

Outstanding cost-efficiency and ease of use for significantly lower total operating cost

Built-in controller reduces installation space and cabling requirements

Convenient I/O ports located close to effector (including 24V power supply)

Battery-less motor unit for lower maintenance costs

Operates on AC100V~240V power

Handles up to 6kg with 600mm arm length



■ Specification

Model number		T6-602S
Mounting type		Table Top
Arm length (Joints#1+#2)		600 mm
Weight (cables not included)		22 kg
Max. operation speed	Joint#1-2	4180mm/s
	Joint#3	1000mm/s
	Joint#4	1800 deg/s
Repeatability	Joint#1-2	± 0.04 mm
	Joint#3	± 0.02 mm
	Joint#4	± 0.02 deg
Payload (Load)*1	Rated	2 kg
	Max.	6 kg
Standard cycle time*2		0.49 sec
Joint#4 allowable moment of inertia*3	Rated	0.01 kg·m ²
	Max.	0.08 kg·m ²
Joint #3 down force		83 N
Installed wire for customer use		Hand I/O: IN6/OUT4 (D-sub 15pin) User I/O: IN18/OUT12
Installed pneumatic tube for customer use		ø6 mm x 2, ø4mm x 1 : 0.59 MPa (6 kgf/cm ² : 86 psi)
Power / cable length		AC100-240V/5m
Applicable Controller		Built in controller
Installation Environment		Standard
Safety standard		CE mark

*1 : Do not apply the load exceeding the maximum payload.

*2 : Cycle time based on round-trip arch motion (300mm horizontal, 25mm vertical) with 2 kg payload (path coordinates optimized for maximum speed).

*3 : If the center of gravity is at the center of each arm. If the center of gravity is not at the center of each arm, set the eccentric quantity using INERTIA command.

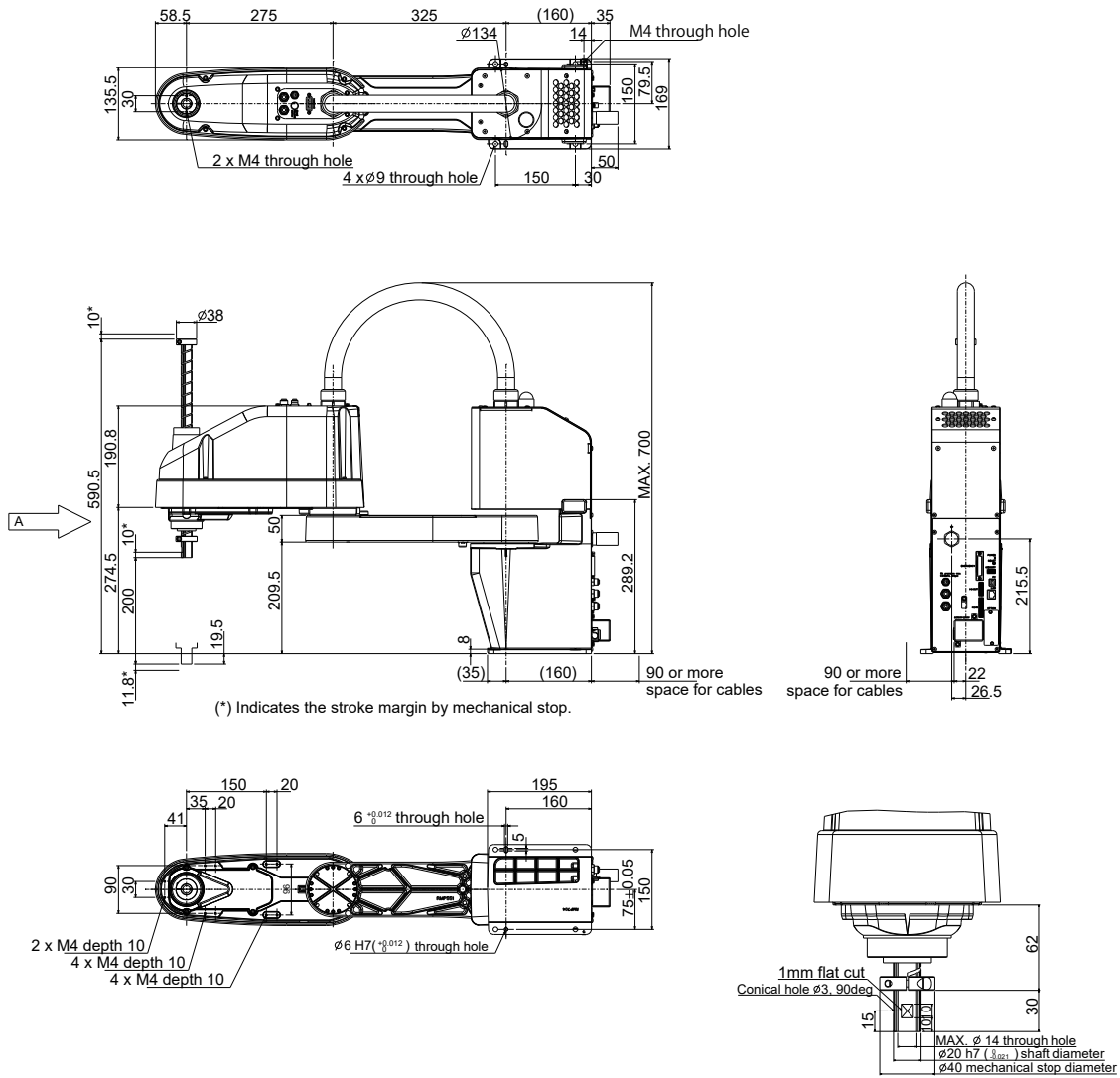
■ Supported controller option

Model name	T6-602S
Teaching pendant TP1	—
Teaching pendant TP2, TP3	●
Conveyor tracking	—
PG motion system	—
Emergency stop switch	●
RS-232C cards	—
I/O expansion cards	—
Fieldbus I/O (slave)	●
Fieldbus I/O (master)	●
I/O Cable kit	—
Vision option PV1, CV2	●
Force sensor option S250	—
Drive unit (DU)	—

■ Supported software option

Model name	T6-602S
Vision Guide 7.0	●
Force Guide 7.0	—
RC+ API 7.0	●
ECP	●
GUI Builder 7.0	●
Force sensing	—
OCR	●

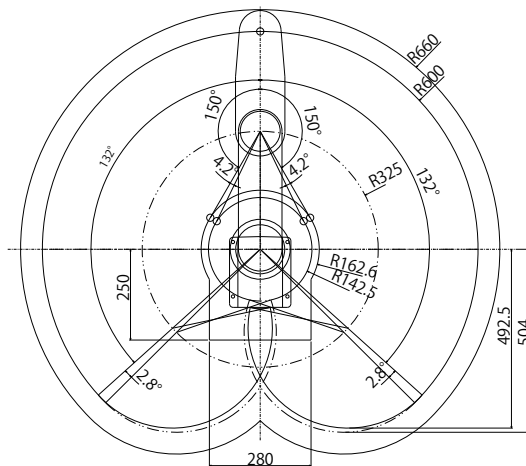
Outer Dimensions (Table Top Mounting) [Unit: mm]



(*) Indicates the stroke margin by mechanical stop.

90 or more space for cables

Motion Range (Table Top Mounting) [Unit: mm]



Detail view from "A"
(Calibration point position of joints #3 and #4)

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Please read associated manuals carefully before installing or using our robot products. Always use products properly as per guidelines stated in the manuals.