

HS series

(350–550 mm)

FEATURES

Wide range of reaches

350, 450 and 550 mm

Choice of configurations

Standard (IP40)
Bellows on 3rd axis (IP40/65)
Dust- and mistproof (IP65)
Cleanroom (Class 10)

High speed

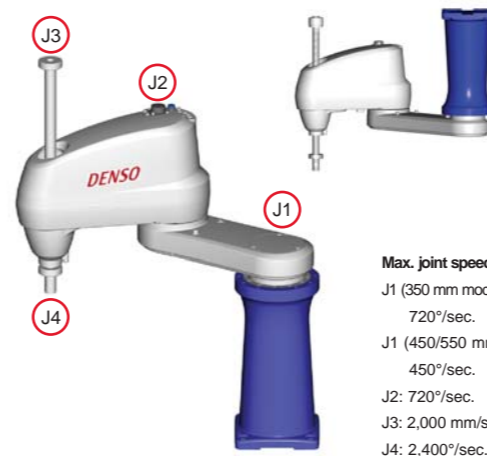
Standard cycle time 0.35 sec.

Powerful

One of the highest applicable maximum moments of inertia in their class.

Ceiling-mountable

450 and 550 mm reaches



Max. joint speed

J1 (350 mm model):

720°/sec.

J1 (450/550 mm):

450°/sec.

J2: 720°/sec.

J3: 2,000 mm/sec.

J4: 2,400°/sec.

MAIN SPECIFICATIONS :

| | | | |
|---------------------------------|--|----------------------|----------------------|
| Maximum arm reach: | 350 mm | 450 mm | 550 mm |
| Model name: | HS-4535 | HS-4545 | HS-4555 |
| Maximum payload: | 5 kg | 5 kg | 5 kg |
| Maximum composite speed: | 7,200 mm/sec. | 6,300 mm/sec. | 7,100 mm/sec. |
| Repeatability: | ±0.015 mm | ±0.02 mm | ±0.02 mm |
| Maximum moment of inertia: | 0.1 kgm ² | 0.1 kgm ² | 0.1 kgm ² |
| Total weight (approx): | 20 kg | 20 kg | 20 kg |
| Cycle time: | 0.35 sec. | 0.35 sec. | 0.35 sec. |
| Range of motion: | J1: ±155°, J2: ±145°, T: ±360° | | |
| Z-axis (vertical stroke): | 200 mm; option: 320 mm | | |
| Protection class: | Standard: IP40; options: IP40/65, IP65, CC10 | | |
| Position detection: | Absolute encoder | | |
| Maximum force fit: | 98 N (1 sec. or less) | | |
| Wiring (in-arm integrated): | 19 lines (max. 1 A, for signaling) | | |
| Air piping (in-arm integrated): | 4 systems (ø4 x 2, ø6 x 2) | | |
| Remarks: | 4th-axis flange optional | | |