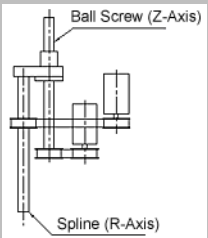


The Janome SCARA JS Series Robot

Features



- **Double Shaft SCARA JS Series JS250/JS350/JS450/JS550**

High trajectory accuracy achieved by the separately-controlled Z- and R-axis motors makes the JS Series the right choice for precision CP (continuous path) operations.

- **Clean Room Type Models with Clean Class (10) 0.3µm * Specifications JS250CL/JS350CL/JS450CL/JS550CL**

The special airtight structure and vacuuming system minimize dust inside the robot. Special external conductive coating prevents static electricity. Low-dust grease is used for the Z-axis spline and ball screw, also, the Z-axis is covered by a special antistatic accordion hose. The robot (not including the control box) can be used in both the clean room and regular environments.

- **What's Clean Class 10?**

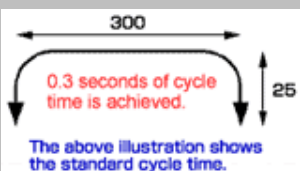
Clean Class 10 is defined by Federal Standard 209D as a particulate count that shall not exceed a total of 10 particles of a size of 0.5µm or greater per cubic foot of air.

- **Single Shaft SCARA JSTH Series JS350TH/JS450TH/JS550TH(L)/JS650TH/JS750TH/JS880TH/JS1000TH(L)**

All connecting cables, such as those for soldering devices, can be bundled together in the hollow Z-axis shaft for a more organised workspace.

- **High Speed & High Precision**

The combination of the high-powered AC servomotor and Janome's original highly rigid mechanism delivers top-class standard cycle time. The repeatability of ±0.01mm ensures high productivity.



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The Janome SCARA JS Series Robot

Features continued.



- **Powerful**

The highly rigid arms can carry a workpiece of up to 20kg. The deflection amount of when carrying a workpiece of 4kg with the fully extended arms is only 0.04mm. The maximum acceptable moment of inertia of the R-axis is 0.1kg², which allows you to handle heavy loads and gives you a wider selection of tools.

- **User-Friendly Tool Piping**

The robot comes equipped with 14 signal wires and 4 air tubes. The internal piping system allows you to create compact piping and wiring layouts.

- **Wide Square Area for CP Movement**

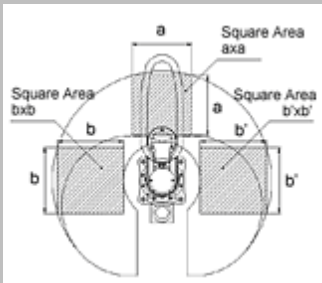
The wide square areas of 210mm x 210mm are ensured for the JS350.

- **Large and Clear View Teaching Pendant (Optional)**

The teaching pendant has a large, easy-to-see LCD screen. The display language can easily be switched between English, German, Italian, Spanish, French, Korean, Chinese and Japanese. The coordinate values can be displayed in millimetres or inches.

- **Simple, Easy-to-Use Operation Box (Optional)**

The optional operation box equipped with the start switch, program change switch and emergency stop switch is available.



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