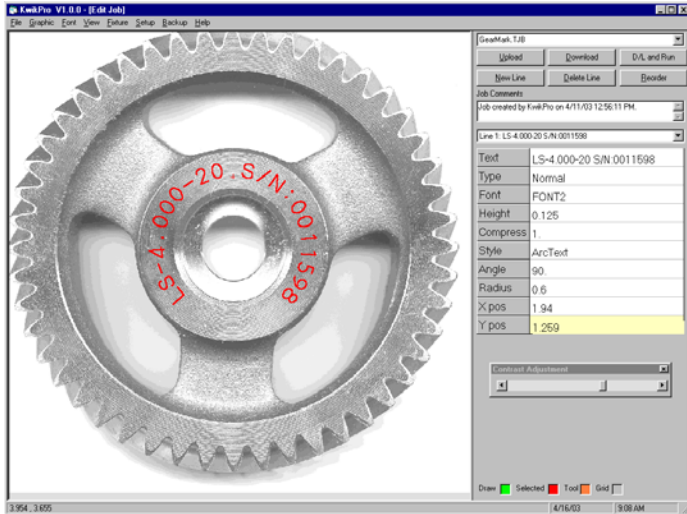


Kwikpro

Software Highlights

and optional Windows
Software Suite



SCAN IMAGES TO USE AS TEMPLATES

SERIALIZE 000123456
multiple serial numbers per file

Unlimited Font Size:
KWIKPRO
KWIKPRO
KWIKPRO
KWIKPRO
KWIKPRO

COMPRESSION
COMPRESSION
COMPRESSION
COMPRESSION

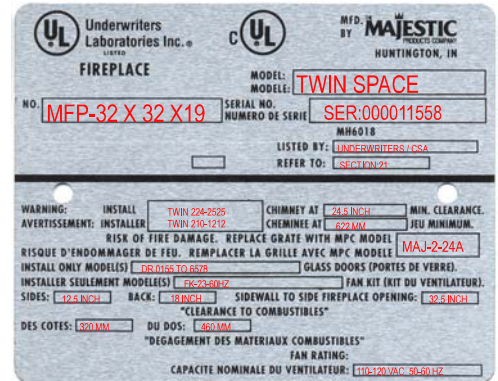
Direct G-Code Input



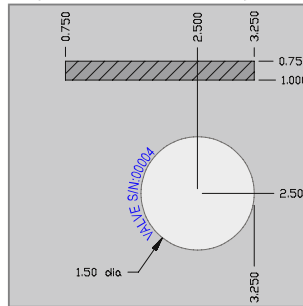
Import Graphics Logos Diagrams

ANGULAR TEXT
ANGULAR TEXT
ANGULAR TEXT
ANGULAR TEXT

FAST NameTag Setup!



Import Files For Templates

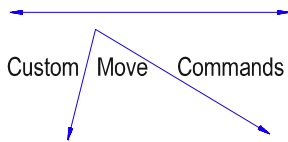


INFINITE ARC TEXT RADIUS CAPACITY

Hundreds of Date/Time Code Combinations!

- 12/27/02
- 12-27-2002
- DEC-27-2002
- Dec 27 02
- 02-52
- 361-02
- 13:34:00
- 1:34

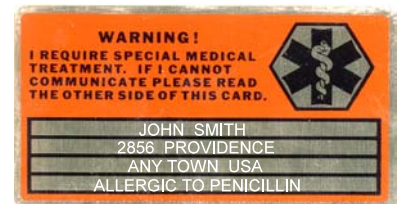
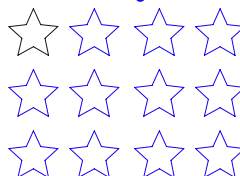
ARC TEXT SERIAL: 00011 12-27-02 1:34
combine line styles to any line types
combine line styles to any line types



Import Graphics Logos Diagrams



Cloning:



kwikpro

Marking Software and Optional Windows Suite

Control Specifications

- 12 key touchpad interface
- bright 4 line lcd display
- Compact Flash 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
- power off e-stop
- PS2 detachable keyboard (included)
- detachable footpedal (included)
- detailed 100 page operations manual
- dual speeds for cylindrical marking
- constant surface speed marking cylinders
- resetable origin with display

