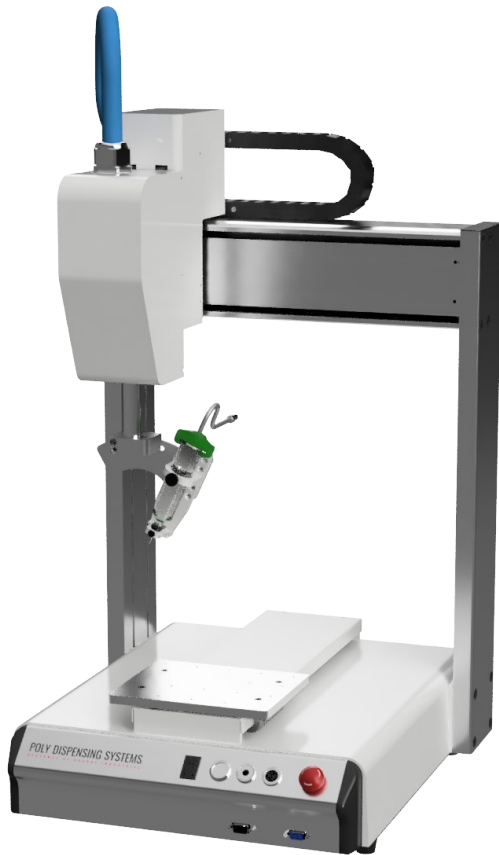


# 785 SERIES – 4 AXIS STANDARD ROBOT



The 785 series benchtop robots are designed for precise fluid dispensing using syringes and valve systems. These 4-axis tabletop robots are equipped with a user-friendly teaching pendant, ensuring unmatched precision and repeatability.

The integrated controls allow for the programming of complex patterns in just a few minutes. With true three-dimensional motion control, it's easy to program dots, beads, circles, arcs, curves, and other patterns on various plans.

The fourth axis enables dispensing at any angle with a full 360° rotation.

This series also features a unique calibration point for needle realignment, ensuring consistent dispensing repeatability.

These platforms are ideal for dispensing applications per batch or complex dispensing tasks.

| MODELS                            | 785-300R                             | 785-400R                  | 785-500R                 | 785-600R                 |
|-----------------------------------|--------------------------------------|---------------------------|--------------------------|--------------------------|
| Work area<br>X/Y/Z(mm)            | 300 / 300 /100 /<br>360°             | 400 / 400 / 400 /<br>360° | 500 / 500 /100 /<br>360° | 600 / 600 /100 /<br>360° |
| Load surface<br>Y Axis / Z Axis   | 5kg / 2 kg                           |                           |                          |                          |
| Max speed XY / Z<br>(mm/sec)      | 0.1 ~ 500 / 300                      |                           |                          |                          |
| Resolution                        | 0.001 mm / Axis                      |                           |                          |                          |
| Repeatability                     | +/- 0.02 mm / Axis                   |                           |                          |                          |
| Program capacity                  | 100 programs - 4000 points / program |                           |                          |                          |
| Display                           | Teach Pendant LCD                    |                           |                          |                          |
| Drive system / Stepper<br>motor   | Micro stepping motor                 |                           |                          |                          |
| Motion control                    | PTP & CP                             |                           |                          |                          |
| Motion control<br>Linear/circular | 4 axis                               |                           |                          |                          |
| Teaching<br>method                | Teach pendant                        |                           |                          |                          |
| I/O Signals                       | 8 Inputs / 8 Outputs                 |                           |                          |                          |
| Power Supply                      | AC110 ~ 220V 300W                    |                           |                          |                          |
| Operating<br>temperature          | 0 - 40°C                             |                           |                          |                          |
| Relative Humidity of<br>operation | 20 - 90% No condensation             |                           |                          |                          |
| Dimensions<br>(WxDxH mm)          | 485 x 500 x 810                      | 585 x 600 x 810           | 685 x 700 x 810          | 785 x 800 x 810          |
| Robot weight (kg)                 | 35 kg                                | 45 kg                     | 55 kg                    | 65 kg                    |