



EZ-64

ROBOTIC DISPENSING SYSTEM
With Built-In DIGITAL VALVE CONTROLLER



The Smart Way to Dispense

Simple and Powerful



Electronic Fixturing allows step & repeat production in an unlimited array of rows & columns. Mix & match the fixture files with the dispensing files!

The EZ Robot will automate that tedious manual dispensing operation with a streamlined, fast and fully automatic process that you will be proud to bring to your production floor.

The system is designed to automatically dispense a variety of materials including adhesives, pastes, grease, sealant, epoxies, etc. from virtually any type of valve or syringe.

The EZ is self contained in a truly compact space saving desktop package.

Built-in Digital Valve Control

With Early Shut-Off and Digital Timers

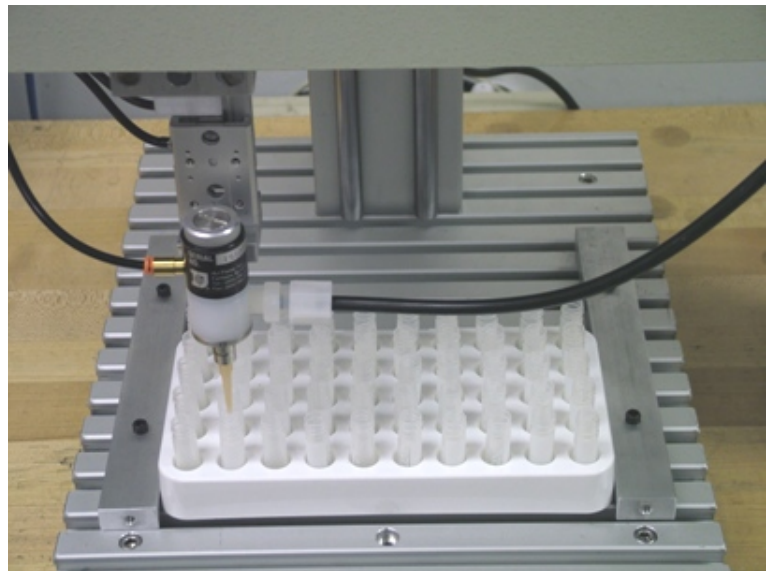
Super Speed Technology

A Logical Design

The system features a unique built-in high speed X-Y-Z slide system which moves and positions the dispense head over your product following any path. **This means your parts remain stationary.**

Because your parts do not move, extremely fast machine cycles are possible without disrupting the dispensed fluid. Thus fixturing becomes simpler and your parts may be automatically indexed or conveyed into position. Ideal for new or existing automation applications

A universal mount and **quick connect** for any valve, syringe, or nozzle to suit virtually any application.



A generous 6" x 4" x 12" height work area in a truly compact bench top package. No PC is required for operation or programming!

It Just Can't Be Any Simpler



Smooth & Fast Continuous contouring motion paths with "look ahead" technology and Vector Velocity control

The Operator's Choice

The embedded real-time controller with dual memory can store thousands of dispensing paths limited only by the size of the included **Compact Flash Card**.

Dozens of enhanced features are included along with on-board file management.