Marking Features

- quick job setup
- multi level serializing function
- hundreds of date coding combinations
- combine line styles & line types
- angular text mode
- arc text w/ infinite radius values
- multiple lines within file
- multiple font styles
- unlimited font size

Enhanced Features

- express text function
- move commands
- step & repeat (clone) function
- pause & resume
- last file recall
- negative value entries
- outline routine defines marking area
- imports graphics logos
- 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 position readout
- history display
- files and fixtures in memory
- machine status
- time & date
- on board diagnostics
- serial port communications

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

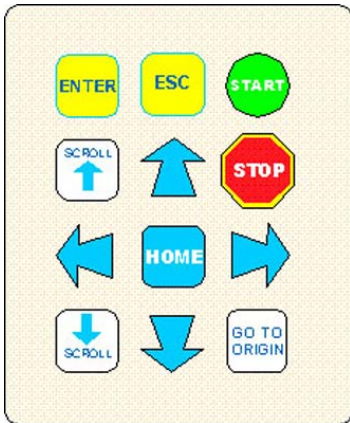
- full featured job editing and converting
- .DXF & .HPGL & G code import function
- text compression
- reordering line commands
- job comments text box
- font viewer
- selectable toolpath view
- definable grid line display
- .DXF & .HPGL & G-code file viewer
- G-code text viewer
- background image scan for layout
- imports 7 types of background files
- background image scale control
- background image positioning
- background image contrast control
- font line thickness 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

kwikpro

Marking Software and Optional Windows Suite

```
SEALMSTR.TJB 92%
Running      #0016
Run Time=00:14
X= 0.236    Y=1.816
```

The bright 4 line display provides real time machine status during the operation and prompts the operator through all setup functions.



The 12 key touchpad controls all machine and software functions.

```
Set Origin
>History
Delete Job
Setup
```

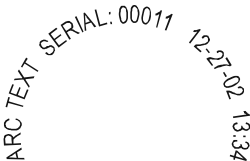
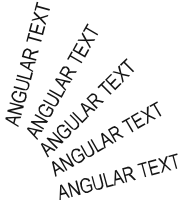
A convenient history function is included that displays the date, time, file name, run count and cycle time of the last 100 jobs.

```
X=1.125 Y=2.562
IN  0 0 0 0 0      0
OUT 0 1 0 0      0 0
                   0
```

A powerful diagnostics troubleshooting function displays the status of all sensors along with inputs and outputs on the machine.

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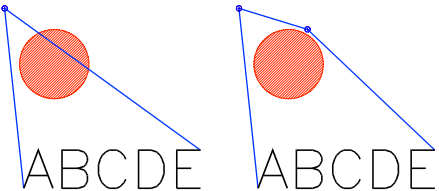
Marking Software and Optional Windows Suite



Line styles and line types can be combined to create virtually any type of identification mark. Logos and graphics may also be included.

MM/DD/YY	12/27/02
MM-DD-YYYY	12-27-2002
MMM-DD-YYYY	DEC-27-2002
Mmm DD YY	Dec 27 02
YY-WY	02-52
HH:MN:SS	13:34:00
HR:MN	1:34

The simple and powerful date/time code function allows you to format hundreds of date code combinations. Alpha-numeric characters may be added anywhere within the code.



Move commands may be used to clear obstructions by controlling the toolpath.



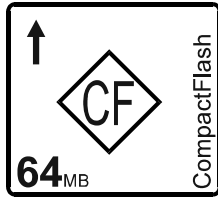
Fixture files for step and repeat applications streamline marking multiple parts in rows and columns.



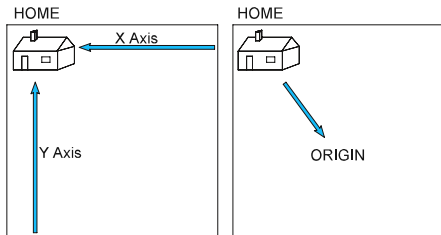
The convenient outline function traces a rectangle outlining the text that will be marked on the part, to assist initial lineup.

