

# VP series

(430–433 mm)

## FEATURES

### High speed

Standard cycle time 0.99 sec.

### High repeatability

±0.02 mm

### Very small footprint

160 x 160 mm

### Light weight

13 kg

### Slim 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.

## MAIN SPECIFICATIONS :

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 <sup>2</sup> J6: 0.010 kgm <sup>2</sup>	J5: 0.030 kgm <sup>2</sup> J4, J6: 0.007 kgm <sup>2</sup>
Total weight (approx):	13 kg	14 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, for signaling)	
Air piping (in-arm integrated):	4 systems (ø4)	