

CRS CataLyst-5 Articulated Robot

**Speed, Reliability,
Accuracy and Versatility
at an Affordable Price**



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. For applications requiring flexible movement without sacrificing speed or reliability, the CRS CataLyst-5™ provides these and five degrees of freedom. The CRS CataLyst-5™ also offers a linear track option for tending multiple machines.

Key Benefits and 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

CRS CataLyst-5™ robots can be programmed using Thermo Electronics powerful, yet easy to learn CRS RAPL-3™ language or with our CRS ActiveRobot™ software. CRS ActiveRobot™ allows CRS CataLyst-5™ robots to be controlled by any object oriented programming language such as Visual Basic®, Visual C++®, Delphi™, or J++®.



Education • Material Application • Material Handling • Assembly • Product Testing

Analyze • Detect • Measure • Control™

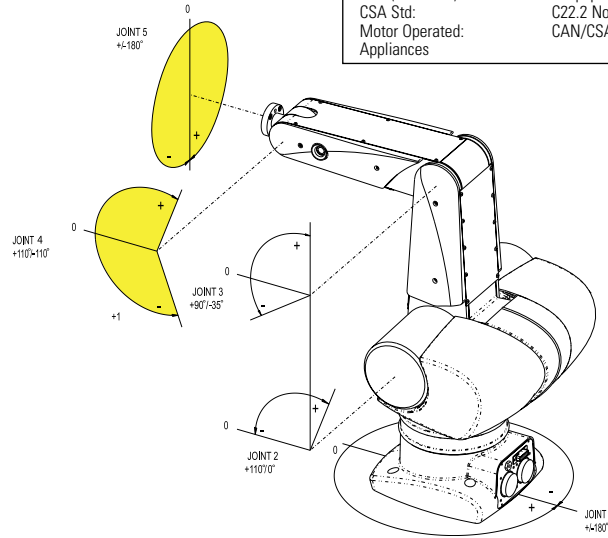
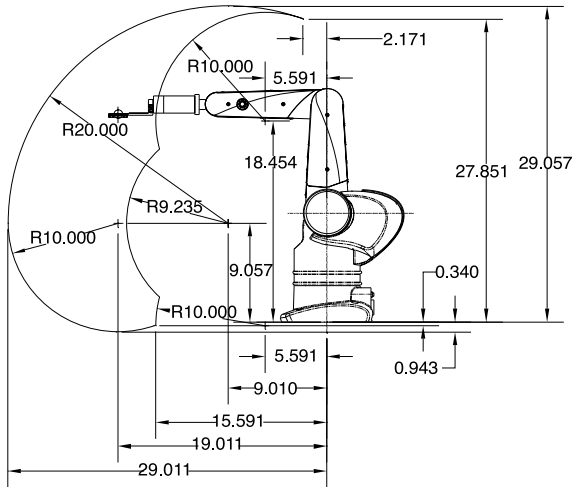
Thermo
ELECTRON CORPORATION

Work Envelope

Range of Motion:

Safety Compliance Standards

CE (European)	EN55011/3:1991
EM Emissions:	EN50082-2:1992
EM Immunity:	EN775:1992
Machine Safety:	ISO 10218:1992 (E)
	EN60204-1:1992
	EN292:1991
ANSI/RIA:	EN954:1997 CAT-1
	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	



Dimensions in inches

Features

- Fast, robust, cost effective
- Automatic homing: start moving payloads on power up
- End-of-arm connector
- Easy to integrate using advanced CRS RAPL-3™, CRS ActiveRobot™, or CRS POLARA™ software.

Performance Specifications

- | | | |
|------------------------|------------|---------------|
| • Payload | 1kg | 2.2lb |
| • Reach (std. gripper) | 660 mm | 25.98 in. |
| • Repeatability | +/- 0.05mm | +/- 0.002 in. |
| • Weight | 19kg | 41.8lb |

Accessory Equipment

- CRS Servo and pneumatic gripper
- CRS ActiveRobot™ programming software
- Robcomm3 PC-based development software
- Teach Pendant
- Linear Track

Speed and Workspace

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

Thermo Electron Corporation. All rights reserved. Technical specifications are subject to change without notice.

Thermo Electron Corp.
5344 John Lucas Drive
Burlington, Ontario
L7L 6A6, Canada

Phone: 905 332 2000
Fax: 905 332 1114
Website: www.thermocrs.com
Email: info@thermocrs.com

Analyze • Detect • Measure • Control™

Thermo
ELECTRON CORPORATION