

VM series

(1,000–1,300 mm)

F E A T U R E S

High Speed

Fastest cycle time in their class (0.89 sec.)

High Power

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

Choice of configurations

Standard (IP40) or dust- and mistproof (IP54/65)

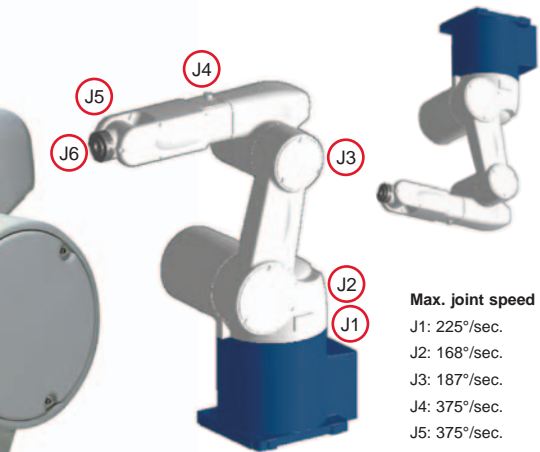
Compact design

Minimizes interference with surrounding equipment

Ceiling-mountable

All models





Max. joint speed

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

M A I N S P E C I F I C A T I O N S :

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):	80 kg	82 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	
Brakes:	2nd, 3rd, 4th, 5th and 6th axis	
Position detection:	Absolute encoder	
Wiring (in-arm integrated):	10 lines (max 1 A per line)	
Air piping (in-arm integrated):	7 sys. (ø4 x 6, ø6 x 1), three 2-pos. double solenoid valves	