Kwikmark Windows Software Suite
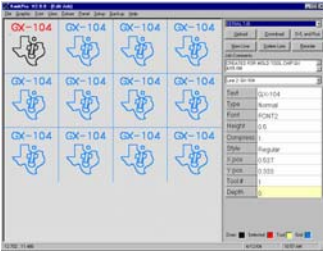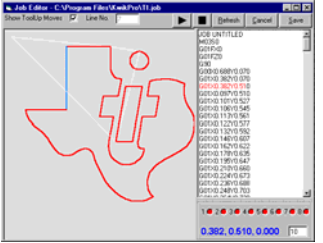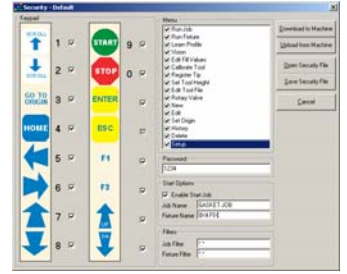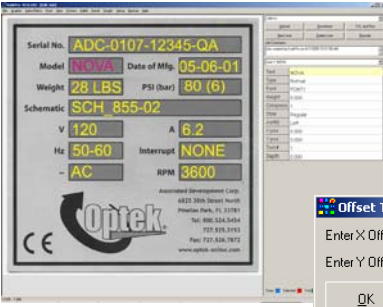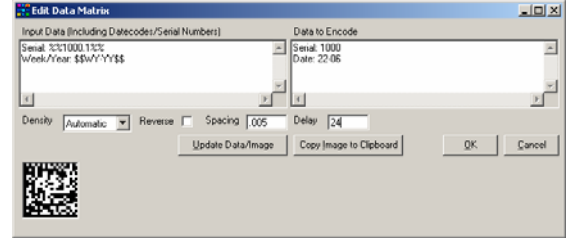
Dozens of Enhanced Functions
Cloning is one of the many time saving and machine streamlining features that are included.
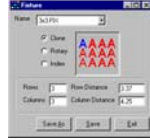
Security Files
Lockout any keys and/or menu functions. Password protected.

View Edit and Simulate
You may create a logo directly in the software or just import fromHPGL, .DXF .PLT or G-Code files.

Visual Tag Layout Screen
Import images of your tags directly into software and use them for a template. With *TEACH or TYPE* positioning.

2-D Bar Code Marking
Latest version of Data Matrix supports variable data such as date/time coding and multiple level serializing. 31 codes and automatic size mode.
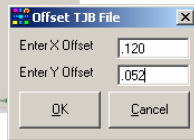
Universal Offset
Provides a convenient global X and Y axis offset that will move all of the lines in a file.

Move Commands
Add "move" lines with the click of a mouse, to miss obstructions.
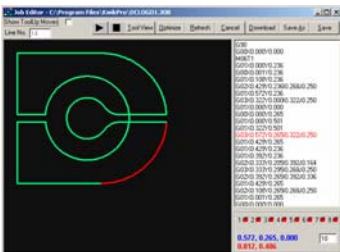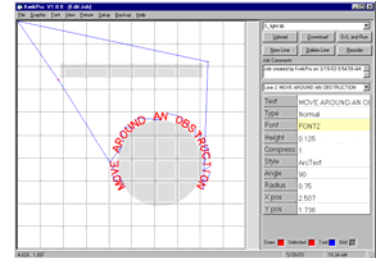
Fully Exploded Graphics
All imported files allow editing, scaling, rotating, stretching etc, directly in our software.

Compression Tools
Easily fit text within a desired area regardless of shape.
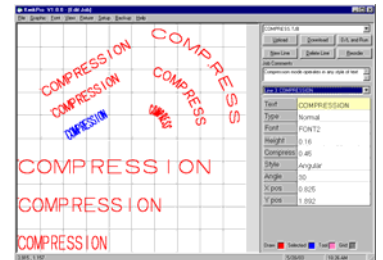
Detailed History Function
A convenient history function displays detailed production information at the touch of a button.

Ethernet Connectivity
Just setup the IP address on the machine and connect to your network.

```
Net Setup      [ 10 half ]
IP      192.168.123.201
GWay   192.168.123.254
Mask   255.255.255.0
```
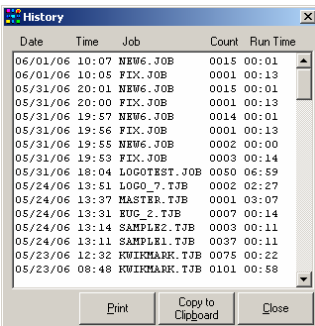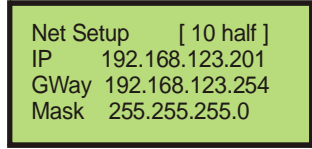
Image Lines
Upon import, all graphics are "exploded" so you may edit, rotate, stretch, scale, move, etc directly in our software.

