

RF Series Robotic Bench Top Dispenser



Filling - Tipping - Capping - Assembly Systems

A Smart Solution



Simply The Best

The RF Robot system provides a unique solution for streamlining your manual filling and capping operations with one precise and affordable bench top package.

The machine features big performance and is available in several configurations to best suit your unique requirements.

A Logical Design

A programmable gantry robot is used to position the filling / capping head over each pallet position performing the required operations. All stations are directly controlled in one program.

Generous 24" x 15" Travel Area in a Truly Space Saving Compact Bench Top Package.

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.

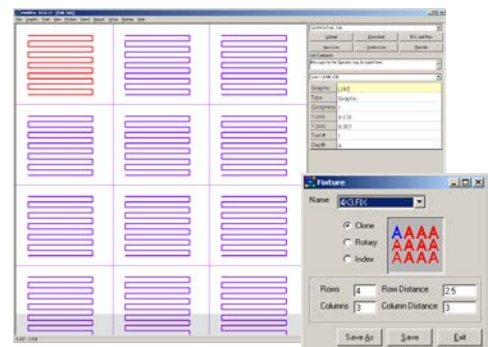


A True File Based Solution

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.

The Operator's Choice

Just press the foot pedal. Your operators will appreciate the ergonomics and ease of use with the machine, its setup, calibration and file management system. Your techs will love the zero maintenance, machine tool quality construction.



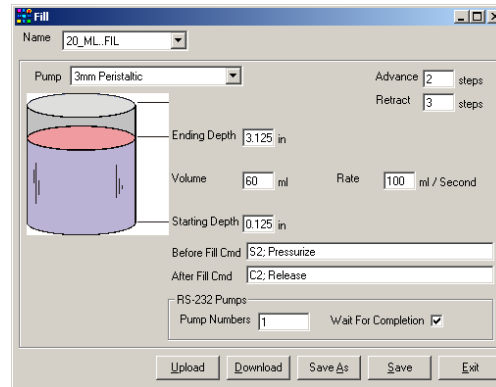
Pre-Programmed Functions

Advanced Filling Performance

Fill files control the peristaltic (or positive displacement) pump with simple menu entry:

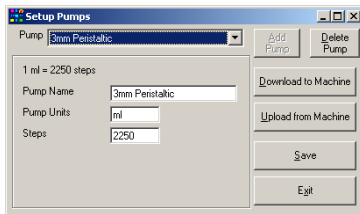
- Volume
- Position
- Diving nozzle
- Snuff-back
- Logic (additional)

A limitless number of Fill files may exist in the machine. Just save or save as. Ideal for future expansion.



On Board Pump Calibration

Allows calibrating the peristaltic pump with the system controls. Just enter the actual weight from a sample. Automatically adjusts all encoder values. Several pump files may exist for different tubing sizes, nozzles, etc.



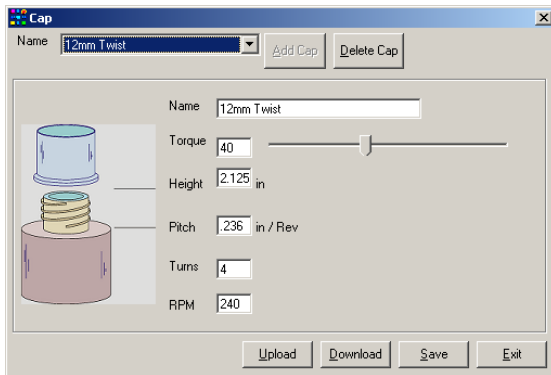
3mm Peristaltic
Expect: 45.00
Actual: 44.98
Calibrate (Y)

Control Capping Torque & Cap Pitch

Cap files control the station with simple menu entry of pre-programmed parameters:

- Bottle height
- Cap thread data
- RPM & Number of turns
- Torque

A limitless number of Fill files may exist in the machine. Just save or save as. Ideal for future expansion



Track Your Production Data

Production information is stored after (& during) each cycle. This includes the volume of each filled bottle / vial.

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

Production History File

Date	Time	Job	Count	Run Time
01/13/04	00:17	THIS	#0004	00:06
01/13/04	00:15	0	#0005	00:10
01/13/04	00:14	THIS	#0001	00:10
01/07/04	22:54	TEXTJOB	#0001	00:16
01/07/04	22:54	LINVATRC	#0001	00:19
01/06/04	23:34	THIS	#0148	00:17
01/06/04	20:48	0	#0335	00:11
01/06/04	19:47	LIN	#0002	00:04
01/06/04	19:46	KEYBOARD	#0031	00:26
01/06/04	19:27	TEXTJOB	#0002	00:05
01/06/04	19:26	KEYBOARD	#0001	01:03
01/06/04	18:51	LIN	#0000	00:00
01/06/04	18:50	KEYBOARD	#0003	00:36
01/06/04	18:48	KC	#0001	00:05
01/06/04	18:47	010504-1	#0014	00:00
01/06/04	01:14	KEYBOARD	#0001	00:37

Easy Palletized Production



650 ml Square Bottle



125 ml Square Bottle



60 ml Square Bottle



10 ml Round Vial



2ml Cryo Vial

Ideal For Screw-on or Snap-fit Caps

Containers may be processed with their caps screwed on or with the caps supplied loose.

Software logic is included for either scenario.

Standard pallet designs for hundreds of container sizes:

- Square
- Round
- Cryo Vials
- Specials



Example pictures at right:

- Dispensing tooth whitening gel (from 5 gallon container)
- Assemble (press fit) brush into case
- Assemble cap (snap fit) onto case
- Apply label to bottom of each tube

10 finished assemblies per minute

Mini labeler capable of serialization / date coding

FDA / GMP medical construction



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 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.