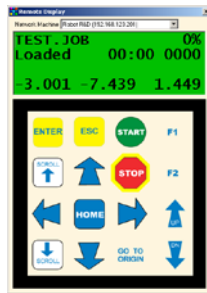


### Common Controls

All systems share our exclusive Robotic Embedded Control System (RECS) with built-in motion and I/O controller.

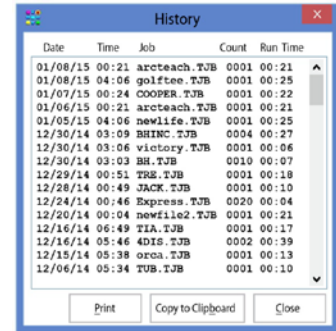
A bright LCD screen and 16 key touchpad provide the interface. No PC is required.



### History Files

A convenient history function displays detailed production information at the touch of a button. Date & time may be recorded to each machine cycle.

A Copy and Print function is included for production reporting.



Date	Time	Job	Count	Run Time
01/08/15	00:21	arcteach.TJB	0001	00:21
01/08/15	04:06	golftee.TJB	0001	00:25
01/07/15	00:24	COOPER.TJB	0001	00:22
01/06/15	00:21	arcteach.TJB	0001	00:21
01/05/15	04:06	newlife.TJB	0001	00:25
12/30/14	03:09	BHINC.TJB	0004	00:27
12/30/14	03:06	victory.TJB	0001	00:06
12/30/14	03:03	BH.TJB	0010	00:07
12/29/14	00:51	TRF.TJB	0001	00:10
12/28/14	00:49	JACK.TJB	0001	00:10
12/24/14	00:46	Express.TJB	0020	00:04
12/20/14	00:04	newfile2.TJB	0001	00:21
12/16/14	06:49	TIA.TJB	0001	00:17
12/16/14	05:46	4DIS.TJB	0002	00:39
12/15/14	05:38	orca.TJB	0001	00:13
12/06/14	05:34	TUB.TJB	0001	00:10

This dual memory processor along with Compact Flash card is the latest embedded control technology available today.



### Connection Flexibility

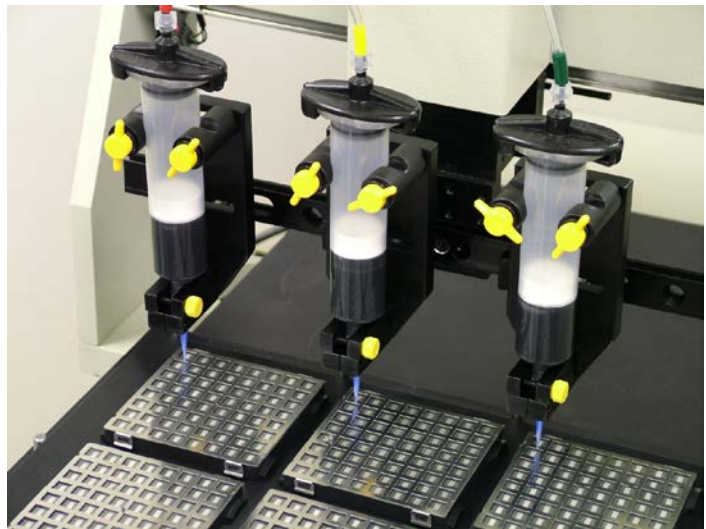
The machine is connectable to your network (LAN) or RS-232. Hundreds of files may be stored on the machine for quick changeover.



Bar code scanner input will allow automatic job selection from a work order, label, etc.



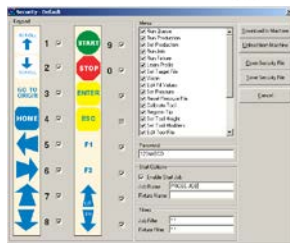
Additional I/O and component interfaces are available to satisfy virtually any application



### Protects Your Investment

Each machine includes a security file that enables only the features, settings and controls required for the task.

