

VM series

(1,000–1,300 mm)

FEATURES

High Speed

Fastest cycle time in its class (0.89 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

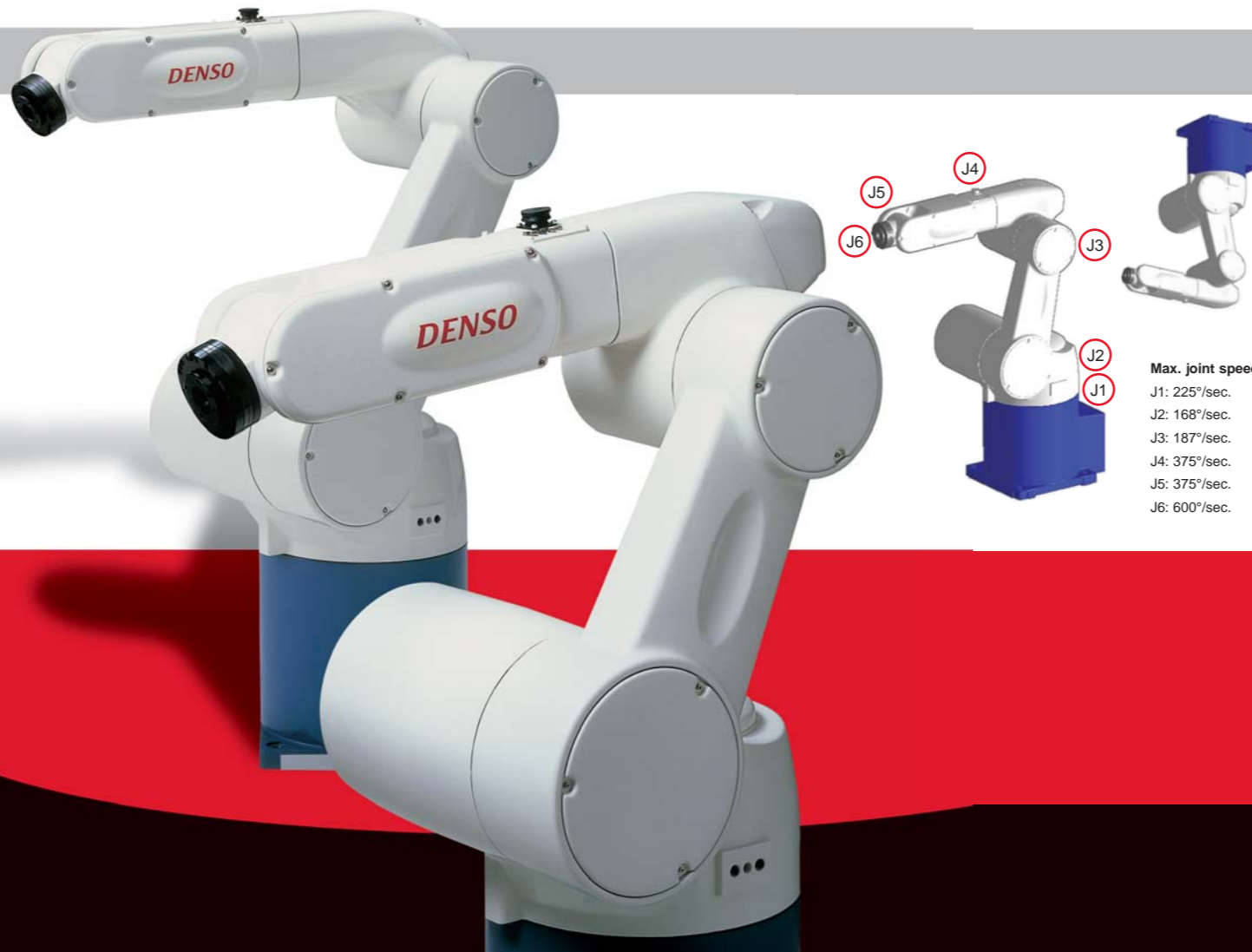
Minimizes interference with surrounding equipment

Ceiling-mountable

All models

Light weight

Less than 30 kg



Max. joint speed

J1: 225°/sec.
J2: 168°/sec.
J3: 187°/sec.
J4: 375°/sec.
J5: 375°/sec.
J6: 600°/sec.

MAIN SPECIFICATIONS :

Reach (to center of 5th axis):	1,000 mm	1,300 mm
Number of axes:	6	6
Model name	VM-6083	VM-60B1
Maximum payload:	10 kg	10 kg
Cycle time:	0.89 sec	0.95 sec
Maximum composite speed:	8,300 mm/sec.	8,300 mm/sec.
Repeatability:	±0.05 mm	±0.07 mm
Max moment of inertia:	J4/J5: 0.36 kgm ² J6: 0.064 kgm ²	J4/J5: 0.36 kgm ² J6: 0.064 kgm ²
Total weight (approx):	76 kg	78 kg
Range of motion:	J1: ±170°; J2: +135°, -90°; J3: +165°, -80°; J4: ±185°; J5: ±120°; J6: ±360°	
Protection class:	Standard: IP40; options: IP54/65, CC-10	
Brakes:	2nd, 3rd, 4th, 5th and 6th axis	
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	