide lines</b>	HIWIN linear guide lines
<b>Positioning system</b>	Stepper motors
<b>Placement speed with vision</b>	2000 to 3500cph
<b>Nozzle changer</b>	6 slot
<b>Nozzle type</b>	Samsung CP45 NEO
<b>Vision system</b>	1 top and 2 bottom 640x480 CCD cameras using different optics
<b>Alignment modes</b>	area centering and vision model based assistance
<b>Placement range</b>	0402 to 24x24mm optional 30x30mm
<b>Feeder types</b>	Push feeder, strip feeder, trays
<b>Push Feeder count West</b>	28x 8mm lines
<b>Push Feeder count East</b>	7x 8mm, 9x 12mm, 4x 16mm, 1x 24mm lines
<b>Push Feeder count North</b>	7x 8mm, 10x 12mm, 5x 16mm, 1x 24mm lines
<b>JEDEC Tray</b>	1x Jedec tray holder included
<b>Z-Axis Sensor Tip</b>	Included
<b>Machine dimensions</b>	975*836*432mm
<b>Machine weight</b>	73kg
<b>Shipping weight</b>	115kg
<b>Shipping size</b>	1110*830*620mm
<b>Power supply</b>	AC 230V / 110V
<b>Air supply</b>	External oil and water free 110L/min at 6Bar Integrated 3 pressure regulator for push feeder, vacuum generator
<b>Warranty</b>	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.