

# VS series

(650–850 mm)

## FEATURES

### High speed

Fastest cycle time in its class (0.49 sec.)

### High power

One of the highest applicable maximum moments of inertia in its class

### Choice of configurations

IP54/65  
Cleanroom (Class 10)

### Compact design

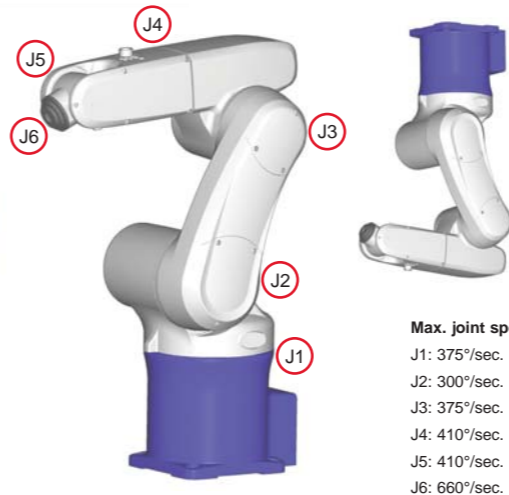
Minimizes interference with surrounding equipment

### Ceiling-mountable

All models

### Light weight

Less than 30 kg



#### Max. joint speed

J1: 375°/sec.  
J2: 300°/sec.  
J3: 375°/sec.  
J4: 410°/sec.  
J5: 410°/sec.  
J6: 660°/sec.

## MAIN SPECIFICATIONS :

Reach (to center of 5th axis):	650 mm	850 mm
Number of axes:	6	6
Model name:	VS-6556	VS-6577
Maximum payload:	5 kg	5 kg
Maximum composite speed:	8,200 mm/sec.	7,600 mm/sec.
Cycle time:	0.49 sec.	0.59 sec.
Repeatability:	±0.02 mm	±0.02 mm
Max. moment of inertia:	J4/J5: 0.295 kgm <sup>2</sup> J6: 0.045 kgm <sup>2</sup>	J4/J5: 0.295 kgm <sup>2</sup> J6: 0.045 kgm <sup>2</sup>
Total weight (approx):	28 kg	29 kg
Range of motion:	J1: ±170°; J2: +135°, -100°; J3: +166°, -119°; J4: ±190°; J5: ±120°; J6: ±360°	
Protection class:	Standard: IP40, option: IP54/65, CC10	
Brakes:	2nd, 3rd, 4th, 5th and 6th axes	
Position detection:	Absolute encoder	
Wiring (in-arm integrated):	10 lines (max 1 A, for signaling)	
Air piping (in-arm integrated):	7 sys. (ø4 x 6, ø6 x 1), three 2-pos. double solenoid valves	