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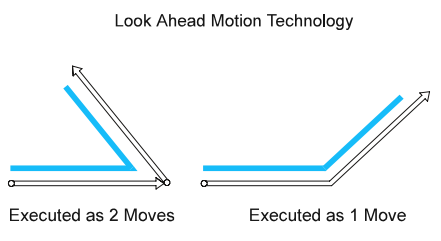
Marking Software and Optional Windows Suite



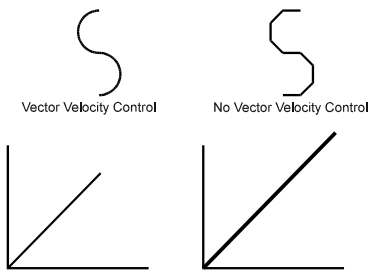
The onboard control system features dual memory including a convenient and removable compact flash card which stores all of the user files including setup and executables.



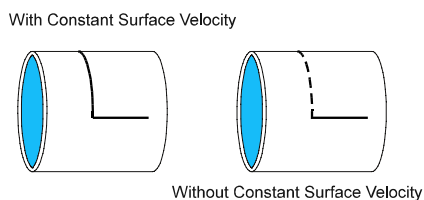
One button homing and origin routines are included on the 12-key touchpad to streamline machine setup and initializing.



The powerful look-ahead motion technology algorithms maximize machine performance.



Exact tip speed algorithms result in consistent tool marks and smoother machine operation at any speed.



Constant surface speed when marking cylindrical objects is achieved automatically by processing the diameter value with the vector velocity.

kwikpro

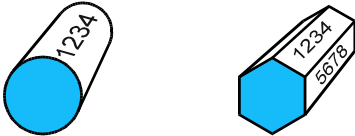
Marking Software and Optional Windows Suite



Unlimited font size is attainable because all fonts are vectors. No marking degradation occurs when marking extremely large or small text heights.



Import graphics and logos. The Kwikpro software directly reads G-code. The optional Software Suite allows importing .plt and .dxf files also.



Rotary axis support allows marking around cylindrical parts and with the optional Software Suite, on flats of multiple sided parts such as hex pieces.

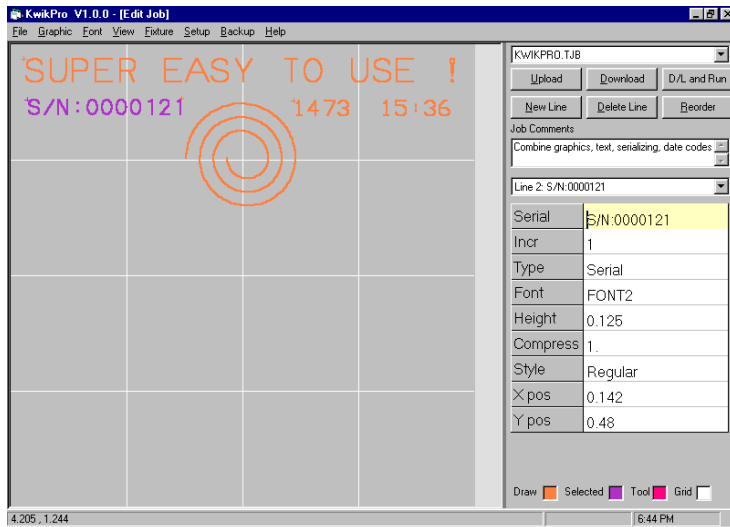


The coordinate translation function is a powerful feature that may be used to rotate an image prior to marking on a part that is fixtured at an angle or is a complex geometry.

