

# Accuplace

The recognized leader in adhesive component placement technology

High Accuracy

Complex Assemblies

Easy Change-Over



## Automated Robots

The AccuPlace innovative gantry robot APAC is the optimal turnkey solution for fully automatic assembly tasks using adhesive components. Flexibility, reliability, and easy product change-over are all requirements in today's demanding marketplace. The robot APAC answers these market requirements by achieving the highest possible quality.

Standard linear driven X-Y axes and optional servo Z and U axes ensure that even the most complex assembly steps with different orientation changes and multiple placements can be achieved easily.

An integrated vision system ensures accurate assembly even of parts with high tolerances. The PC based control with a powerful ARSIC software system supports the most effective adhesive component assembly tool available on the market.

# APAC



## Application Examples



Placing of an insulator onto a fan clip.



Assembly of medical product adhesive



Assembly of adhesive backed dome switch arrays onto a PCB. PCB shows very high tolerance.



Peeling of an adhesive label before placement.

## Part Handling



To load/unload the APAC, various transport systems such as dual tray shuttle, SMEMA conveyor, or tray handling units can be integrated.

## 4 Robots



Up to four robot models RM3065 can be integrated into the APAC. This allows feeding of up to 4 different adhesive components, allowing the execution of complex assembly tasks.



## Flexibility

Due to AccuPlace's outstanding patented peeling technology, challenging components can be handled reliably. For example double-sided tapes, clear components on a clear liner, or very small film adhesives.



## Vacuum Chucks

Custom made vacuum chucks are the only hardware required to change-over from one to another product. This flexibility allows running of various product programs within the same day. Fully automatic tooling changeover is also available.

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# APAC

<b>Specifications</b>	
Accuracy (repeatability)	± 0.0005"/0.013 mm*
Travels	
X	639.4"/1000 mm
Y	19.7"/500 mm
Z	5.9/150 mm
U	120°
Adhesive Component Capacity	(4 max) 8" x 8"/200mm x 200mm ø 17"/430 mm O.D.
Speeds	
X	240"/sec./6m/sec.
Y	240"/sec./6m/sec.
Z	40" / sec/1 m/sec.
U	20 radian/sec.
Electrical	
Voltage	200-250 Vac
Current	35 amps
Frequency	50/60 Hz
Phase	1
Control	
Host interpreter and Front end processor	Windows 7 / Latest Generation i3 processor
RAM	4 Gigabytes
HDD Storage	Solid State Drive
Motion Controller	4 Axis, high speed, sinusoidal
Analog I/O	12 bit differential
Digital I/O	(24) 24V inputs, (24) 24V outputs
Pneumatic	
Pressure	80 psi/5.4 bar
Consumption	6 cfm/170 liter/min
Force (placement actuator)	Up to 1000kg
Weight	4200 lbs/1900 kg

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