

Robot

DCR-2100-50



Highlights

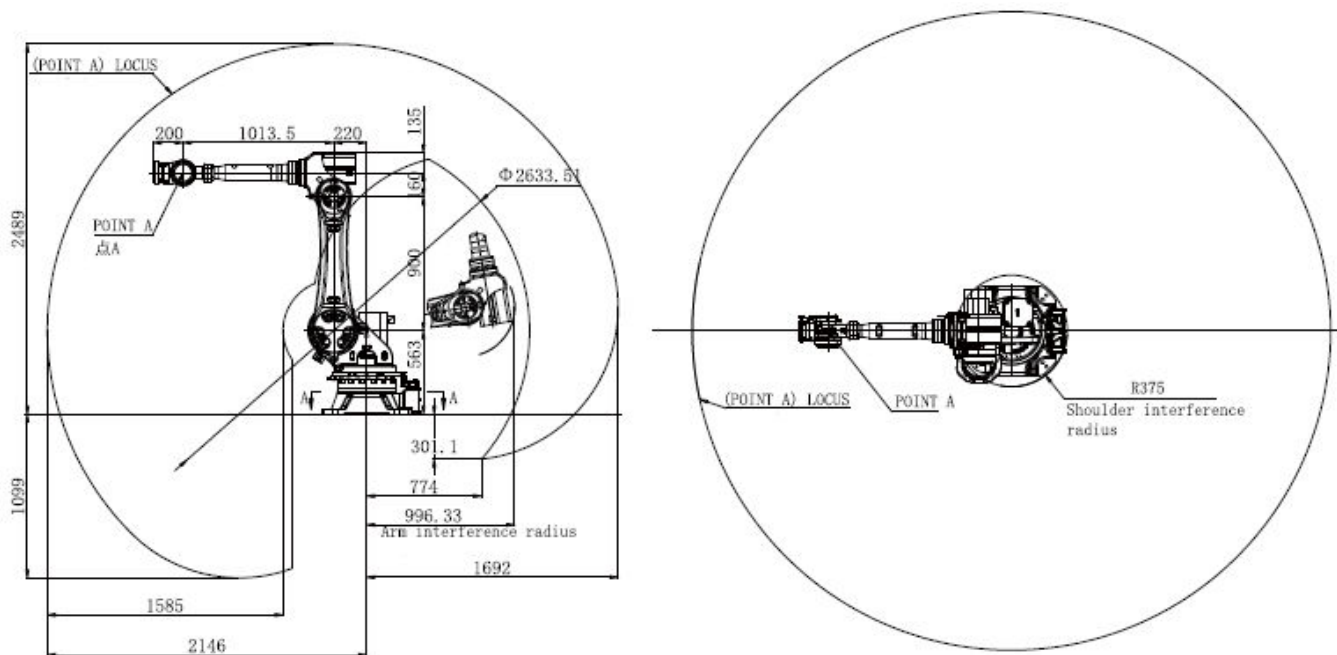
Boost your productivity with our industrial robots designed for heavy-duty applications. Engineered for precision, speed, and reliability.

- Payload **50 kg**
- **6-axis, EtherCAT** communication
- High-speed operation with repeatable accuracy
- Both robot and bending machine **controlled by same CNC**
- **Automatically generated** robot program from the bending program
- **Very quick and simple robot integration**