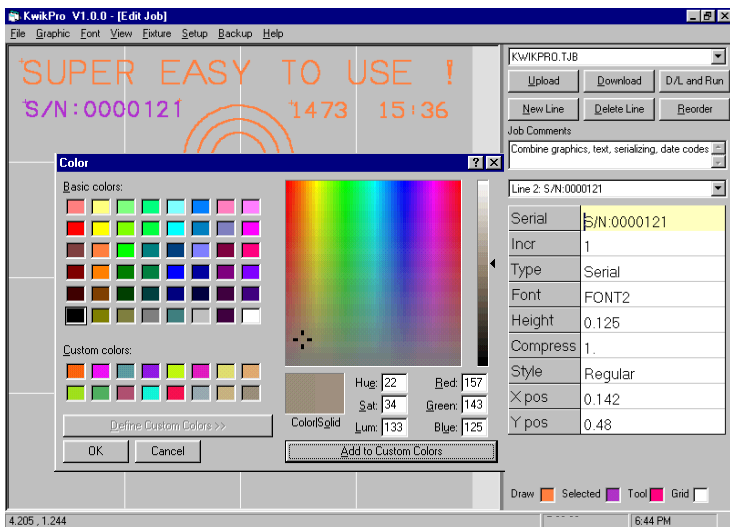


The Express Text function. Just press F1 on the keyboard, begin typing then press one button to mark your part! This feature requires no setup time or file saving.

Marking Software and Optional Windows Suite

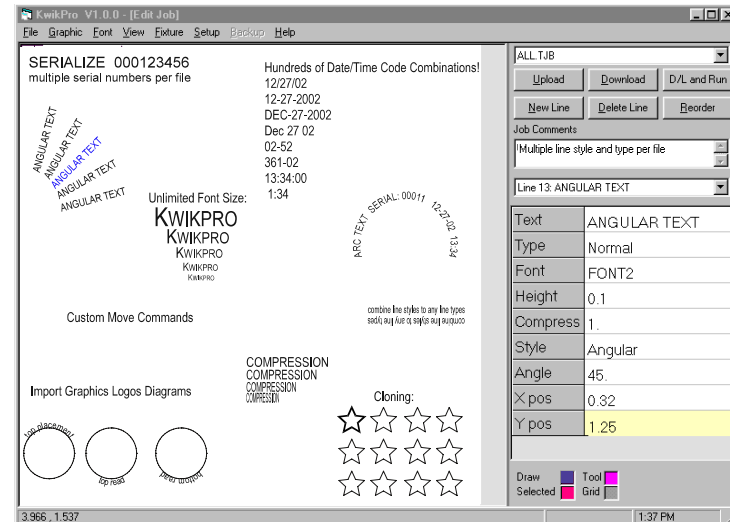


The Optional Kwikpro Software Suite operates in a familiar Windows environment and offers full control of all images, text information and properties.



Full control of color for the following items is included to select the best contrast levels when marking over scanned images:

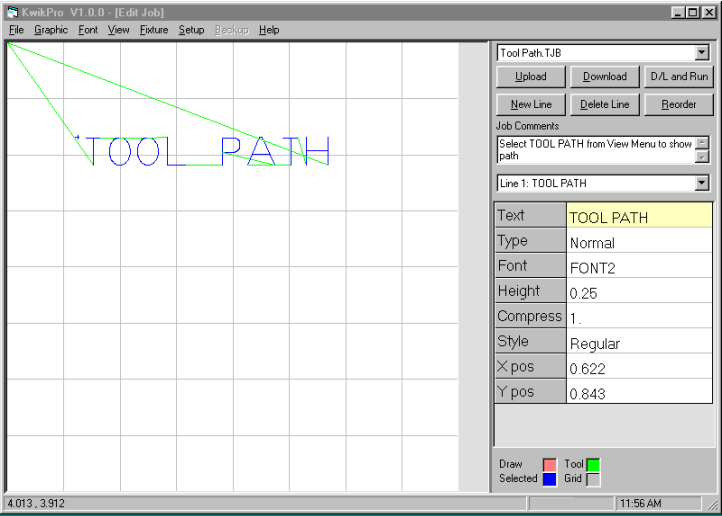
- ✓ Draw Color
- ✓ Selected Item Color
- ✓ Tool Path Color
- ✓ Grid Color
- ✓ Background Color



