YASKAWA

MOTOMAN SG650

Picking, Packing & Handling with the SG-series

The robust MOTOMAN SG650 scara-robot features a wide motion range due to its compact design.

It is particularly suitable for application when high speed and accuracy is required, for example picking and packing, dispensing and feeding. Small interference contours allow the robots working together in confined spaces. Internal cabling enables a reliable workflow and saves extensive maintenance.

The SG650 is driven by the compact and lightweight YRC1000micro controller.

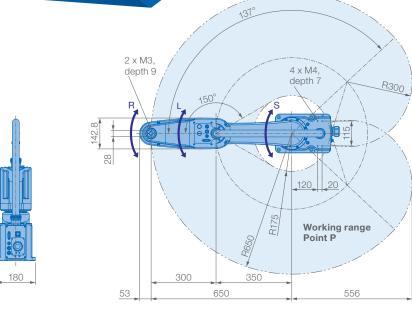
KEY BENEFITS

- Fast, powerful and reliable
- Wide motion range
- Compact and robust design
- Internal cabling
- High repeatability and accuracy
- Ideal for applications in confined spaces
- Easy integration and high dynamics
- Easy maintenance



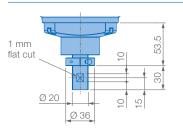


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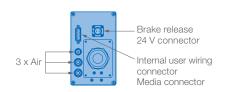


300 350 53 650 556

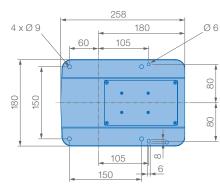
View A



View B



View C



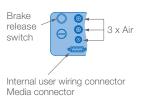
Mounting option: Floor

Maximum payload of the wrist axis and the R-axis allowable inertia

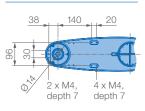
Please make sure that the load (total amount of hand and workpiece) does not exceed the values in the table.

Max. Payload [kg]	6
R-axis allowable inertia [kg · m²]	0.12
Max. allowable eccentric distance of the mass center point [mm]	150

View D



View E



Specifications SG650							
Axes	Maximum motion range [°]		Allowable Allowable moment moment of inertia [Nm] [kg · m²]		Controlled axes	4	
				Max. payload [kg]	6		
S	±137	450	-	-	Repeatability [mm]	±0.01	
L	±150	730	-	-	Max. working range R [mm]	650	
U	+210	1300 mm/sec.	-	-	Temperature [°C]	0 to +40	
R	±360	2500	-	0.12	Humidity [%]	20 – 80	
					Weight [kg]	19	
					Power supply, average [KVA]	1	

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