



**ROBOTICS, Inc. GC 1000 Dispensing Systems are ideal for gasketing, potting, encapsulating, sealing, and more. The GC 1000 is designed for high volume dispensing onto relatively small- to medium-sized parts.**

### GC 1000 Dispensing System

Based on the advanced Robotics, Inc. **Program-A-Spenser™** dispensing system technology, our GC 1000 is designed for high volume high accuracy dispensing. The GC 1000 may include 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 system
- Hi/Lo pressure monitoring system
- Part-present and load fault sensing
- Vision inspection
- Our single and multiple automated syringe loader

Other auxiliary equipment may include:

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



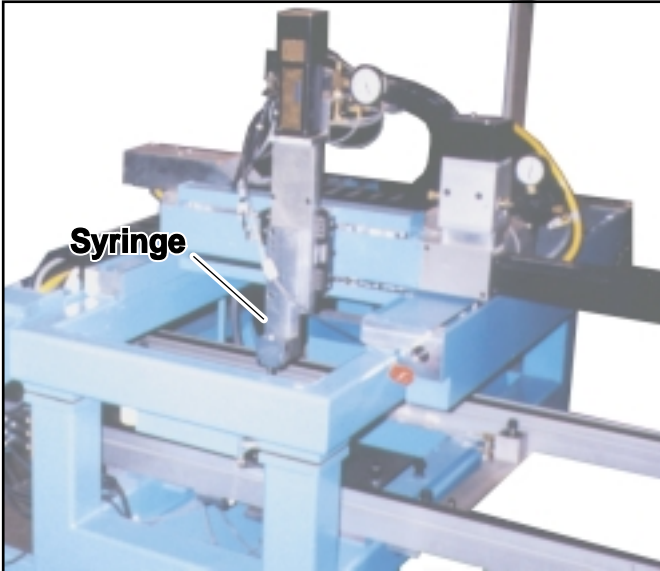
The three-axis GC 1000 indexes a pallet of parts on its conveyor

### Key Features

- > Gantry-based Cartesian coordinate design
- > Abundant multiple-program memory
- > High degree of control of both motion and logic
- > Smart operator interface panel
- > Motion "jog" pendant
- > High speed asynchronous belt conveyor
- > Complete product documentation



Shown here are two in-line GC 1000 Program-A-Spenser™ Dispensing Systems (with the control cabinets in the foreground) coupled with a Robotics, Inc. conveyORIZED CNV Curing Oven completing an automated "dispense-and-cure" system. The GC 1000 may be fully integrated with any production line.



Shown here is a GC 1000 Dispensing System equipped with an optional single-syringe dispensing arm

## Types of Dispensing Materials

Robotics, Inc. engineers are specialists in automated dispensing for an extensive list of materials. GC 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 GC 1000 Automated Dispensing Systems or other products and services, contact a Representative from our Technical Sales Department:



### Headquarters

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### Midwest Regional Sales Office

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### 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

The GC 1000 Dispensing Systems are designed specifically for integration into fully-automated production lines. Some applications well-suited for our GC 1000 Systems include electrical/electronics housing gasketing, conductive adhesive bonding, potting, EMF sealing, electrical bonding, pattern dispensing, and small- to medium-sized automotive component gasketing. For information on semi-automated dispensing systems, systems for smaller parts, or requirements not suited to the GC 1000, please call. We have a comprehensive line of dispensing systems for your particular needs.

### GC 1000 Specifications

|                              |                                   |
|------------------------------|-----------------------------------|
| <b>Work Envelope (x-y-z)</b> | 24" x (12" or 18") x (2" or 5.5") |
| <b>Robot Speed</b>           | 600 inches/minute*                |
| <b>Repeatability</b>         | ± 0.0005 inch                     |
| <b>Resolution</b>            | 0.0005 inch                       |
| <b>Motion Drive Type</b>     | Ball Screw                        |
| <b>Configuration</b>         | Gantry                            |

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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