4065

Capacity

4.0" x 6.5"

10.16 cm x 16.5 cm

The 4065 is designed to assemble any self-adhesive component within a 4.0" x 6.5" / 10.16 cm x 16.5 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 4065 is the fastest, easiest to use, adhesive component placement machine of its kind.

Configurations

Like most of AccuPlace's products, the 4065 can be configured in one of three ways, OP1, OP2, OP3. For more information on how the 4065 can be configured, log onto accuplace.com or call (954) 791-1500 to speak to one of our engineers.

ACCUplace

The recognized leader in adhesive component placement technology

4065

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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:

Vacuum Chucks

Standard
Shaped to match component's profile

Low Durometer
Compliant polymer construction

Bubble Free
Chuck profile expands to ensure no trapped air bubbles

Expanding
Peels multiple components and places them with different spacing

Profiling
Wrapping component around target part

Placement Actuators

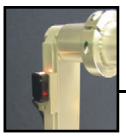
X-Axis Correction
Corrects cross web component drift

Alpha-Axis
For placing in orientations other than down

Theta-Axis
Rotates component before placement

Options

Additional options to further optimize the 4065 for your needs:



- Rewind Reel
- Dual Rewind Reel
- Top Liner Remover
- Supply Reel Core Adapters
- Non-Stick Input Rollers
- Extended Stroke Lengths
- Clean Room Version
- Tape Low and Tape Out
- Nickel Plated Peel Plate Kit
- Printer Integration

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	6.5"/165 mm max.
Max Component Length	4.0"/101.6 mm max.
Max Component Thickness	0.25"/6 mm max.
Reel Size	ø 3.0"/76 mm I.O, ø 17"/430 mm O.D.
Air Pressure Requirement	75 psi/5 bar
Air Consumption	2.0 cfm/56 liter/min
Assembly Pressure	35 lbs/153 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 Optional 8"/203 mm.
	12"/305 mm or 20"/508 mm
Power	24 VDC, 1.6 amps (fused)
Mounting Orientation	Any Orientation
Weight	150 lbs/88 kg

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