



ROBOTICS, Inc.

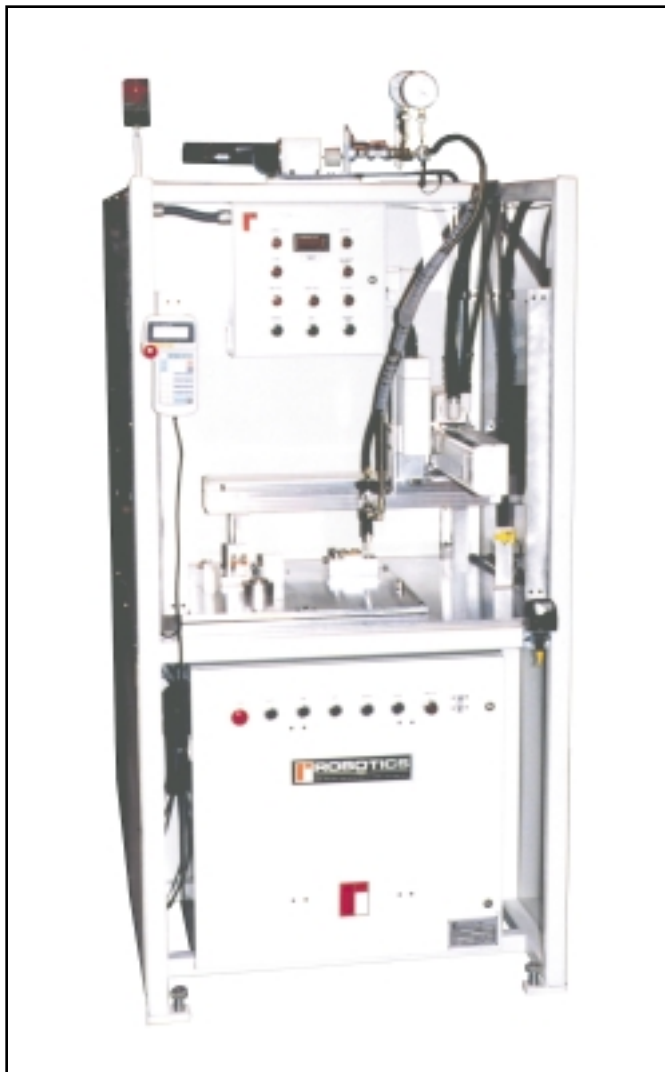
BT Automated Dispensing Systems

PRODUCT DATA

ROBOTICS, Inc. BT Automated Dispensing Systems are ideal for gasketing, potting, encapsulating, sealing, and more. The BT Line is designed for medium to high volumes of relatively small parts and components.



Typical application showing the two-axis BT 1000 performing a potting solution



Shown here is a customized BT 1000 three-axis dispensing system

BT 1000 Systems

BT 1000 Systems are programmable multi-use dispensing systems with full documentation. Both two- and three-axis systems may come with various options such as our:

- Program-A-Flow™** continuous-output meter/mix one- and two-part material delivery systems
- Sense-A-Bead™** pressure monitoring & bubble detection subsystem
- Hi/Lo pressure monitoring
- Part-present and load fault sensing

Other auxiliary equipment may include:

- Gas, electric, or UV curing ovens
- Material supply pumps & conditioning equipment
- Part or pallet conveyors
- Part handling

Key Features

➤ General

- Low cost
- Small- to mid-sized footprints
- Easy user programmability
- RS232C Serial port allows off-line PC programming
- Multi-tasking capabilities
- Variable speed settings
- Adjustable acceleration and deceleration
- All digital controls

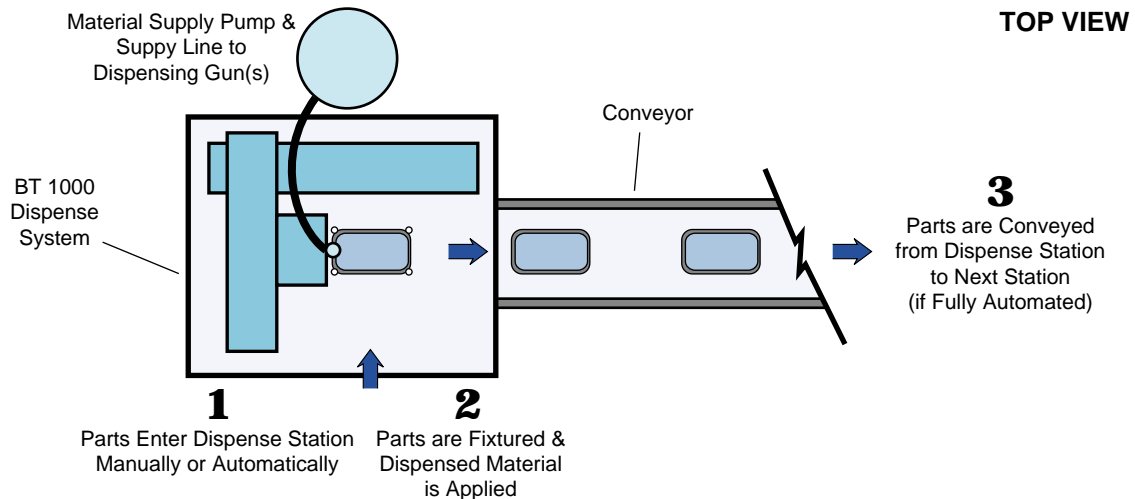
➤ BT 1000 Two-Axis System

- Two (2) AC Servo motors
- Ideal for 2-dimensional bead paths, potting, and other similar applications

➤ BT 1000 Three-Axis System

- Three (3) AC Servo motors
- Ideal for many 3-dimensional bead paths

Typical Layout Scheme



Types of Dispensing Materials

Robotics, Inc. is a specialist in automated dispensing systems for applying an extensive list of materials. BT 1000 Dispensing Systems can be used to dispense virtually any material, such as anaerobics, epoxies, silicones, and urethanes. Our dispensing systems, including auxiliary equipment, are designed to handle adhesives and sealants including high viscosity materials and other difficult-to-dispense or abrasive materials such as silicone adhesives with glass bead components.

Information

For more information on BT 1000 Automated Dispensing Systems or other products and services, contact a Robotics Inc. Sales Representative:



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

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. 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.

Typical Applications

Applications may be fully- or semi-automated, have different configurations, use plural-component materials, or have other notable differences. Some applications well-suited for our BT 1000 Dispensing Systems are electrical / electronics gasketing, connector potting, and small automotive component gasketing. Please call for information on automated dispensing systems for larger parts or unusually high dispensing rates.

BT 1000 System Specifications

Work Envelope Ranges (x-y-z)	(4" - 100") x (4" - 28") x (4" - 20"); each in approximately 4" increments
Robot Speed	2400 inches/minute*
Repeatability	± .0008 inch (x- and y-axes)
Motion Drive Type	Ball screw
Configuration	Gantry / Cantilever

Specifications subject to change without notice.

*Maximum robot speed. Specific application variables may affect actual dispense speed.

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

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