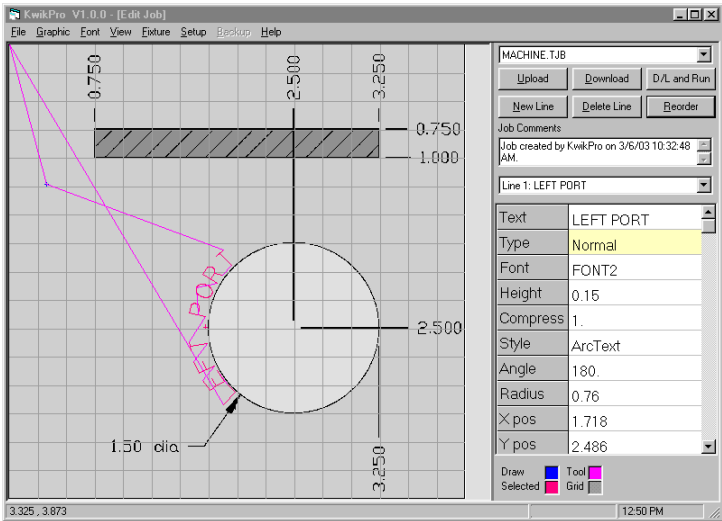
Combine hundreds of combinations of line types and line styles for marking text, graphic images, serializing and date coding. Import supports .PLT, .DXF and G-code files.

kwikpro

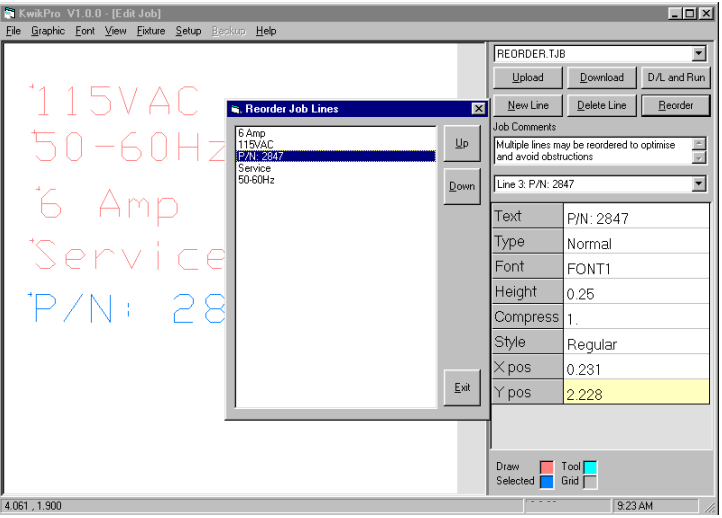
Marking Software and Optional Windows Suite



The tool path view is user selectable.

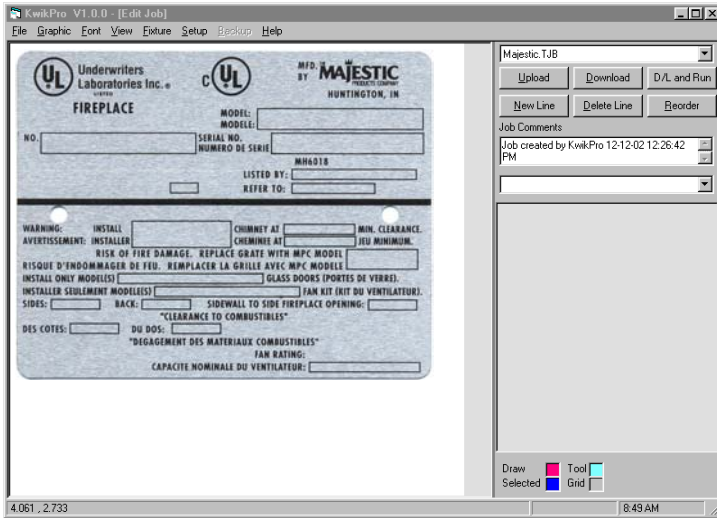


Background images may be scanned in from CAD drawings to be used as templates for streamlining layout work.