Pre-Drawn Images
Basic images of arrow, box, circle, etc are provided. Each may be stretched, rotated, scaled, etc, for your marking application.
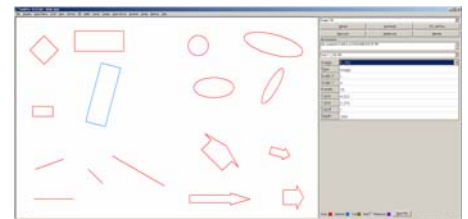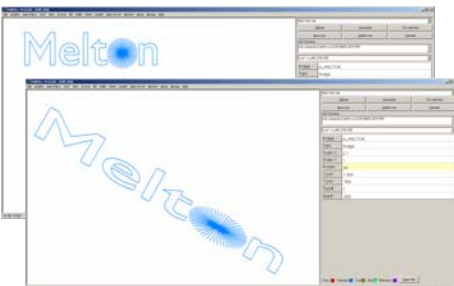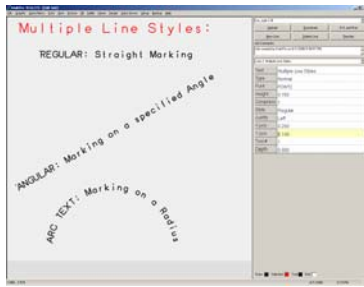
Multiple Line Styles
Each line may be marked in straight, angular, or arc text mode. Each line has its own list of properties such as font height, justification, etc.

Multiple Line Types
Mix and match different text lines, graphics and codes without limitation. Accepts variable data from Windows server. bar code scanner, external files, instruments etc.

Windows Server
Control your system(s) from a remote PC and send external variable data from data bases & spreadsheets.

Commands and Functions
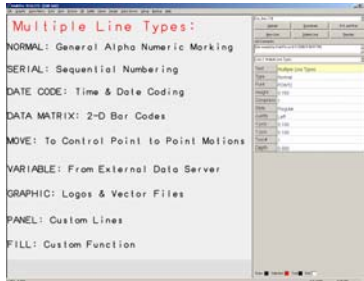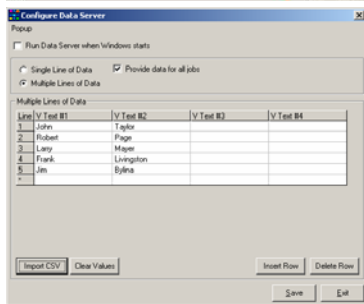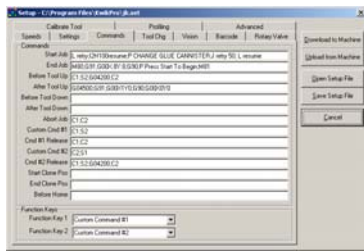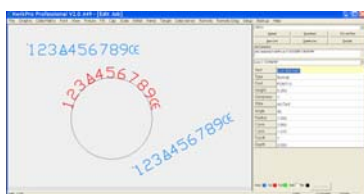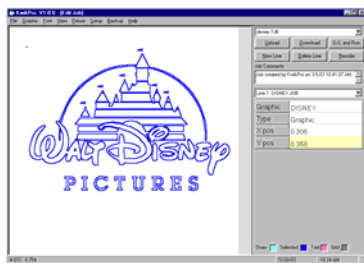Any of the supported commands and G Codes may be input at different parts of the machine cycle.

Custom Fonts & Logos
Custom Fonts allow marking logos (graphics) as embedded fonts to automatically follow the text line(s)

Graphics Flexibility
Graphics become "files" that may be downloaded (similar to a font file).
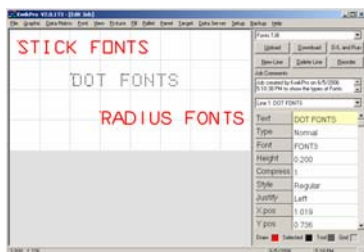
Font Types for all Marking
A selection of fonts is included to satisfy any marking requirement. Stick, 5x7 dot, 6x9 dot, radius,etc.