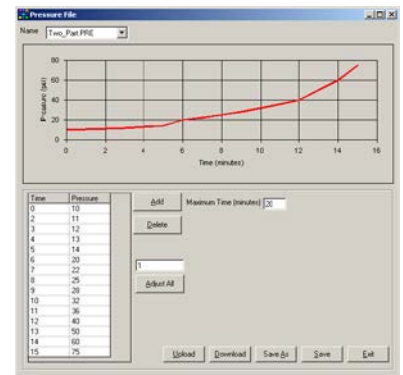
This file is user configurable and password protected.



### Built-In Digital Valve & Syringe Controller

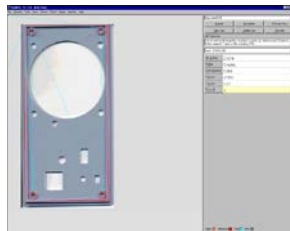
No external valve/syringe controller is required. This means much faster response times because all motion patterns and valves are controlled in "real time" from the main program.

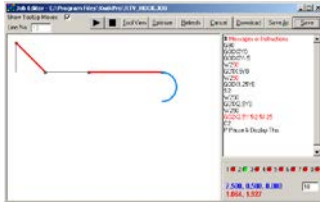
Furthermore, working with and editing a program is all done in one file.



### Visual Pattern Layout Screen

Import images of your parts directly into the software and use them for a template to set up your dispensing pattern. Supports several file types.





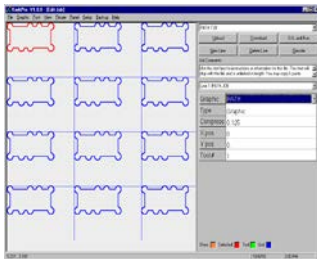
### Dynamic Program Builder

Build your dispense path / program with the dynamic editor. Draws the path as you type it, or as you teach it, directly from the machine.



### Modular Controller Design

Plug in components and processor allow quick changeover for serviceability and easy custom expansion.



### Dozens of Functions

Cloning is one of the many time saving features that are included in the control package.

Define in standard Row/Column format or import custom points from a CAD file.



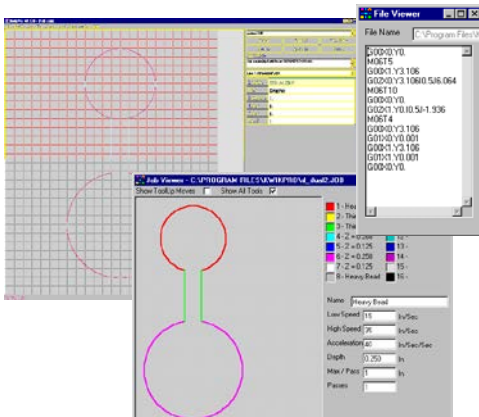
### Machine Tool Quality

Next generation digital brushless High Torque programmable motors and ultra-precise lead screws provide the performance that Dispense Works systems are known for.



### Control by Color

Simply import the motion path from your CAD file. If you teach the path with the machine, the pattern will be drawn on the screen with G code that you may save and edit. Then change the colors on the entities (lines, arcs, dots, etc) to control. Now fill in the numbers in the Tool file for speeds, depths, settings, etc. No other system comes close to this power / simplicity ratio. It really is that simple!



