

6-Axis Robot

IR-R10 Series

Aesthetically designed robots with high motion speed and rigidity, together with dedicated motor and controller, providing customers with cost-effective solutions.

Scope of Application

Handling, machine loading/unloading, dispensing, deburring, grinding, polishing, welding, and more.

Features

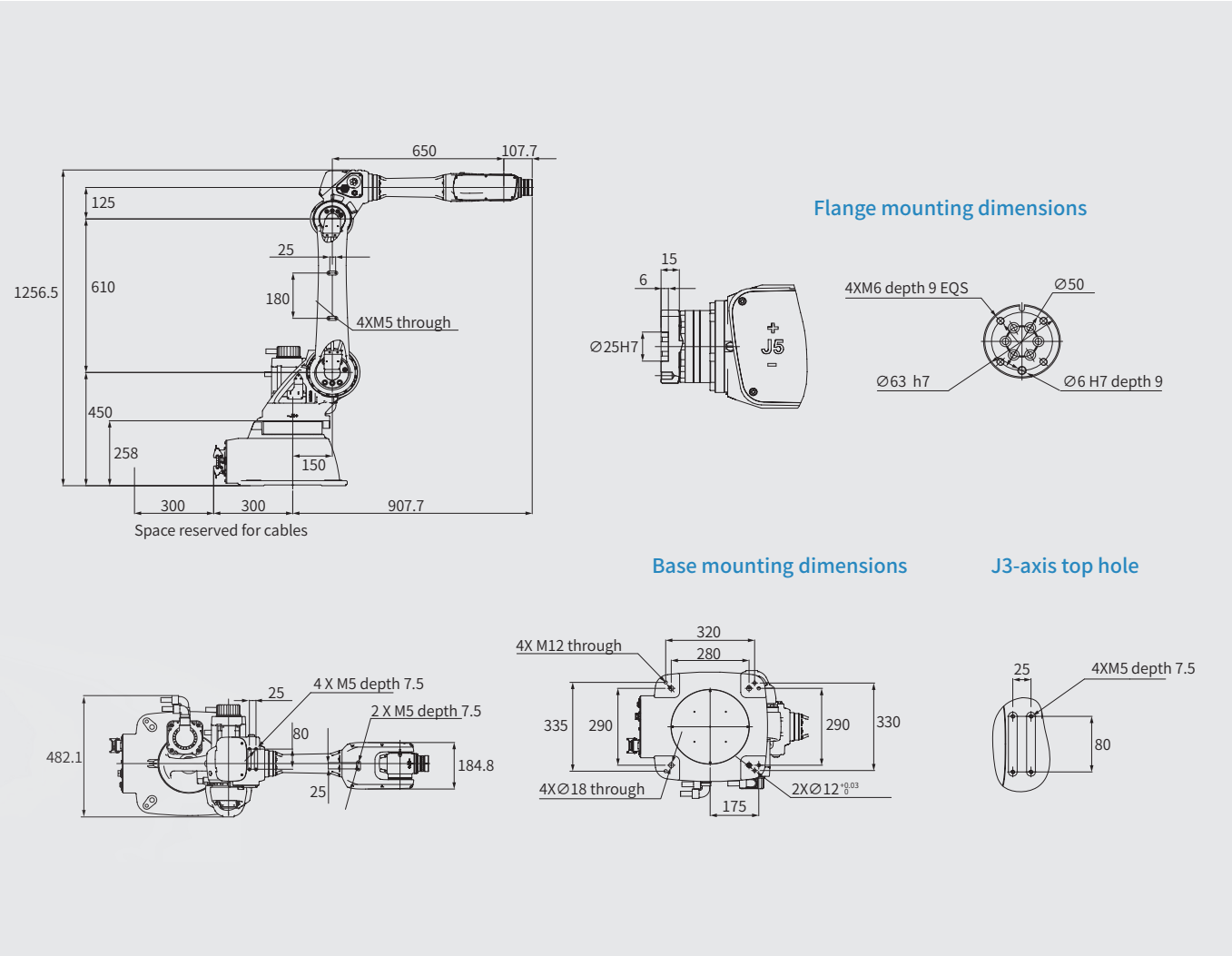
Load	10 Kg
Arm length	1422 mm
Repeatability	±0.05 mm
IP rating	IP65 (IP67 for wrist)



Technical Data

Model		IR-R10-140S5-B1-INT
Structural style		Vertical axis cascading structure
Number of Axes		6 axes
Maximum reach		1422mm
Repeatability		±0.05mm
Maximum load		10Kg
IP rating		IP65 (IP67 for wrist)
Maximum Axis Motion Velocity	J1	200° /s
	J2	200° /s
	J3	200° /s
	J4	375° /s
	J5	375° /s
	J6	600° /s
Axis Motion Range	J1	±170°
	J2	-160° ~+60°
	J3	-80° ~+160°
	J4	±180°
	J5	±140°
	J6	±360°
Allowed wrist torque	J4	22Nm
	J5	22Nm
	J6	9.8Nm
Allowed wrist inertia	J4	0.63Kgm²
	J5	0.63Kgm²
	J6	0.2Kgm²
Customer connections	Wiring	18 signal lines 30V 0.5A
	Air	Φ8 mm x 1, 0.59 Mpa
Operating conditions	Operating ambient temperature	0~45°C
	Ambient humidity	10%~80% (non-condensing)
	Maximum Temperature Gradient	1.5°C /min
Weight		130Kg
Matching controller		IRCB501 high-protection drive-control integrated controller
Mounting mode		Floor mounted
Certification		CE,cSGSUS,KCs,Kc

Mounting Dimensions(mm)



Motion Range(mm)