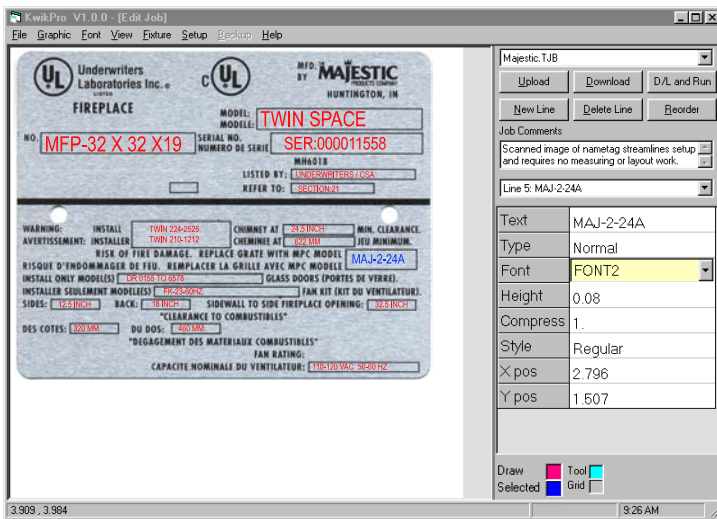
All lines and images may be re-ordered to optimize the marking cycle.

Marking Software and Optional Windows Suite

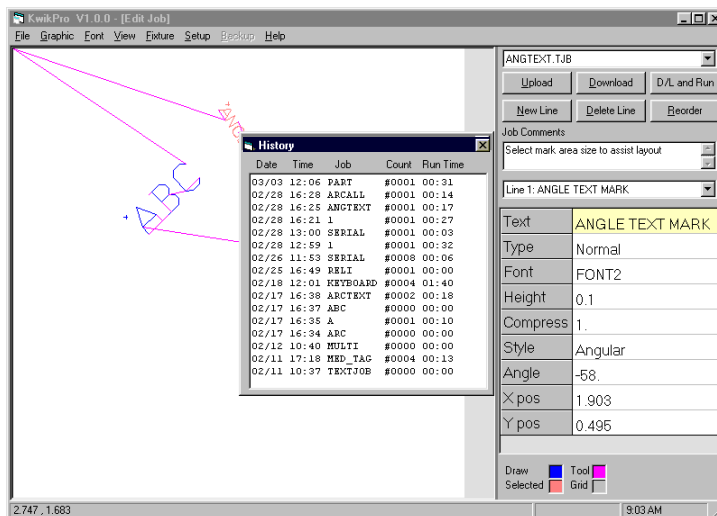


No more measuring or complex layout work is required. Simply import a scanned image of the nameplate. Kwikpro accepts the following file types:

- .BMP bitmap
- .JPG jpeg
- .WMF Windows metafile
- .ICO icon
- .EMF enhanced metafile
- .RLE run length encoded
- .GIF graphic interchange



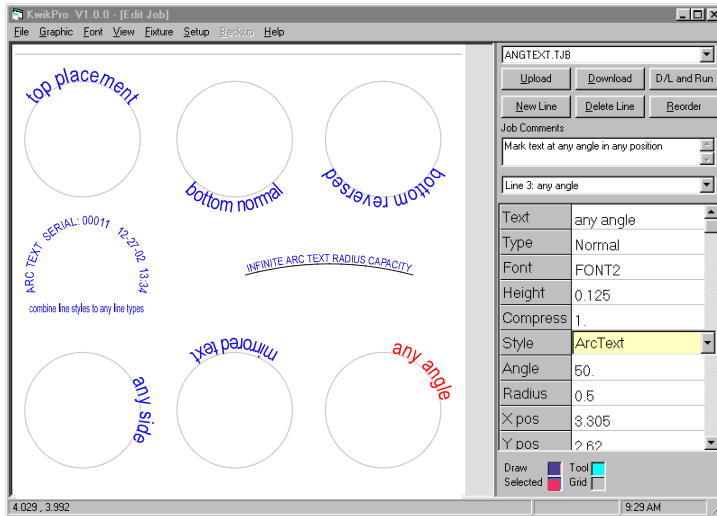
Type over the area you wish to mark. Each line may be positioned with the mouse or numerically entered in the properties section.



