

ROBOTICS, Inc.

B & CR Series Dispensing Systems

ROBOTICS, Inc. B & CR Series Program-A-Spenser™ Automated Dispensing Systems are ideal for gasketing, potting, encapsulating, sealing, and more. Both Series are designed for high volume problem-free dispensing onto small to large sized parts.



CR Program-A-Spenser™ automated dispensing system with a two-position dial table for increased production volume. Dial table includes adjustable pins for locating multiple parts.



B Series Program-A-Spenser™ automated dispensing system with dual-guns and left and right position part fixtures.

B & CR Series Dispensing Systems

Both Series are based on our proven Program-A-Spenser™ dispensing system technology. They are multi-use dispensing systems with various standard or custom work area configurations such as dial tables, shuttle transfer systems, and others. Line interface logic is included for all on-line applications.

Key Features & Benefits

- **General**
 - Cartesian coordinate systems with standard CNC user programming
 - Allen-Bradley 9/Series CNC controller standard (other options available)
 - Jog box (optional)
 - Programmable z-axis or pneumatic up/down gun movement available
 - Single or dual dispense gun
 - Low maintenance and long life
 - Multiple work envelopes available
 - On-line or off-line designs available
 - Both Series may be customized
- **B Series**
 - Heavy duty system for larger parts
 - Roll screw motion
 - Encoder position feedback
 - Rotary nozzle (A-Axis) optional for shaped beads
- **CR Series**
 - Medium duty system for small to mid-sized parts
 - Ball screw motion
 - Resolver position feedback

Optional Equipment

- **Program-A-Flow™** continuous-output meter/mix one- and two-part material delivery systems
- **Sense-A-Bead™** pressure monitoring & bubble detection subsystem
- High/Low pressure monitoring
- **VisionCheck™** dispensing inspection system
- Part-present and load fault sensing

Other ancillary equipment may include:

- Part fixture or palletized fixturing
- Conventional or UV curing ovens
- 5 or 55 gallon material supply pumps
- Part or pallet conveyors
- Pick & place part handling

What are these Systems?

Both Series are Cartesian coordinate systems with dispensing assemblies which overhang the work region from a single fixed point. Rigid construction and structural weight provide for high-repeatability motion. When integrated with our ancillary dispensing equipment and systems, high-repeatability motion translates into high-accuracy dispensing.

Specifications

	B SERIES	CR SERIES
Dispensing Speed (Max.)	1200 ipm	1000 ipm
Dispensing Speed (Typical)*	400 ipm	150-300 ipm
Repeatability	± 0.0015"	± 0.0015"
Resolution (Controller feedback)	0.0005"	0.0005"
Accuracy	± 0.0025"	± 0.0025"
Payload (Max.)	12 lbs.	10 lbs.
X-Axis Range	24" - 72"	18" - 24"
Y-Axis Range	12" - 24"	18"
Optional Z-Axis	6" or 12"	6"
Motor	DC Brushless Servo	AC Brushless Servo
Footprint (Typical)	5' x 8'	5' x 6'

*Typical dispense speed. Actual speed may increase or decrease depending upon specific application and design variables. Specifications subject to change without notice.

Typical Applications

Applications may be fully- or semi-automated, have different configurations, use plural components, or have other significant differences. Some applications well-suited for our B & CR Series Dispensing Systems are engine and powertrain gasketing/sealing, stamping component assembly, glass sealing, auto interior trim assembly, body panel sealing, and more. For information on automated dispensing systems for very large parts or unusually high dispensing rates, please call.

Information

For more information on our B and CR Series Program-A-Spenser™ Automated Dispensing Systems or other products and services, contact a Representative from our Technical Sales Department:



ROBOTICS, Inc.

Headquarters

2421 Route 9
Ballston Spa, New York 12020
Phone (518) 899-4211 or (800) 876-2684
Fax (518) 899-4230
www.Roboticsinc.com
Email: Info@Roboticsinc.com

Midwest Regional Sales Office

Phone (248) 743-2920
Fax (248) 743-2923

Electrical/Electronics Sales Inquiries

Phone (518) 899-4211 or (800) 876-2684
Fax (518) 899-4230



B Series dispensing system with left and right hand part fixture bays. Each bay holds two parts for dual-gun dispensing.

Systems & Support

Robotics, Inc. has decades of experience designing and building automated dispensing systems. We provide complete system solutions, including start-up and installation assistance, training, field service support, and complete documentation. Our knowledgeable staff is ready to work with you to ensure a quick turnaround and an appropriate system solution. We will help you understand the necessary details of automation and dispensing, including specifying bead properties such as bead width, height, and shape.

We provide both standard systems and custom-designed solutions. Dependent on your specific project considerations, Robotics Inc. staff will design and build a system that is right for you.

Since 1971, Robotics Inc. has designed, built, and supported automated dispensing around the world!

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