

■ NEW VS-SERIES 700 MM

6-Axis Articulated Robot

- **Higher Speed**
0.33 sec. cycle time
- **Same High Precision**
±0.02 mm
- **Same High Payload**
7 kg payload capacity
- **New, Even More Compact Design**
Ultraslim arms facilitate integration
- **New Bottom-Side Cable Connection**
Saves floor space
- **Floor, Ceiling or Wall Mount**
No special hardware needed
- **New IP67 Protection Option**
Resists cutting chips and high-pressure washing
- **New Internal Wiring Option**
Internal wiring for Gigabit Ethernet and servo-gripper connections



Higher Speed, Even More Compact Design

New VS-Series 700 mm 6-Axis Articulated Robot

Extendibility

Port for Gigabit Ethernet



Port for servo gripper

Communication Interface (Option)

- Easy to mount Ethernet device (camera, etc.)
- Easy to mount servo gripper



Previous: External wiring for Gigabit Ethernet and servo gripper



Now: Internal wiring for Gigabit Ethernet and servo gripper

MAIN SPECIFICATIONS * :



	VS068G	VS068G-W
Model name	VS068G	VS068G-W
Number of axes	6	6
Reach (to center of 5th axis)	710 mm	710 mm
Arm offset	J1: 30 mm; J3: 20mm; J6: 80 mm	J1: 30 mm; J3: 20mm; J6: 80 mm
Range of motion	J1: ±170; J2: +135, -100; J3: +153, -120; J4: ±270; J5: ±120; J6: ±360	J1: ±170; J2: +135, -100; J3: +153, -120; J4: ±270; J5: ±120; J6: ±360
Maximum payload	7 kg	7 kg
Cycle time	0.33 sec.	0.33 sec.
Maximum composite speed	10,000 mm/sec.	10,000 mm/sec.
Repeatability	±0.02 mm	±0.02 mm
Max. allowable moment of inertia	J4, J5: 0.450 kgm ² J6: 0.100 kgm ²	J4, J5: 0.450 kgm ² J6: 0.100 kgm ²
Position detection	Absolute encoder	Absolute encoder
Drive motors and brakes	AC servomotors and brakes for all joints	AC servomotors and brakes for all joints
Protection class	IP40	IP67 (air purge) dust- and splash-proof
Wiring (in-arm integrated)	10 lines (17 optional) Max: 1 A per line	10 lines Max: 1 A per line
Air piping option (in-arm integrated)	7 systems (ø4x6- ø6x1)	7 systems (ø4x6- ø6x1)
Air source operating pressure	0.10-0.39 MPa	0.10-0.39 MPa
Air source max. allowable pressure	0.49 MPa	0.49 MPa
Weight (approx.)	49 kg	51 kg