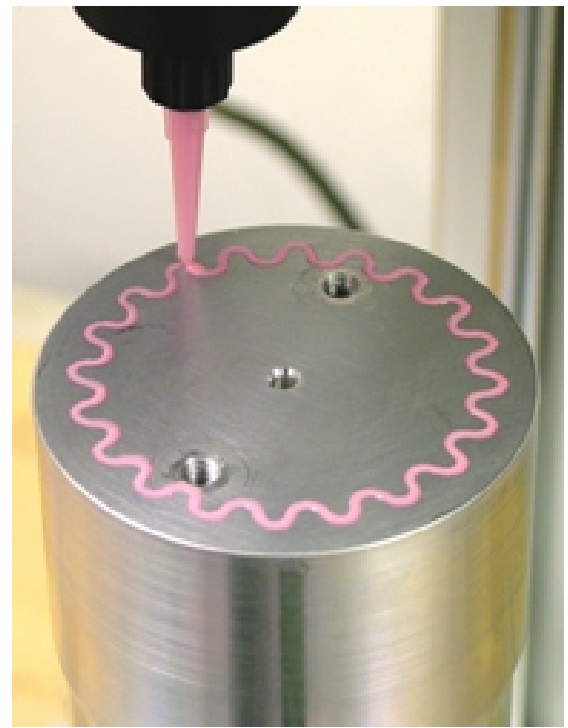
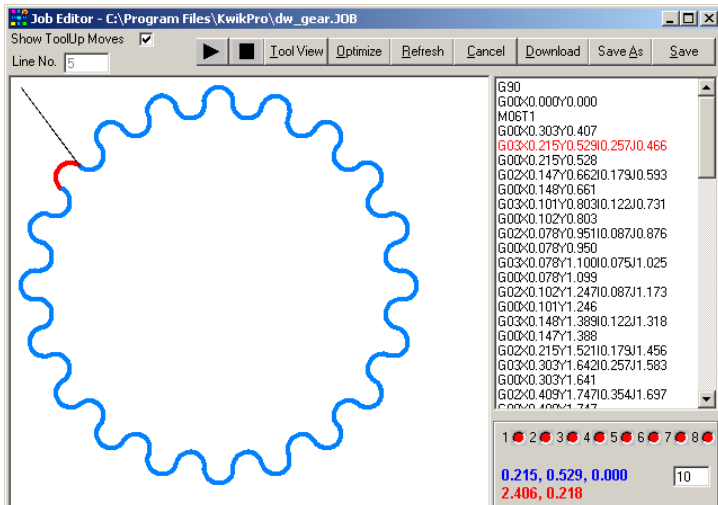
An intuitive touchpad and bright LCD screen display cycle time, batch count, % of completion and dozens of other real time machine status updates to the operator at all times.

These units are quickly becoming the operator's choice with a rich list of features that outdistance the competition at any price point!



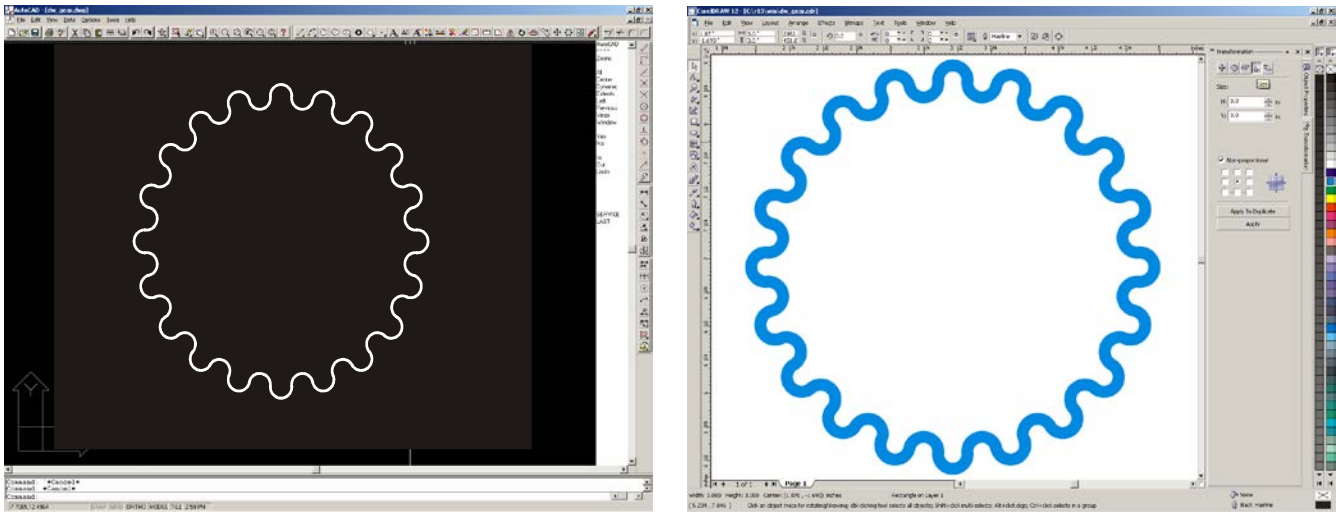
Unlimited Program Size and Storage

The included Compact Flash Card stores all job files, setup parameters etc. File size and storage is limited only by its capacity. No processor / memory limits to number of lines, CAD path, number of stored files, etc.