Convenient Preferences
Easily set the work environment to best suit your preferences and marking applications.
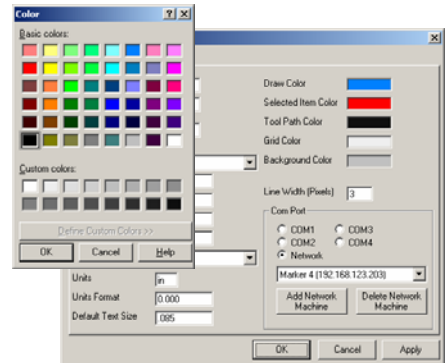
Fixture Mode Display
Conveniently display the fixture file with the marking file to proportionally show the image as it will be marked on your parts.
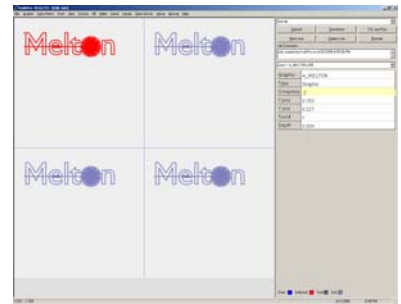
Powerful Optimization

BEFORE
A Raw DXF logo file exported from AutoCAD.

AFTER
The marking process is streamlined (over 97% optimization) with minimal moves.

Scan to Layout Feature
Machine parts, tags, etc. may be scanned and their images imported into the software.

Selectable Start Point
Automatic nearest end point, or user selectable start point for any optimized image.

Clone Fixture
For marking multiple fixtured parts in a "step & repeat" mode.

Control Marking with Properties
With the optional programmable Z axis module, each line (including graphics) may be set to a different height.

Rotary Fixture
For marking around cylindrical parts by turning them during the marking cycle.

Dynamic Numerical Incrementing
Using the Function keys, each line's numerical properties may be incremented with the below key sequence:

F1 = 10.000
F2 =   1.000
F3 =   .100
F4 =   .010
F5 =   .001

Index Fixture
For marking flats on multi-sided objects by indexing the part. No programming required, just fill in the blanks.

Multiple Setting Combinations
Easy to setup for starting positions, homing routines, modes of operation & control of external devices i.e. clamps, vacuum, etc.
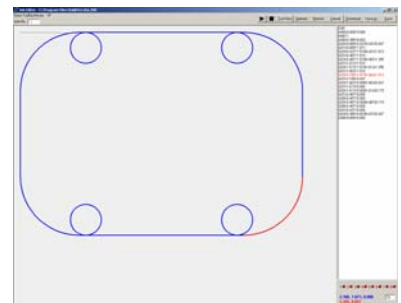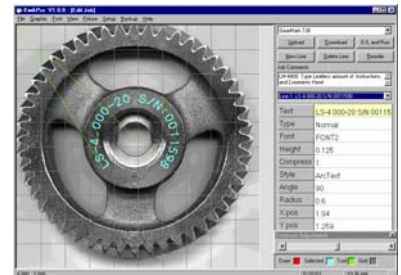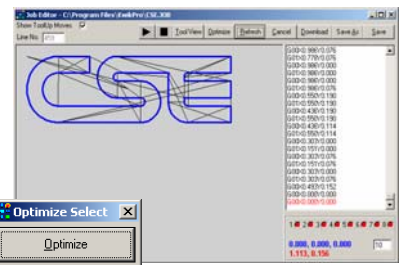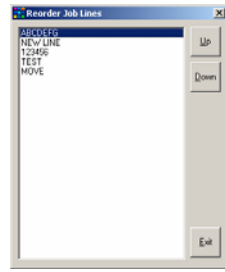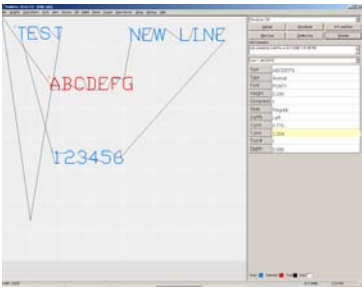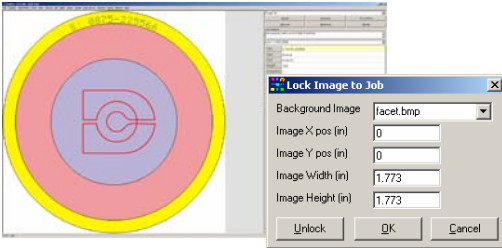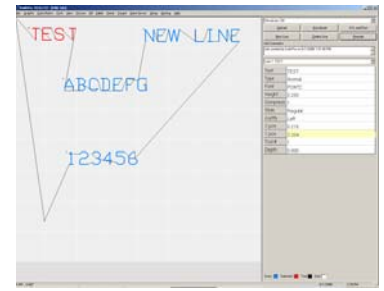
External Machine Interface
Bar code scanner interface may be set for multi modes of operation. Alpha number substitution is included. Use to open a file from work order or mark data from bar code

Custom Step and Repeat Patterns
A CAD file export (DXF or PLT) may be used to generate any random step and repeat pattern for "cloning" the file path.

