

# HS series

(350mm - 550mm)

## FEATURES

### **Comprehensive Line-up**

3 model variations; 350mm, 450mm  
and 550mm reach

### **Abundant Variations**

Standard (IP40),  
With Bellows on 3rd axis (IP40/65)  
Dust & splash proof type (IP65)  
and Clean room type (Class 10)

### **High Speed**

Standard cycle time of 0.35 seconds

### **Greater Power**

One of the highest applicable maximum  
moment of inertia in its class.

### **Ceiling Mounting**

2 model variations;  
450mm and 550mm





## 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
Composite maximum speed:	7200 mm/s	6300 mm/s	7100 mm/s
Position repeatability:	± 0.015 mm	± 0.02 mm	± 0.02 mm
Maximum moment of inertia:	0.1 kgm <sup>2</sup>	0.1 kgm <sup>2</sup>	0.1 kgm <sup>2</sup>
Total weight (approx):	20 kg	20 kg	20 kg
Cycle time:	0.35 sec	0.35 sec	0.35 sec
Motion angle:	J1: ±155°, J2: ±145°, T: ±360°		
Z-axis (vertical stroke):	200mm, option: 320mm		
Protection class:	Standard: IP40, option: IP40/65, IP65, CC10.		
Position detection:	Absolute encoder.		
Maximum force fit:	98N (one second or less).		
Wiring (in arm integrated):	19 lines (max 1Amp, for signaling).		
Air piping (in arm integrated):	4 systems (ø4x2, ø6x2)		
Remark:	4th axis flange is optional.		