

4090

Capacity

4.0" x 9.0"

10.16 cm x 22.86 cm



The 4090 is designed to assemble any self-adhesive component within the large capacity of 4.0" x 9.0" / 10.16 cm x 22.86 cm.

The machine has a compact foot print and offers a wide range of features and options that allow for optimal adaption of the component's specific requirements. With full serial control communications and an intuitive interface, the 4090 is the fastest, easiest to use adhesive component placement machine of its kind.

Configurations

Like most of AccuPlace's products, the 4090 can be configured in one of three ways, OP1, OP2, OP3. For more information on how the 4090 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

4090

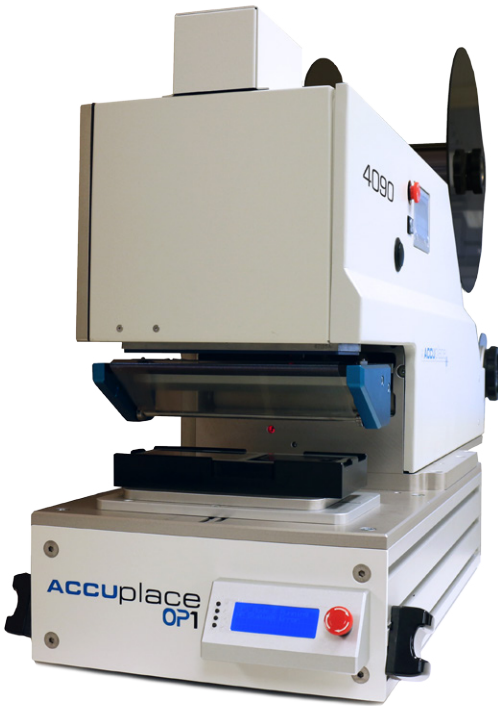
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Operation Cycle

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.



Features

- Various options allow optimum adaption to application specific requirements
- Clean Room option to reduce the chance of contamination the target part
- Nickel Plated Peel Kit to detect components that require highly reflective background
- AccuPlace's proven Pick'n'Peel™ process for ultimate accuracy and process reliability
- Minimal mechanical adjustments allow for easy component changeover
- Advanced clean room options for ultra-clean environments
- Simple material threading ensures quick roll replacements
- High precision construction for last quality

Specifications

Accuracy	± 0.002"/0.05 mm*
Size:	
Depth	1,040 mm (40.94")
Height	680mm (26.78")
Width	397mm (15.63")
Weight	165 lbs/74.75 kg
Input Voltage	24 VDC, 4 Amps (fused)
Current	4A@220V or 8A@115V
Capacity (Component size)	4.0" x 9.0" 0.25" thick / 101.6mm x 228.6mm x 6mm thick
Label Roll Capacity	Ø 430mm (17")
Label Roll Core Size	Ø 76mm (3")
Cycle Time	0.7-2.5 Seconds*
Air Pressure Requirement	75 psi/5 bar
Air Consumption	2.0 ofm (56 liter/min)
Stroke	5" (127mm) Standard 8" (203mm) or 12" (305 mm) Optional
Assembly Pressure	35 lbs/153 N max (adjustable)
Standard Interface	1 Input: Cycle
Optional Interface	TTL Serial Reporting
External IO	8

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