Windows Software Development Kit
With the optional WSDK, custom "Front End" control applications are a snap.

Visual Index Fixture Display
The "View Fixture" mode displays the flats of a multi-sided part such as this hex.

Coordinate Teaching
Rotates the entire marking image on the machine to match your part / tooling for perfect line-up. Just teach 2 points with the machine.

ABC123

DESIRED IMAGE ON PART

ABC123

IMAGE FILE AS CREATED

PART POSITIONED ON MACHINE (Skewed)

ABC123

ABC123

JOG USING TIP AS A POINTER FROM L to R CORNER OF PART TO DEFINE PART COORDINATES

PERFORMS AUTOMATIC LINEAR AND ANGULAR COMPENSATION

PERFECTLY ALIGNED AND POSITIONED

Visual Rotary Fixture Display
The "View Fixture" mode displays the diameter as a flat by unwrapping it.

Re-Ordering Lines
Any of the lines may be re-ordered on the screen to control the machine path. Forward / backward marking automatic.

Image to File Locking
Automatically sets the correct background image & sizing to the selected marking file.

Print Data to External Label Printer
Capable of printing the alpha-numeric data to an external label printer automatically, while marking your part.
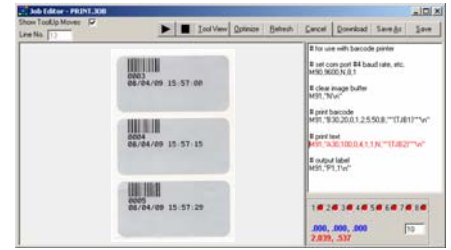
Production Files
Allow setting up combinations of files & fixtures using any characters / symbols for file names and bar code scan names

Periodic Events
Setup functions or QC logic by time period or run count.
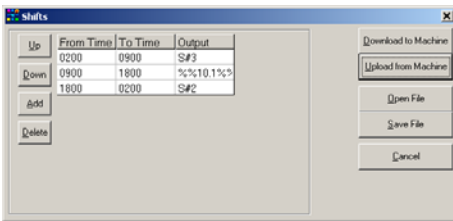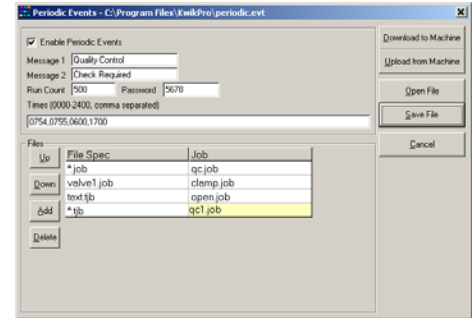
Shift Coding
Define shift codes to be marked by time of day. Supports all programmed functions.

Communicate to External Devices
Convenient data port allows communicating to external devices with ASCII commands.
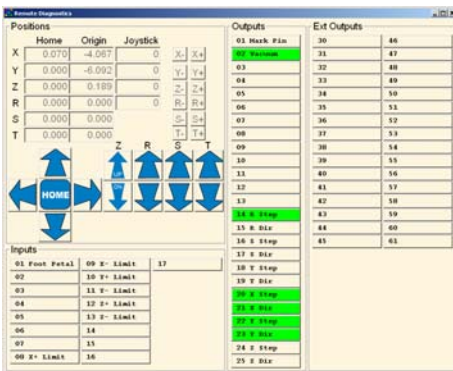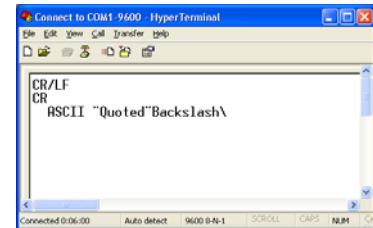
Remote Diagnostics
Read input status, force outputs, and jog machine control for streamlining setup of machines with additional features, custom tooling.

Drawing Tools
Simple CAD type drawing tools allow user to create logos, diagrams, etc. Use keyboard or teach with the machine.
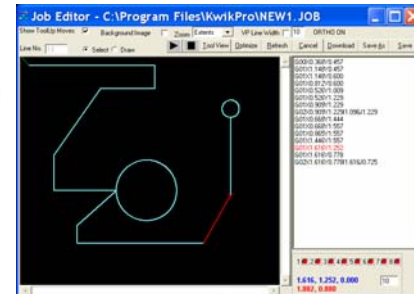
Dual Mode Bar Code Scanning
Just plug in a bar code scanner to use for job selection or to populate scanned data into the marking file.

Remote Screen
Operate system as a printer directly from the Windows screen and view machine status (parts count, cycle time, etc, from any remote location.

Kwikmark Markers and KwikPro Software

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