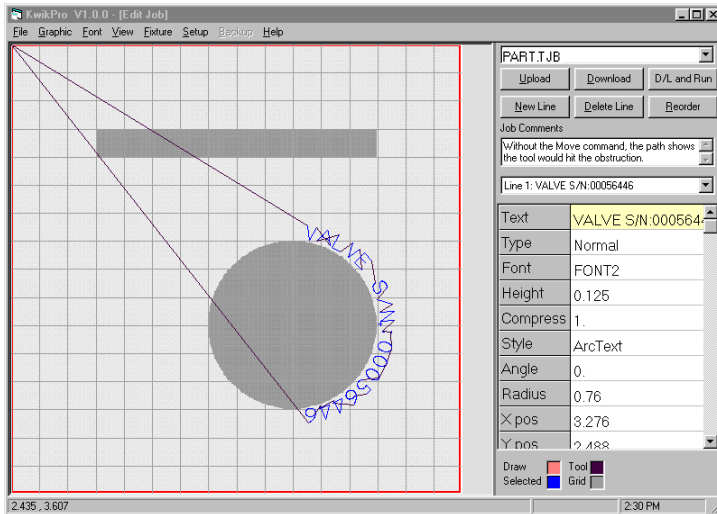
The convenient history function extracts the last 100 jobs that were run on the machine and displays all of the pertinent information.

kwikpro

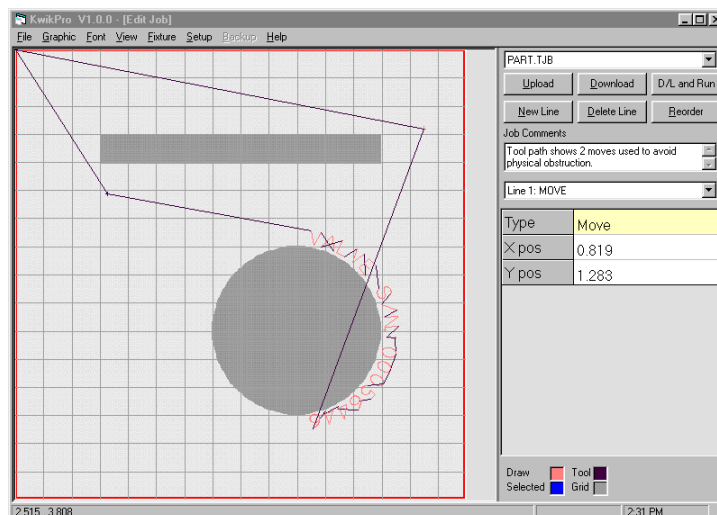
Marking Software and Optional Windows Suite



Any text may be converted into arc text including serializing, date codes and standard alpha-numeric.

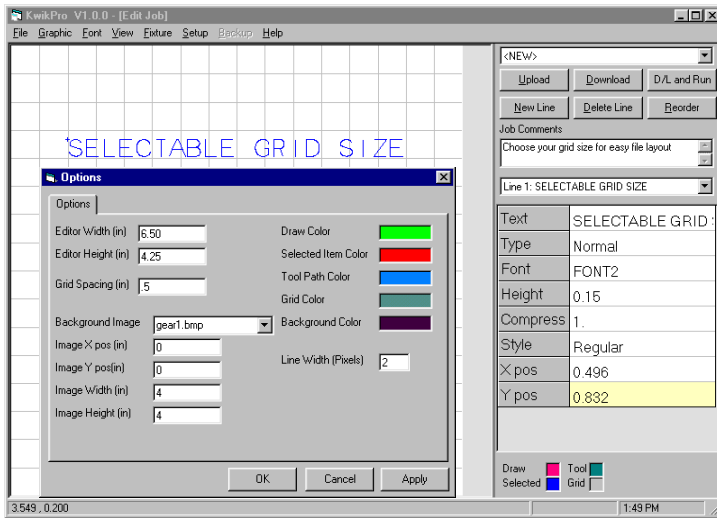


With the tool path enabled and a scanned image used as a template, obstructions in tool path are easy to detect.