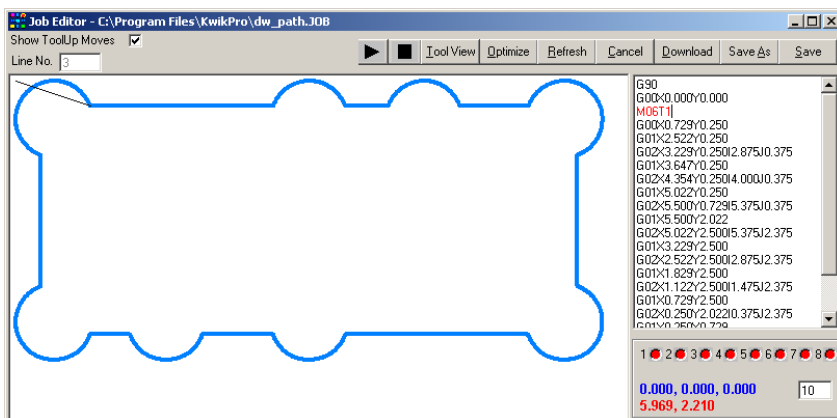
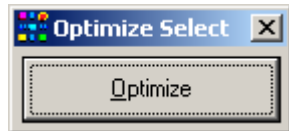
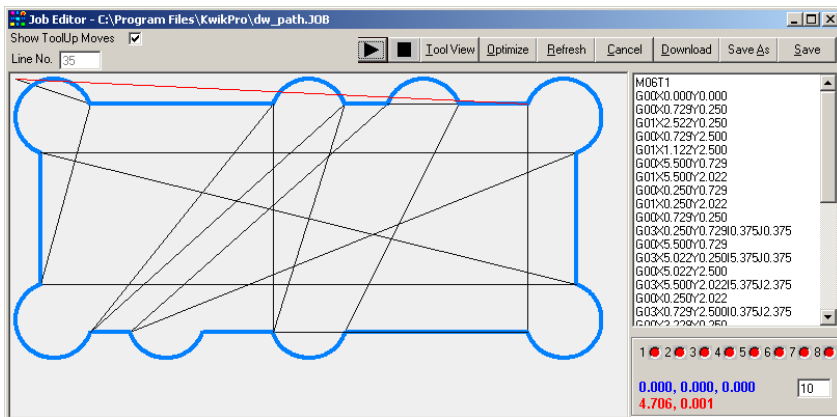


Beautiful, consistent beads regardless of the path geometry. Early shut-off and digital timer close path with minimal "blob"

Easy Setup and Motion Optimization

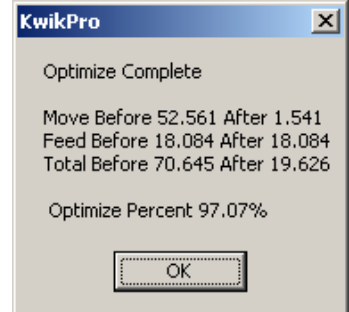


Import images from hundreds of available CAD and even low cost graphics software packages to define your dispensing path. The machine automatically controls the rest. Just like a printer. It really is that simple!



BEFORE

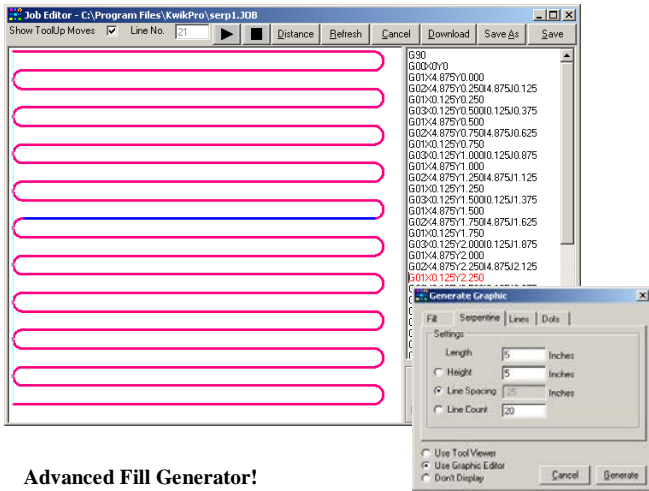
A Raw DXF or PLT file exported from AutoCAD. Excessive and random moves render it useless for a dispensing application.



