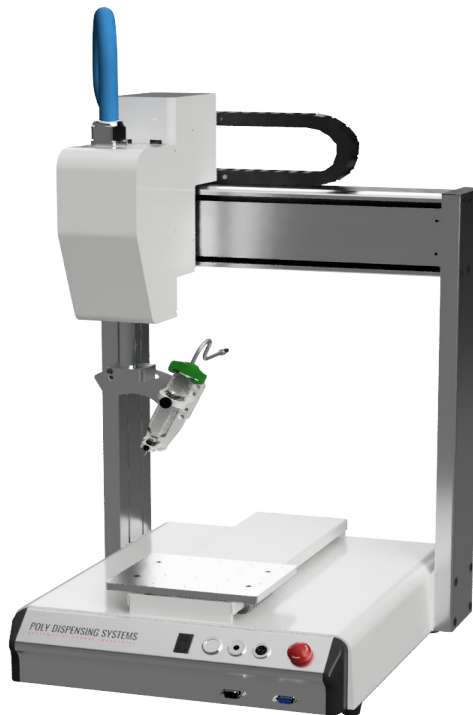


# 786 SERIES – 4 AXIS BALL SCREW



The 4-axis tabletop robots of the 786 series incorporate all the features of the 785 series but use a drive technology with ball screws and servo motors.

This improvement enables to handle greater mechanical loads, with a capacity of up to 5 kg on the Z axis and 15 kg on the Y axis.

| MODELS                            | 786-400RL                                          | 786-500RL              | 786-600RL              |
|-----------------------------------|----------------------------------------------------|------------------------|------------------------|
| Work area<br>X/Y/Z(mm)            | 400 / 400 / 100 / 360°                             | 500 / 500 / 100 / 360° | 600 / 600 / 100 / 360° |
| Load surface<br>Y Axis / Z Axis   | 15 kg / 5 kg                                       |                        |                        |
| Max speed XY / Z<br>(mm/sec)      | 0.1 ~ 600 / 300                                    |                        |                        |
| Resolution                        | 0.001 mm / Axis                                    |                        |                        |
| Repeatability                     | +/- 0.01 mm / Axis                                 |                        |                        |
| Program capacity                  | 100 programs - 4000 points / program               |                        |                        |
| Display                           | Teach Pendant LCD                                  |                        |                        |
| Drive system / Stepper<br>motor   | X/Y/Z/R axis ball screw with AC servo motor driven |                        |                        |
| Motion control                    | PTP & CP                                           |                        |                        |
| Linear/ Circular<br>Interpolation | 4 axis                                             |                        |                        |
| Teaching method                   | Teach pendant                                      |                        |                        |
| I/O Signals                       | 8 Inputs / 8 Outputs                               |                        |                        |
| Power Supply                      | AC220V 1 KW                                        |                        |                        |
| Operating<br>Temperature          | 0 - 40°C                                           |                        |                        |
| Relative Humidity of<br>operation | 20 - 90% No condensation                           |                        |                        |
| Dimensions<br>(WxDxH mm)          | 654 x 700 x 993                                    | 754 x 800 x 993        | 854 x 900 x 993        |
| Robot weight (kg)                 | 75 kg                                              | 80 kg                  | 85 kg                  |