Name	Low Spd	High Spd	Accel	Z Feed%	Depth	Clear	Depth/Pass	Passes	Laser Pwr	Dwell	Pause	A/F Out	Disp Rate	E Shutoff
1. Dispense Epoxy	1	7	400	75	0	0	5	0	100	250	0	1	2000	125
2. UV Cure	1	7	400	75	.500	1	5	1	100	125	0	2	2000	200
3. Cyanocrylate	1	10	100	100	1	0	5	1	100	100	0	6	225	250
4. Epoxy 1	1	4	100	50	0	2	5	0	100	250	0	1	2500	250
5. Epoxy 1	1	4	100	50	0	0	5	0	100	225	0	1	200	250
6. Epoxy 4	1	4	100	70	.25	.1	5	1	100	50	0	4	100	250
7. Epoxy 4	1	8	200	60	0	.1	5	0	100	50	0	2	100	250
8. Lube	1	6	100	100	0	.1	5	0	100	355	0	2	100	125
9. Grease # 4	1	8	100	100	.050	.1	5	1	100	125	0	1	255	125
10. Solder Paste 1	1	8	100	100	0.50	0	5	1	100	220	0	1	3000	50
11. Solder Paste 2	1	7	100	100	0	0	5	0	100	125	0	1	5500	50
12. Solder Mask BL	1	3	100	100	0	0	5	0	100	0	0	2	450	50
13. Solder Mask Pk	1	3	100	100	0	2	5	0	100	0	0	2	25	525
14. RTV GE	1	3	100	100	0	2	5	0	100	20	0	2	250	300
15. RTV Sil Gard	1	3	100	100	0	2	5	0	100	20	0	1	250	500
16. Paste	1	1	100	100	0	0	5	0	100	0	0	1	250	350

## Remote Diagnostics

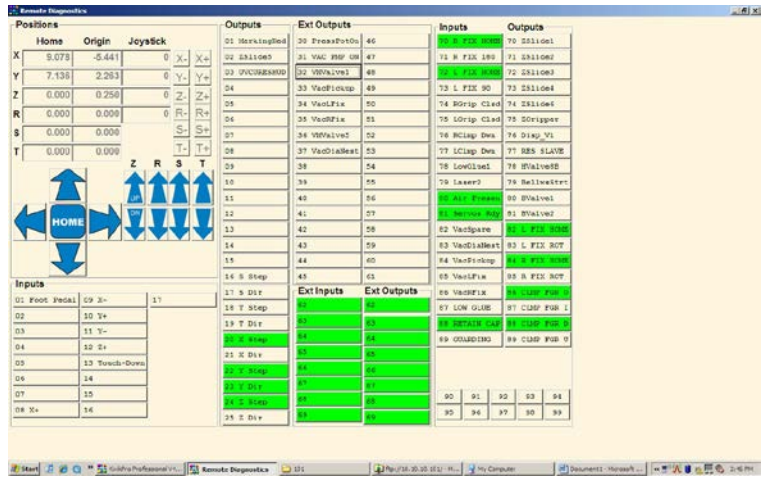
Powerful tool allows viewing machine status in real time with access to all inputs, outputs and all axes of motion.

Great for setup and debugging the system and working out or modifying a program.

All buttons are user labeled for clear identification and change color when activated.

Includes: Motion Control, Inputs, Outputs, Limits

This Remote Diagnostic file resides on the Compact Flash card in every machine.



## Pre Programmed Functions

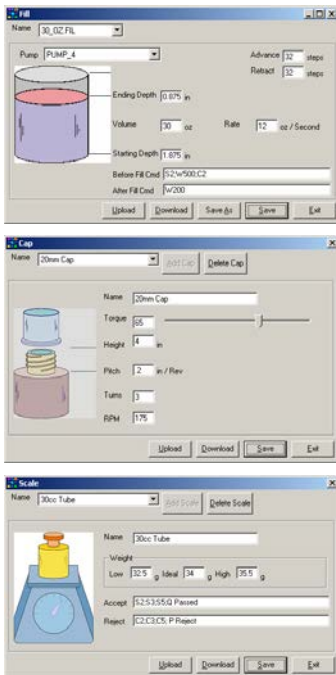
That's right. No programming experience required. Instead, intuitive graphical based dialog screens step the user through setup of canned functions.

Just fill in the blanks and save the file. Several files may reside on the CF card in the machine.

Your program simply "calls" that file by name and all motion, outputs, timers, etc., execute automatically.

### Fill – Cap – Scale

Files are just three of the dozens of functions included with our Windows Software Suite.



## Optimize Motion Path Function

Left image is imported from a "raw" DXF file. Note the motions are erratic with no optimization. The Optimize function will redraw the image "looking ahead" to connect points for a logical continuous contouring motion. The algorithm will also control the connected circles to execute in CW and CCW motion (figure 8) for no change in velocity during the dispensing cycle. Furthermore, the program is greatly shortened.