AFTER

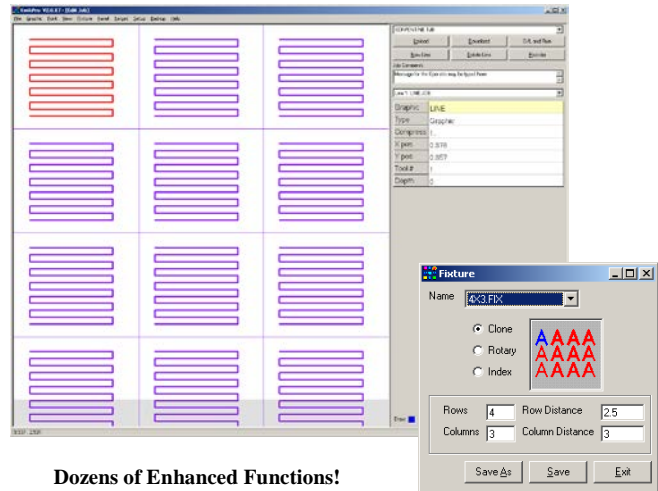
The new streamlined path is now optimized and continuous with only one up & down move. Cycle time and program length are greatly decreased.

Optional Windows Software Suite Features



Advanced Fill Generator!

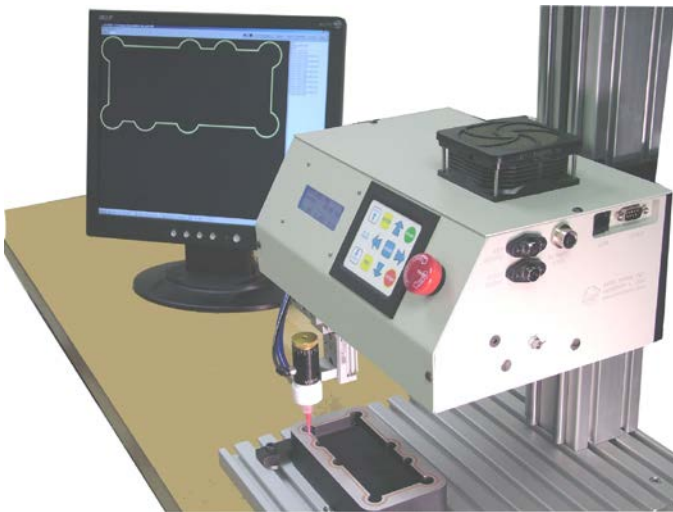
Choose from serpentine, line, or other fill patterns, including dots, to create a motion path for potting, damming, filling, spraying



Dozens of Enhanced Functions!

Cloning is one of the many time saving and machine streamlining features that are included in the Dispense Works control package.

Tooling & Fixturing Available

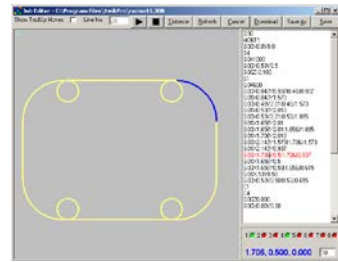


Ethernet Connectivity

Each system features a LAN connection to plug into your network for fast and convenient upload / download and machine control functions. Dozens of utilities are included to manage files, produce reports, modify programs, etc.

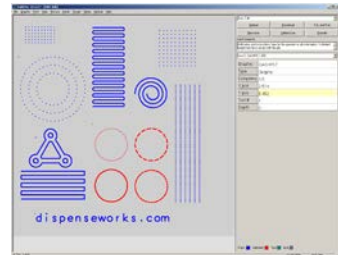
Bar Code & RF Scanner Input

A standard bar code or RF scanner may be used to select which pattern to run from a pallet label, sensor or work order.



