Dispense Works Inc

RG Series Robotic Dispenser

Sealing - Filling - Doming - Gasketing - Solar Panel

A Smart Solution

Simply The Best

The RG Robot system is optimized for fluid dispensing of virtually any materials using all technologies available today.

Each axis is constructed with our unique precision ground structure **not** on aluminum extrusion for machine tool like precision and performance. These systems are ideal for high speed/payload applications.

A Logical Design

The overhead gantry offers flexibility in tooling/fixturing with no mechanics or electronics below the dispensing plane. This allows conveyor implementation from front to back or side to side, as well as indexers, shuttles, etc. Furthermore, it may be used to "straddle" existing conveyors.

Available in dozens of standard X Y Z travel combinations up to 4 ft X 8 ft for full panel processing. Custom sizes are available.

Latest Embedded Technology
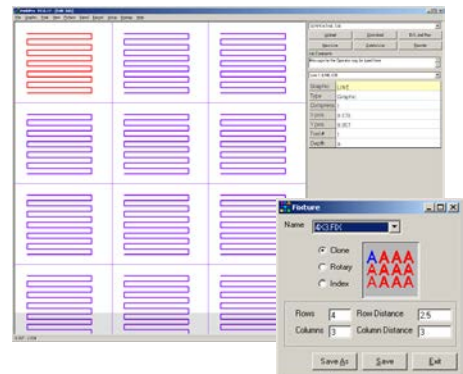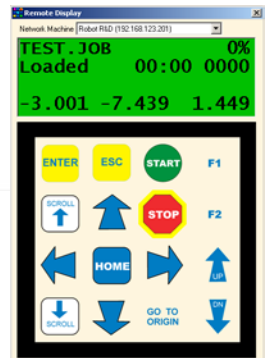
Network LAN Connectivity

Modular Construction

The system includes an embedded (dual memory) processor and CF memory card for true multi-tasking & real time performance. The machine is connectable to your network (LAN) or RS-232. Hundreds of files may be stored on the machine for quick changeover. Built-in step & repeat "Pallet" files simplify setups. Bar code scanner input will allow selecting jobs from a label or work order.

A True File Based Solution

The obvious advantages of a file based system:
"Your machine will be better tomorrow than it is today"
The ability to upgrade the machine's software by downloading a single file, ensures that your investment will be as prudent as it is productive.
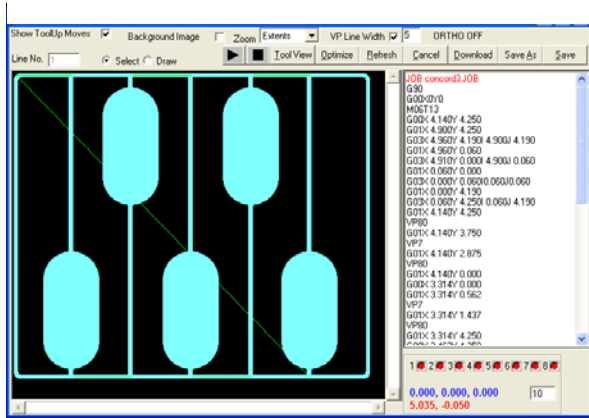
Built-In Digital Valve Controller

No external valve/syringe controller is required. This means much faster response times and control because all motion patterns and valves are controlled in "real time" from the main program. Furthermore, editing or modifying a program is all done in one file.
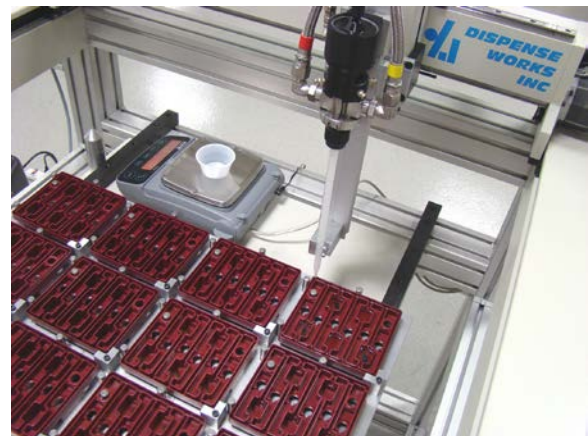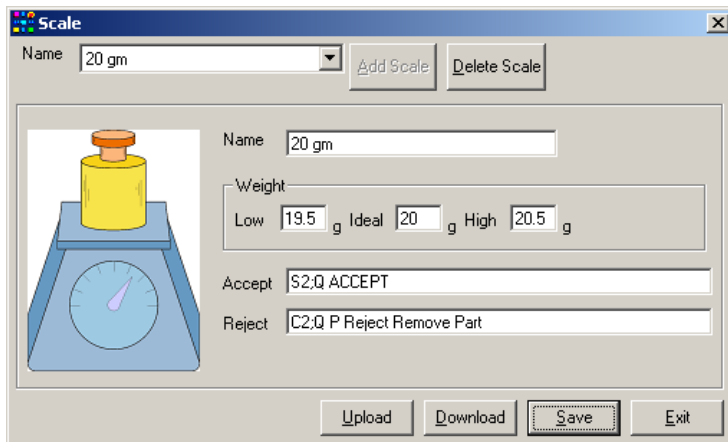
Advanced Graphical Programming

Pre-programmed features allow you to "see" the material volume that will be dispensed and easily edit any values and geometries in our software *after* importing a CAD file. You may "save as" another name for initial setups.

On Board Scale SHOT SIZE Calibration Station

An optional integrated (& removable) scale allows quick and accurate system adjustments for measuring shot size(s) Just enter the values in the "Low to High" window. Several scale files may exist in the machine. The controls include "parking & purging" functions for the valve controls.

Track Your Production Data

Production information is stored after (& during) each cycle. This includes a date & time stamp for each cycle.

The History file may be accessed from the Windows Suite and then printed, copied into a report or saved as a spread sheet file. Other "flags" such as a pause or any interruptions during production are tracked as well.

Production History File

Limitless Customizing Capability

Ideal For 2 part Epoxy Apps!

Free Standing

Pallets / Conveyor

With Custom Carts

All systems are designed & manufactured in our clean, state of the art facility on modern CNC equipment to the industry's most stringent quality control. All software (& machine firmware) is written by us as well.

Over 25,000 sq ft is dedicated to research / development & high tech assembly. The systems feature time proven designs with pre-engineered stations requiring minimal "custom" tooling for rapid deployment.

DISPENSE WORKS INC   **815-363-3524**   **www.dispenseworks.com**   **RG1006**