

## DISPENSING MACHINE SERIES

# PME-R500A

Conductive adhesive dispensing machine with needle rotation

### Auto needle rotation

Dispenses conductive adhesive into 3D triangular shapes over a 500 × 500 × 80 mm range, with auto needle rotation, Panasonic servo motion and a CCD camera.

**500 × 500 mm**  
X × Y RANGE, Z 80 MM

**500 mm/s**  
MAX. SPEED

**±0.015 mm**  
PRECISION

**1.5 kW**  
POWER, AC 220 V



## KEY FEATURES

### Windows 2000/XP software

Runs on Windows 2000/XP with large data storage and line, area and lens settings.

### Automatic needle path

The needle path follows the rotation direction to form 3D triangular conductive adhesive shapes.

### Heated pistol and work area

The plastic pistol and the working area have a heating system.

### CCD camera positioning

A CCD camera shows and positions the route, tracks it and counts output, saving setup time.

### 3D line and arc interpolation

Lines or arcs are interpolated for accurate, continuous-path 3D dispensing.

### Auto needle rotation device

Includes an auto needle rotation device; plastic needle shapes can be customized to order.

### Panasonic servo XYZ motion

Panasonic servo motors drive the XYZ axes for precise, stable and fast dispensing.

### Numerically set parameters

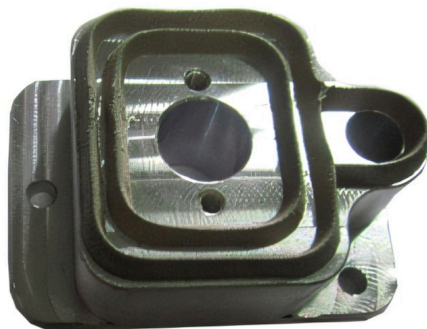
Volume, size, speed, times and waiting times are set numerically; dispenses precisely without leaking.

## SPECIFICATIONS

| MODEL <b>PME-R500A</b> |                                                                                                                                                     |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| Dispensing range       | X500 × Y500 × Z80 mm                                                                                                                                |
| Max. speed             | 500 mm/s                                                                                                                                            |
| Precision              | ±0.015 mm                                                                                                                                           |
| Repeatability          | ±0.015 mm                                                                                                                                           |
| Operating system       | Windows 2000/XP                                                                                                                                     |
| Drive system           | Panasonic servo motor / needle bearing                                                                                                              |
| Electric source        | AC 220 V, 50/60 Hz, 1.5 kW                                                                                                                          |
| Dimensions             | L1,150 × W1,030 × H1,720 mm                                                                                                                         |
| Weight                 | 450 kg                                                                                                                                              |
| Optional devices       | 1. MARKER with auto positioning and adjusting function; 2. Multiple dispensing needles, for a variety of glue pistol and plastic barrel connections |

Specifications and design are subject to change without notice.

## DISPENSING SAMPLES



## APPLICATIONS

Mobile phones and computer cases · Optical drives, DVD and printers · Ink clips · PC boards · LCD and LED · Digital cameras · Switches, connectors and relays · Radiators and semiconductors · Other electronics and SMT devices · Clocks, toys and medical equipment

## SUITABLE FOR

Conductive adhesive dispensing · Electromagnetic shielding · Furnace filters · Casting triangles, liquid dispensing