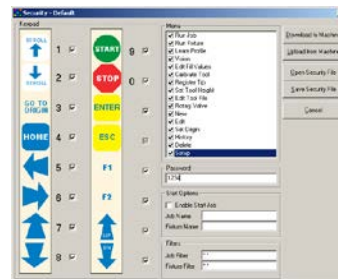
Jog & Teach Path w/ Viewer!

If a PC is connected, the Jog & Teach routine “draws” the path on the screen in real time during the process. This becomes a legitimate path file which may be saved and edited.



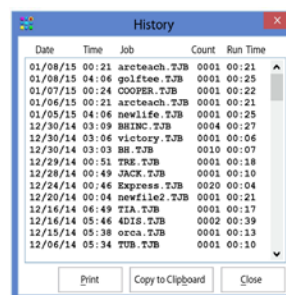
Preset Dots, Fills etc!

Combine several paths at multiple levels. Import CAD files or use the on-board pattern generator to create dots, lines, serpentine fills, etc. Even a font generator is included



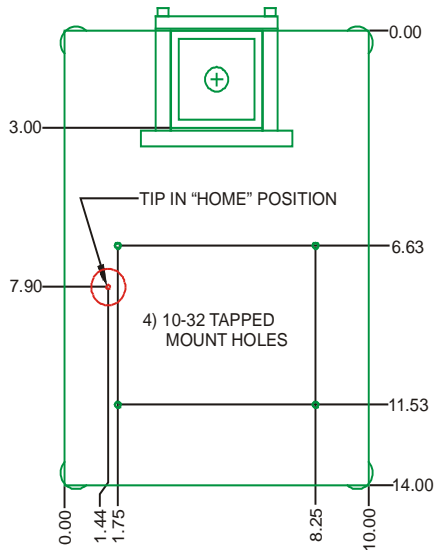
Security Password Protection!

Full security control to any level of menu and keypad functions for any production environment.



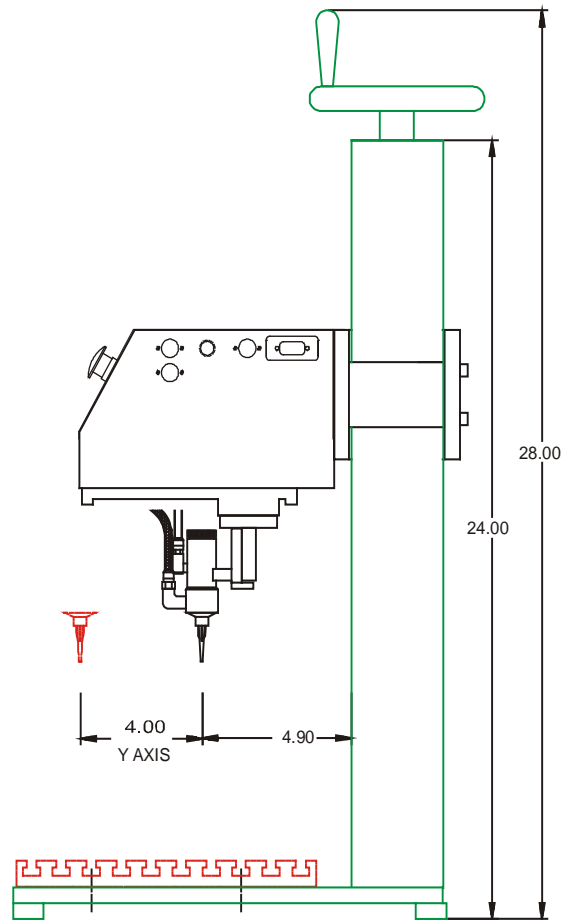
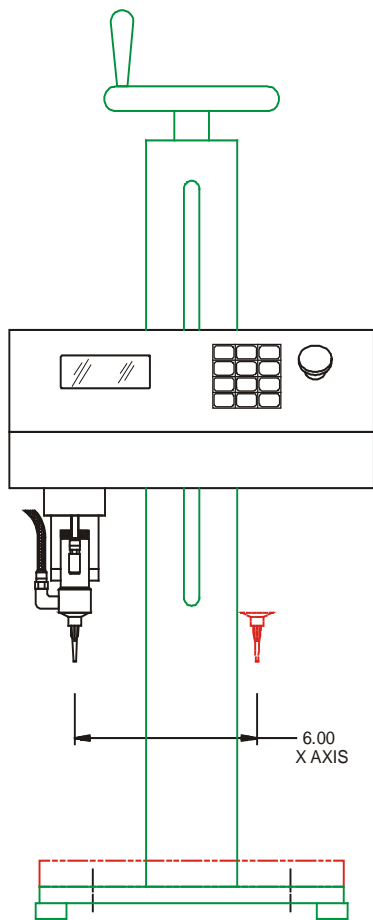
Detailed History Function

