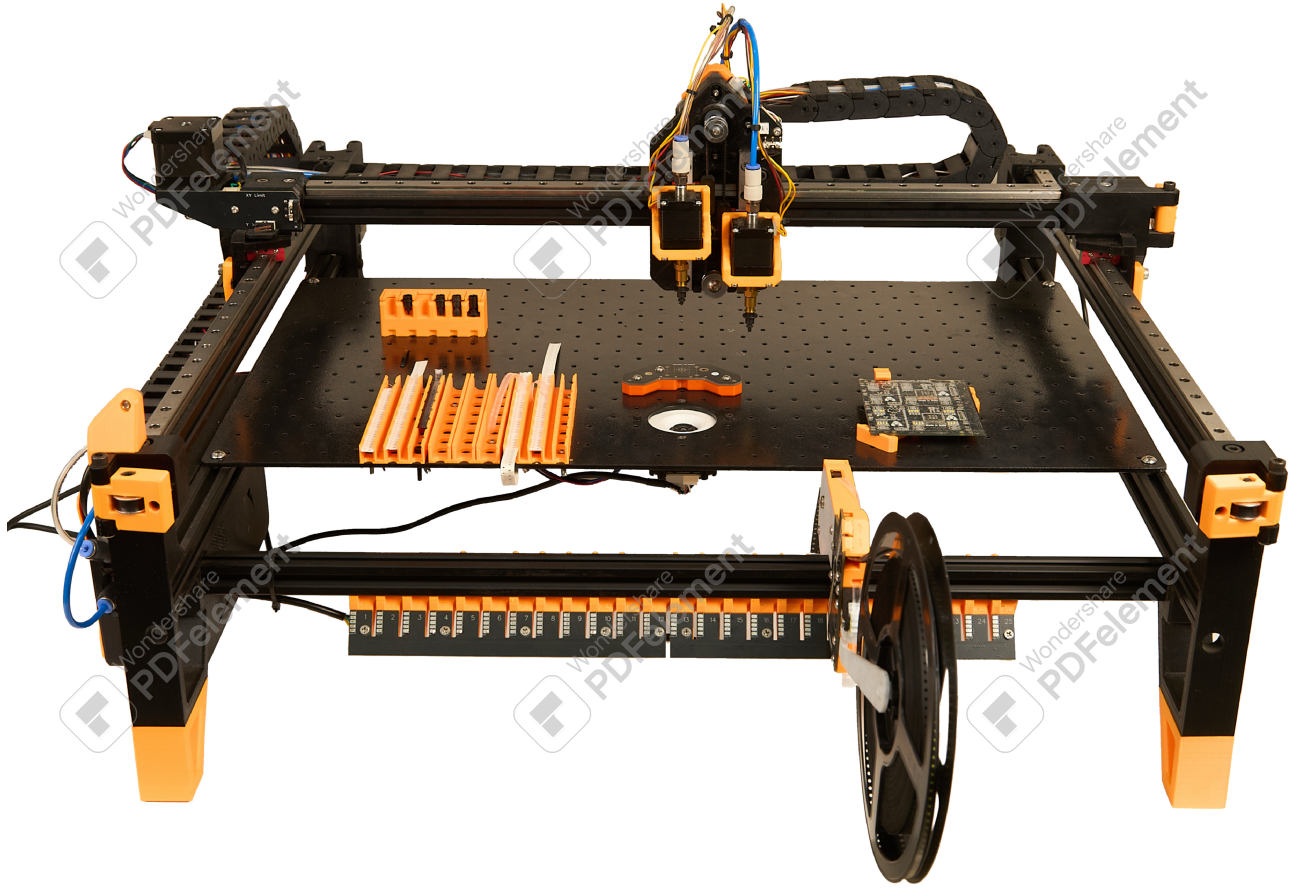


Placestation

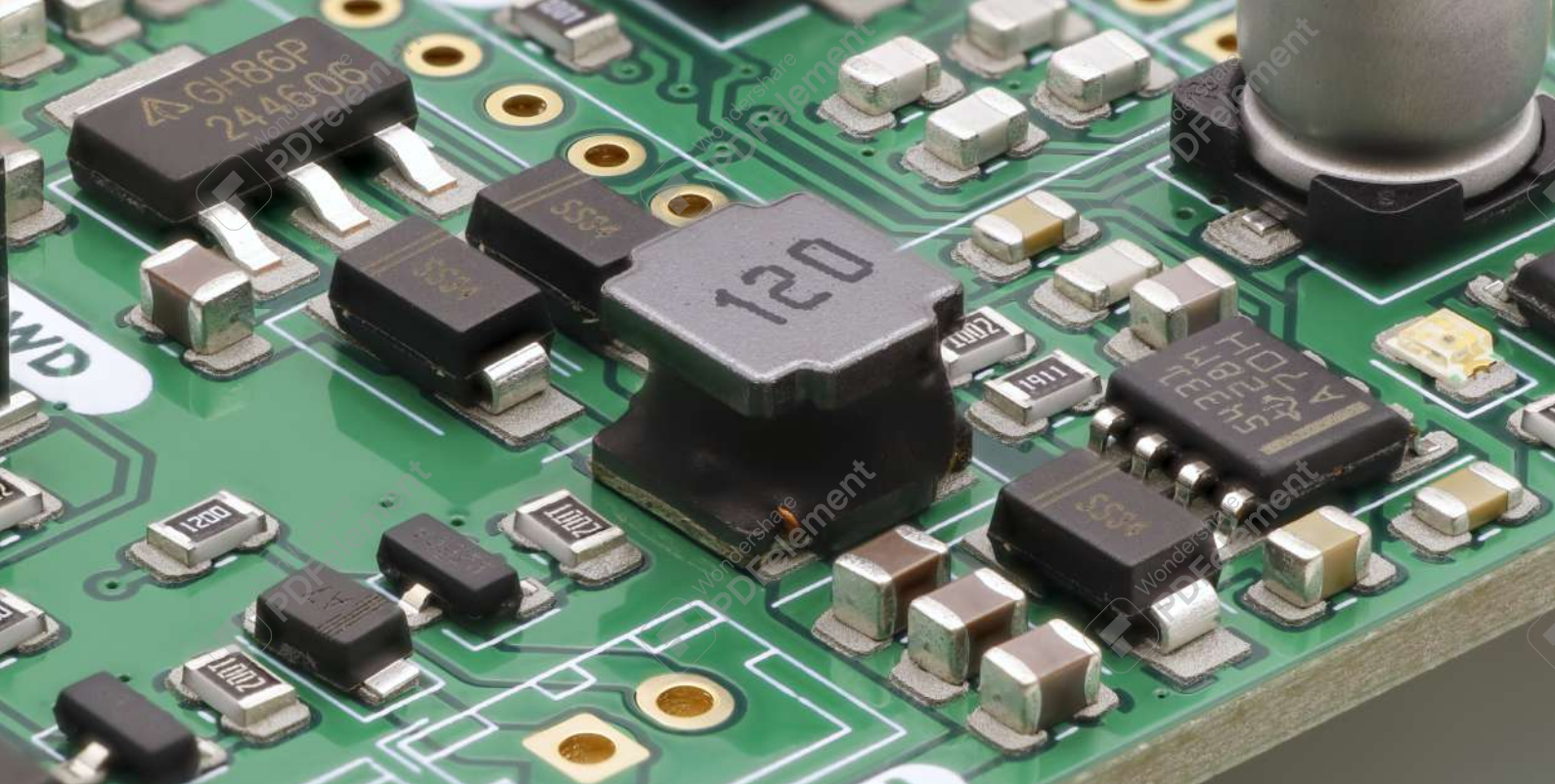


Placestation

Desktop Pick and Place

The Placestation brings accurate, reliable, and fast PCBA population to your desktop.

Orders of magnitude cheaper than its next competitor, the Placestation leverages the linear motion control advancements of the past decade from the commoditization of desktop FDM 3D printers and applies them to the SMT industry. Removing the need for high-pressure air or industrial power hookups means the Placestation can easily be deployed on your production line, or in the office.



