

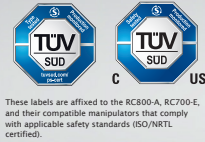
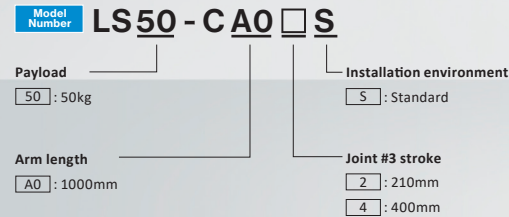
**NEW
PRODUCT**



GYROPLUS
Technology

Unleash higher payload and productivity - without changing footprint

- With the same compact footprint and slim profile as the LS20, the LS50 delivers higher payload and allowable moment of inertia, meeting the demand to handle heavier loads faster - without redesigning your system.
- Battery-less encoder for reduced maintenance



■ Specifications

Model number		LS50-CA02□S	LS50-CA04□S
Arm length	Arm #1+#2	1000 mm	
	Arm #3	210 mm	400 mm
Payload *1	Rated	30 kg	
	Max.	50 kg	
Repeatability	Joints #1+#2	±0.05 mm	
	Joint #3	±0.02 mm	
	Joint #4	±0.01 deg	
Maximum operating speed	Joints #1+#2	6100 mm/sec	
	Joint #3	770 mm/sec	
	Joint #4	660 deg/sec	
Joint #4 allowable moment of inertia *3	Rated	1 kg·m²	
	Max.	2.45 kg·m²	
Installation environment		Standard	
Mounting method		Tabletop mounting	
Weight (not include the weight of cables)		60 kg	61 kg
Installed wire for customer use		D-sub (15 pin x 1), D-sub (9 pin x 1), RJ45 (8 pin x 1, CAT 5e)	
Installed pneumatic tube for customer use		ø6 mm x 2, ø8 mm x 2 (Allowable pressure: 0.59 Mpa [6 kgf/cm² : 86 psi])	
Compatible controller		RC800-A	
Power supply		AC200-240 V Single phase	
Maximum rated capacity *5		2.4 kVA	
Cable length		Standard: 3 / 5 / 10 / 15 / 20 m Flexible: 5 / 10 / 15 / 20 m	
Safety standard		CE, KCs, NRTL	

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

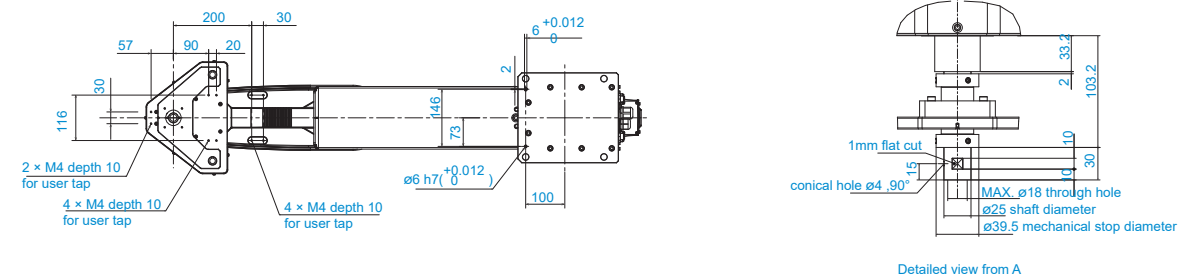
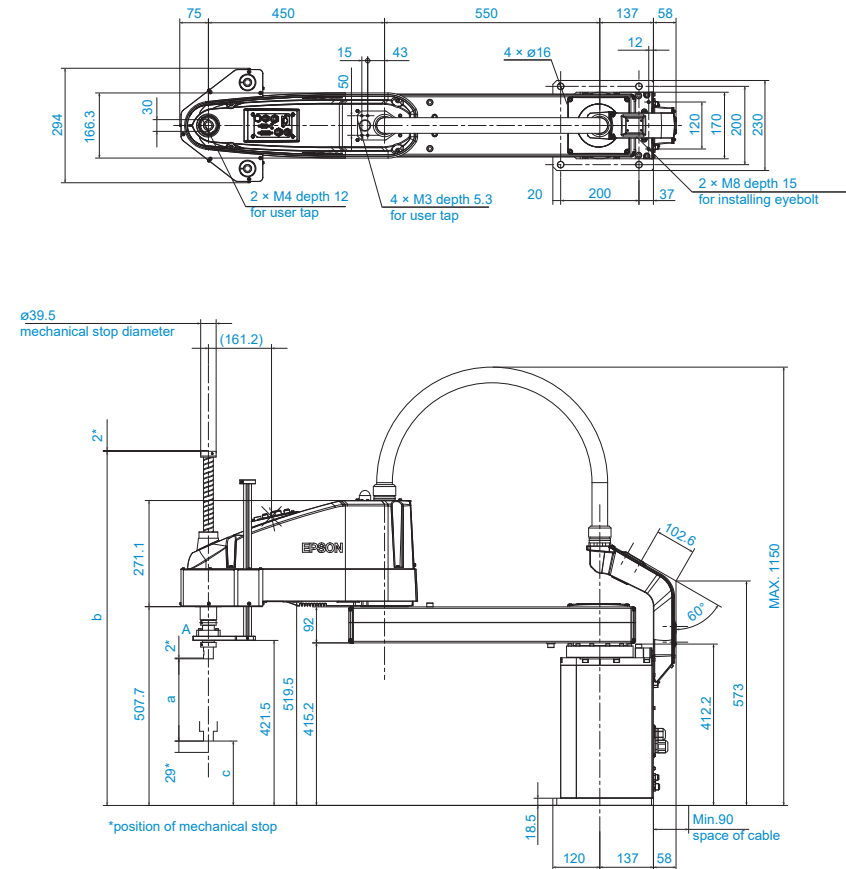
*2: In the case where the center of gravity is at the center of Joint #4. If the center of gravity is not at the center of Joint #4, set the parameter using Inertia setting.

*3: It depends on operating enviroment and operation program.

The values of the products listed in this sheet are measured under various conditions of in-house evaluation. They may vary depending on the environment and conditions of use.

■ Outer Dimensions

[Unit: mm]



■ Motion Range