A convenient history display shows detailed production information in a “spread sheet” format at the touch of a button. This may be printed or pasted into a production report.

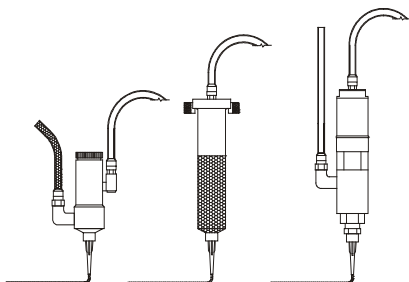


DISPENSE WORKS INC

System Dimensions Shown
With Diaphragm Valve



Shown With Optional T-Slot Base Plate



With the adjustable base/column, the EZ system provides an efficient manual work cell as well as a self contained station positioned over a conveyor or index dial. Network (LAN) & RS-232 connections included.

The embedded dual memory processor controls any type of dispense valve or syringe available today. No external controller or PC is required!

Control Specifications

membrane touchpad interface
bright 4 line LCD display
Compact Flash Card file storage
embedded controls; No PC required
one button homing and origin routines
look ahead motion technology
vector velocity control
time touch sensitive jogging keys
no pendants or handhelds required
PS2 detachable keyboard (included)
detachable foot pedal option
detailed 240 page operations manual
dual speeds for cylindrical work
constant surface speed on cylinders
resettable origin with display

Dispensing Features

quick job setup
jog & teach function
converts 'taught' programs to G Code
sub routines
digital valve control
font filling ability
global timer
multi level dispensing
dots
dam & fill
6" x 4" x 12" XYZ work area
optional programmable Z axis
pre tapped mounting on base
quick air and fluid line disconnects

Perfect For:

- **Dispensing**
- **Filling**
- **Spraying**
- **Potting**
- **Sealing**
- **Assembling**
- **Positioning**
- **Custom Applications**

The EZ-64 Dispensing system and associated software / firmware is the property of Dispense Works Inc. For the purpose of improving this or any of our products, any of these specifications are subject to change without notice. **R-1506**

Enhanced Features

coordinated motion control
step & repeat (clone) function
pause & resume
last file recall
user definable function keys
outline routine defines work area
file editing / deleting
external I/O control
pre-job / post-job commands
real time job info display
real time fixture info display
rotary axis support & creation
index axis support
Z axis support
coordinate translation

Display Functions

batch counter
cycle timer
percent of completion display
x-y-z position readout
history display
files and fixtures in memory
machine status display
time & date
on board diagnostics
LAN & Rs-232 communications
advanced teaching commands
back up capability
distance from home & origin positions
fault indication

Windows Utility Functions

visual job viewer
Windows setup utility
manual I/O control
speed settings
motion parameters
time / date download
rs-232 communications

Optional Software Suite

dynamic job editing and animation
.DXF & .PLT & G code import function
reordering of path lines
job comments text box
supports optional vision system
selectable tool path view
definable grid line display
.DXF & .HPGL & G-code file viewer
background image scan for layout
imports 7 types of background files
background image scale control
background image positioning
background image contrast control
function key incrementing
setup utility
full color image control
detailed history display
cloning (step & repeat)
one button backup
visual layout of cylindrical objects
visual layout of multi sided objects
upload / download files



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