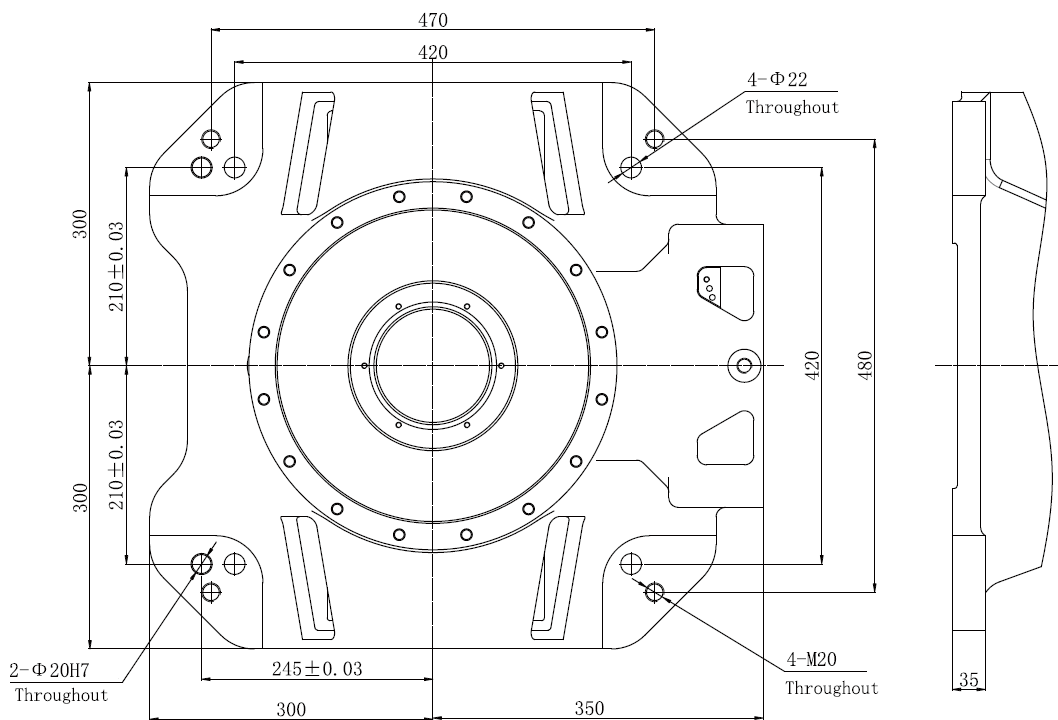
Technical characteristics

Ordering number			DCR-2100-50		
Model		DCR-2100-50	Allowable load moment at wrist	J4	182 N.m
Type		Articulated		J5	182 N.m
Controlled axes		6 axes		J6	120 N.m
Max. payload on wrist		50 kg	Allowable load inertia at wrist	J4	12.68 kg.m²
Repeatability		+/- 0.06 mm		J5	12.68 kg.m²
Robot weight		610 kg		J6	10 kg.m²
Reach		2146 mm	Maximum speed	J1	170°/sec
Robot IP grade		IP54/IP67 (wrist)		J2	170°/sec
Cabinet IP grade		IP54		J3	170°/sec
Drive mode		AC servo drive		J4	270°/sec
Installation		Floor		J5	270°/sec
				J6	365°/sec
Installation environment	Ambient temperature	0~45 °C	Motion range	J1	+/- 180°
	Ambient humidity	RH≤80% (no dew nor frost allowed)		J2	+70°/-130°
				J3	+175°/-80°
		J4		+/-360°	
		J5		+/-115°	
				J6	+/-450°
Vibration acceleration		4.9 m/ s² (< 0.5 G)			

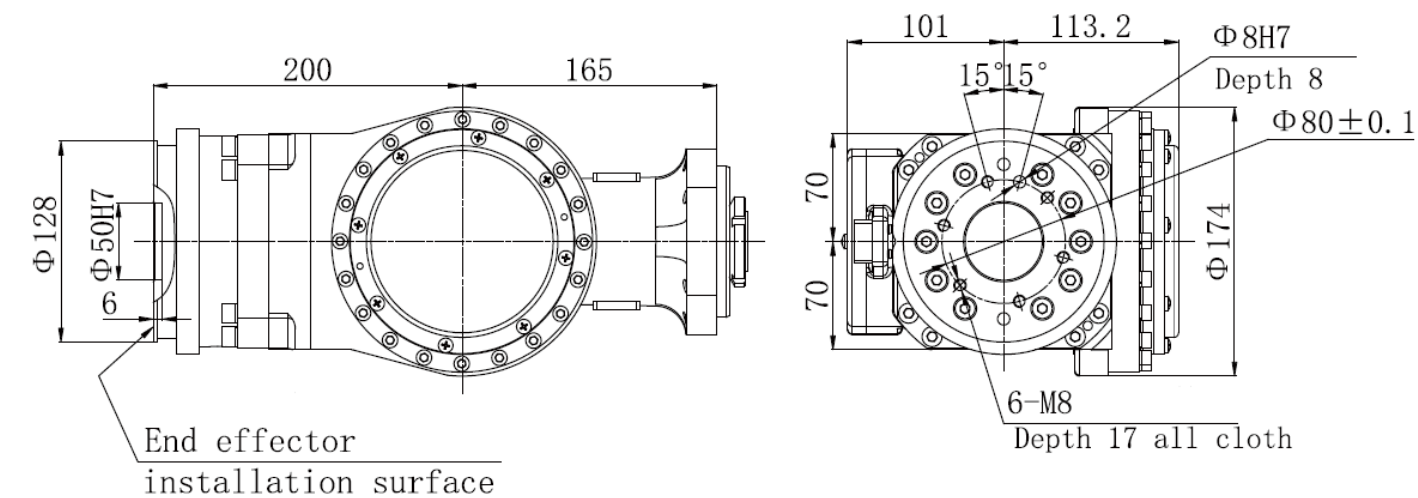
Operation space



Base mounting size



End flange mounting size



All specifications are subject to modification without notice
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