

Catalyst 3&5 Axis Robots

Catalyst™ Series Robots



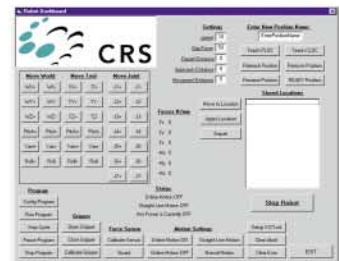
Speed and Versatility – at an Affordable Price

Articulated robots are ideal for applications that require complex movements, such as dispensing or machine loading and unloading. The Catalyst series robots provide users with the ability to select the level of articulation to suit the application. For simple and reliable motion, the 3-axis Catalyst-3 offers speed, robust design, and low cost. For applications requiring more flexible movement without sacrificing speed or reliability, the Catalyst-5 provides five degrees of freedom. The Catalyst-5 also offers a linear track option for tending multiple machines.

Key Features

- Fast: increased throughput and efficiency
- Robust: designed to run 24/7
- Automatic homing: lets you start moving payloads on power up
- End-of-arm connector: lets you integrate end-of-arm devices
- Easy to integrate: advanced software reduces programming time

Catalyst robots can be programmed using CRS's powerful, yet easy to learn RAPL-3 language or with our ActiveRobot™ software. ActiveRobot™ (www.activerobot.com) allows Catalyst robots to be controlled by any object oriented programming language such as Visual Basic®, Visual C++®, Delphi™, or J++®.

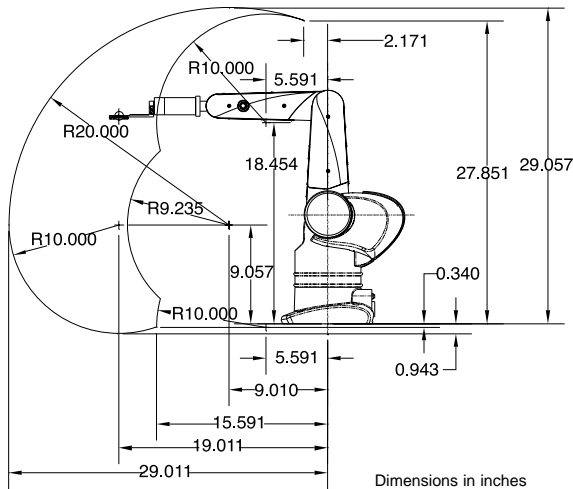


- Lab Automation • Education • Material Application
- Material Handling • Assembly • Product Testing

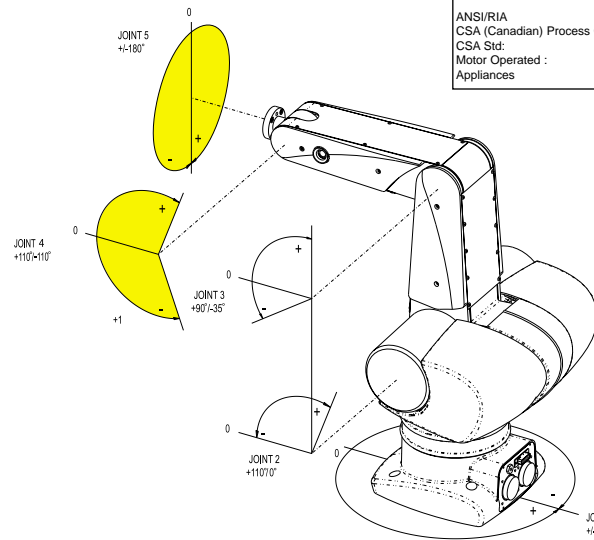


3&5 Axis Robots

Work Envelope:



Range of Motion:



Safety Compliance Standards	
CE (European)	
EM Emissions:	EN55011:1991
EM Immunity	EN50082-1:1992
Machine Safety:	EN775:1992
	ISO 10218:1992 (E)
	EN60204-1:1992
	EN292:191
ANSI/RIA	15.06-1992
CSA (Canadian) Process Control Equipment	
CSA Std:	C22.2 No. Z434-94
Motor Operated :	CAN/CSA-C22.s No 68-92
Appliances	

Features

- Fast, robust, and cost effective
- Automatic homing: start moving payloads on power up
- 3-axis version for reliable, low cost, simple material handling
- End-of-arm I/O connector
- Easy to integrate using advanced CRS RAPL-3, ActiveRobot™, or POLARA™ software.

J4 & J5 Ranges Do Not Apply To CataLyst-3

Performance Specifications

• Payload	1 kg	2.2 lb
• Reach	660 mm w/gripper	25.98 in.
• Repeatability	± 0.05 mm	± 0.002 in.
• Weight		
Cat-3	17 kg	37.4 lb
Cat-5	19 kg	41.8 lb

Speed and Workspace

Axis	Workspace	Max Speed
J1 (waist)	360°	210°/second
J2 (shoulder)	110°	210°/second
J3 (elbow)	125°	210°/second
Cat-5 Only		
J4 (wrist pitch)	220°	552°/second
J5 (wrist roll)	360°	1102°/second

Contact

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Accessory Equipment

- Servo gripper
- ActiveRobot programming software
- Robcomm3 PC-based development software
- Teach Pendant
- Optional air line connector (replaces servo gripper connector)
- Linear Track (CataLyst-5 only)