

1515

Capacity

1.5" x 1.5"

3.8 cm x 3.8 cm



The 1515 is designed to assemble any self-adhesive component within a 1.5" x 1.5" / 3.8 cm x 3.8 cm capacity.

The machine has a compact footprint and offers a wide range of features and options that allow for optimal adaption of the component's specific requirements. Various placement actuator options enable placement of a component in any orientation. With full serial control communications and an intuitive interface, the 1515 is the fastest, easiest to use, adhesive component placement machine of its kind.

Configurations

Like most of AccuPlace's products, the 1515 can be configured in one of three ways, OP1, OP2, OP3. For more information on how the 1515 can be configured, log onto accuplace.com or call (954) 791-1500 to speak to one of our engineers.



The recognized leader in adhesive component placement technology

1515

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Features

Due to our sole focus on machines for placement of film adhesive components, we offer highly standardized and simplified equipment. Based on our extensive experience, the following options are available for optimal integration into your process:

Options

Rewind Reel

To take up waste liner

Flangeless Mounting

For additional clearance under the machine

Clean Room

To reduce contamination

Tape Out Sensor

Which indicates when supply nest is empty

Universal AC Power Supply

Mounting Foot

For horizontal mounting of machine

Nickel Plated Peel Plate Kit

For a more reliable peeling of components from a clear liner



Rewind Reel



Nickel Plated Peel Plate Kit

Operation Cycle

All AccuPlace models have a unique patented peeling technology in common that ensures high placement accuracy and repeatability, even for parts that are difficult to peel. Our extensive experience in the design and manufacturing of vacuum chucks guarantees optimal functionality of any application.

1. As the liner is pulled by a stepper motor through its path in the machine, the position sensor looks for a component on the liner. This ensures positioning of the component exactly underneath the vacuum chuck.
2. The placement actuator with its customized vacuum chuck extends to grip the component.
3. The drive assembly retracts, pulling the liner around the peel edge and removing the liner from the retained component.
4. The placement actuator places the component into the fixtured target part. When the actuator returns into its original position, the peel edge is extended again and the cycle starts from the beginning.

Specifications

Accuracy (repeatability)	± 0.002"/0.05 mm*
Cycle Time	0.7 - 2 sec. typical*
Capacity	
Max Liner Width	1.5"/38 mm max.
Max Component Length	1.5"/38 mm max.
Max Component Thickness	0.2"/5 mm max.
Reel Size	0 3.0"/76 mm I.O., 0 12"/300 mm O.D.
Air Pressure Requirement	75 psi/5 bar
Air Consumption	1.0 cfm/28 liter/min
Assembly Pressure	8 lbs/35 N max (adjustable)
Environmental	Temperature: 50 - 100° F / 10-38° C Humidity: <90% non condensing
Electrical Interface	2 outputs: ready & clear, 1 input: cycle
Optional Interface	RS-232 Serial Control
External I/O	4 in, 4 out
Stroke	5"/127 mm standard
Power	24 VDC, 1.6 amps (fused)
Mounting Orientation	Any Orientation
Weight	23 lbs/10.5 kg

*Component department. AccuPlace will evaluate your application upon receiving your parts and specifications.