Accurate

Precision placements down to 0402

Reliable

Consistent and dependable results

Fast

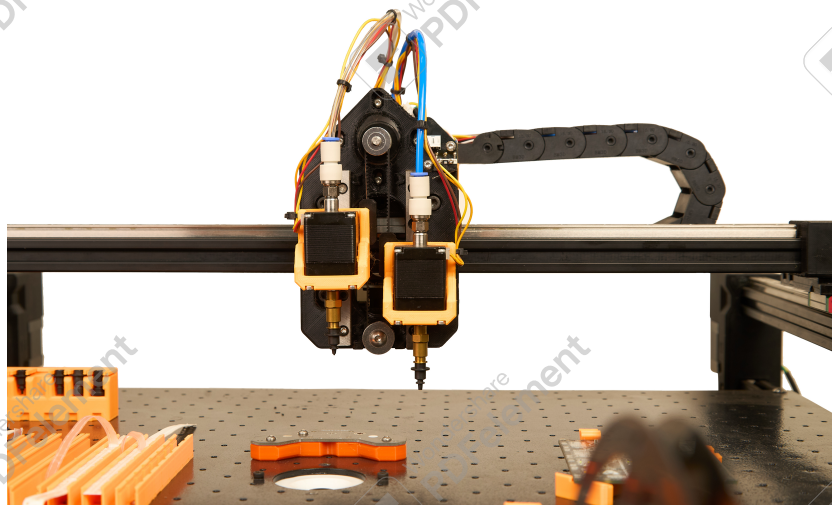
Over 1500 CPH

Autonomous

Powered feeders for full autonomy

Versatile

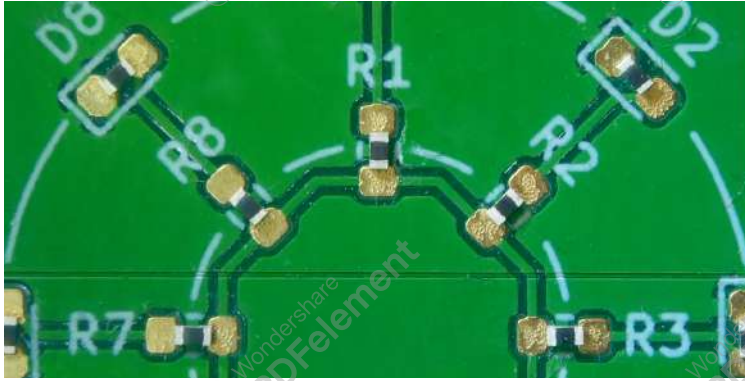
Configurable work area for any job



**Quickly and efficiently
produce PCBAs in a fraction
of the time of outsourcing.**

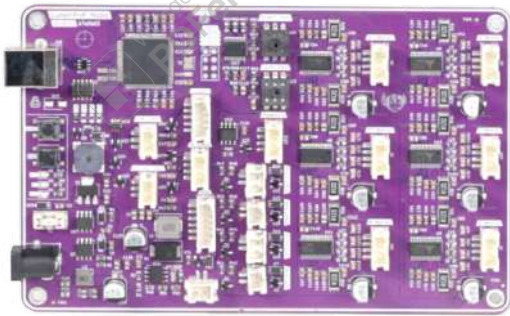
Instead of waiting weeks and paying thousands for an assembly shop to get you time-critical prototypes, automatically assemble a batch in-house, and keep your team moving.

Placestation



Accurate

The Placestation is outfitted with a pair of HD cameras for various optical calibrations that ensure accurate part mounting. The custom optics in these cameras are suited specifically for high resolution and wide field of view, allowing for accurate visual calibrations for both very small and very large components.



Fast

Fully outfitted with linear rails on every axis, high current stepper drivers, and integrated current monitoring, the Placestation is capable of high speed population, keeping your R&D program moving as fast as you do.

Versatile

The Staging Plate system facilitates the Placestation to be configured for incredibly large PCBs, allowing for large panels maximizing throughput, or unique applications that require large geometry.

390mm x 210mm
Max Board Size



Reliable

Integrated high resolution pressure sensors keep track of pneumatic line vacuum levels, allowing the Placestation to immediately detect a mispick and take corrective action. Redundant part detection systems ensure that your components are picked and mounted correctly.



Autonomous

The Placestation has a robust and stable feeder system, capable of consistent and repeatable delivery of components with high accuracy. Once loaded with parts, they will feed for thousands of parts uninterrupted.

30mm
Part Size

0402
Passives

0.4mm
Pitch ICs

The Placestation is capable of handling practically any job. With wide support for the vast majority of component types, you'll have accurate and repeatable placement. Custom optics provide a wide Field of View while still retaining high resolution, supporting both small passives and large ICs.

Metric	Dual Staging Plate	Triple Staging Plate
Maximum PCB Size	120mm x 390mm or 240mm x 150mm (2x)	210mm x 390mm or 330mm x 150mm (2x)
Max Unique Components	<p>Only Powered Feeders: 50x components in 8mm or 12mm tape</p> <p>Only Strip Feeders (Reduces Max PCB Size): 27x components in 8mm tape</p> <p>Total (Reduces Max PCB Size): 77x unique components in 8mm tape 64.9% fully automatic feeders</p>	<p>Using Powered Feeders: 25x components in 8mm or 12mm tape</p> <p>Using Strip Feeders (Reduces Max PCB Size): 54x components in 8mm tape</p> <p>Total (Reduces Max PCB Size): 79x unique components in 8mm tape 31.6% fully automatic feeders</p>
Machine Dimensions	30in wide, 28in deep, and 10.6in tall (765mm x 710mm x 270mm)	
CPH	950 with vision, 1580 without	
Component Compatibility	<p>Minimum part size: 0402, Minimum lead pitch: 0.4mm Max part weight: 25 grams, Max part height: 20mm Down to BGA 0.8mm pitch Strip feeder support for tape widths 8mm, 12mm, 16mm, 24mm, 32mm, 44mm Powered feeder support for tape widths 8mm, 12mm</p>	
Power	Max Consumption 145W, accepts AC 100V-240V, 50/60 Hz	
Requirements	<p>One computer running Ubuntu Linux 20.04 and OpenPnP Can handle 2x 1080p USB webcam feeds and 1x USB serial port simultaneously</p>	

The Placestation brings accurate and reliable PCBA assembly to your organization. Quickly build prototype batches, run pilot production, and move faster with fewer risks.

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Data within is subject to change without notice.