

VP series

(430–433 mm)

F E A T U R E S

High speed

Standard cycle time 0.99 sec.

High repeatability

± 0.02 mm

Very small footprint

160 x 160 mm

Light weight

13 kg

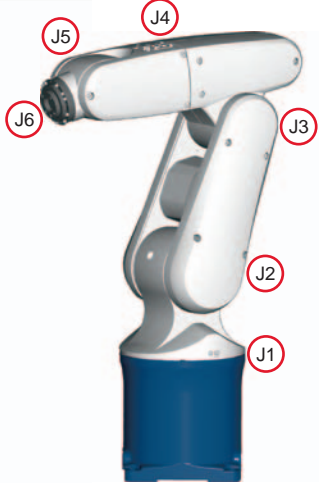
Ultracompact design

Facilitates integration in tight spaces

Low energy consumption

Total capacity of motors less than 300 W





Max. joint speed

- J1: 250°/sec.
- J2: 187°/sec.
- J3: 250°/sec.
- J4, J5, J6: 300°/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):	430 mm	432 mm
Number of axes:	5	6
Model name:	VP-5243	VP-6242
Maximum payload:	3 kg	2.5 kg
Maximum composite speed:	3,900 mm/sec.	3,900 mm/sec.
Cycle time:	0.99 sec.	0.99 sec.
Repeatability:	±0.02 mm	±0.02 mm
Max. moment of inertia:	J5: 0.040 kgm ² J6: 0.010 kgm ²	J5: 0.030 kgm ² J4, J6: 0.007 kgm ²
Total weight (approx):	13 kg	15 kg
Range of motion:	J1: ±160°; J2: ±120°; J3: (VP5) +136°, -128° (VP6) +160°, +19°; J4: ±160°; J5: ±120°; J6: ±360°	
Protection class:	Standard: IP30	
Brakes:	All axes	
Position detection:	Absolute encoder	
Wiring (in-arm integrated):	9 lines (max. 1 A per line)	
Air piping (in-arm integrated):	4 systems (ø4)	
Remarks:	110 V, single-phase option	