

# 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)

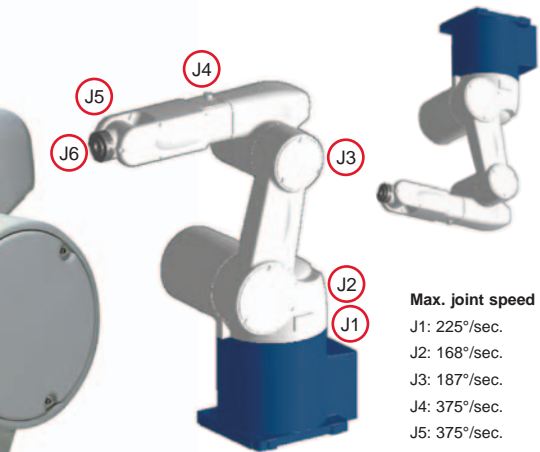
### Compact design

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 <sup>2</sup> J6: 0.064 kgm <sup>2</sup>	J4/J5: 0.36 kgm <sup>2</sup> J6: 0.064 kgm <sup>2</sup>
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	