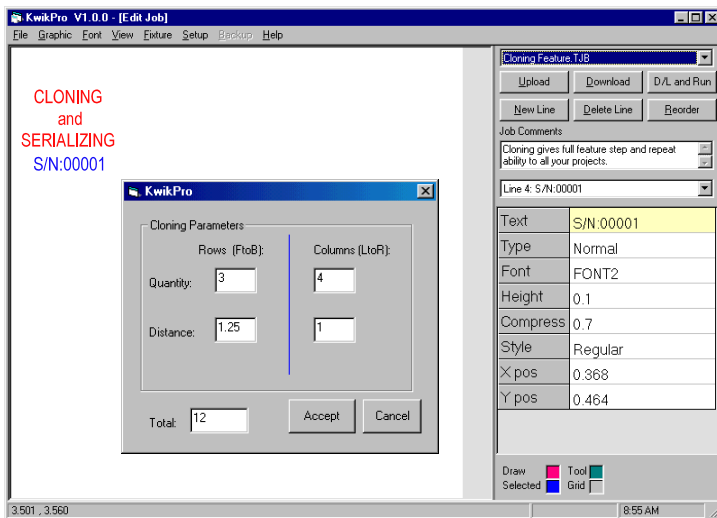


Move commands may be added to control the tool path when going to and from each line or between lines.

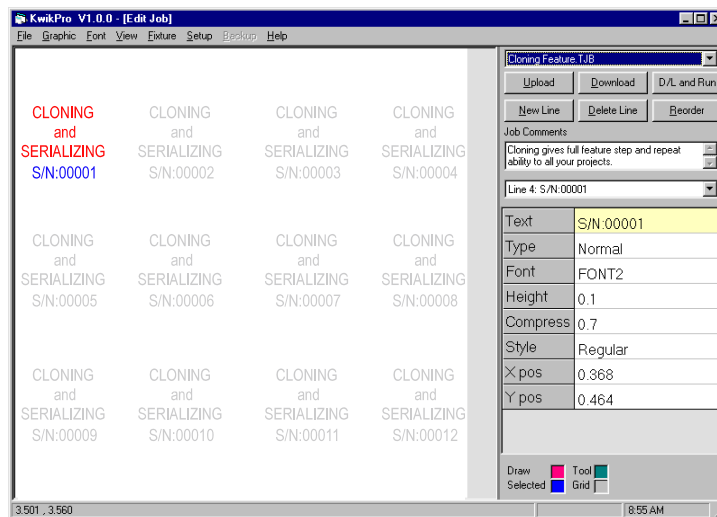
Marking Software and Optional Windows Suite



The grid is a graphic tool that is used to set up text within the marking area. The grid spacing and grid color are user selectable using any increments.



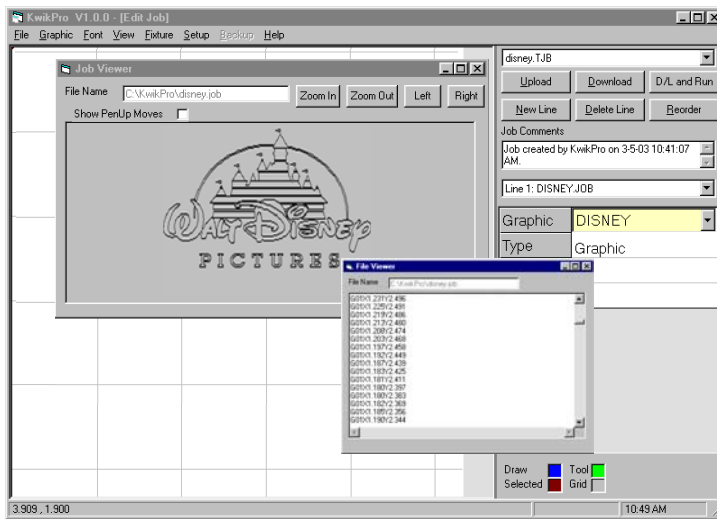
The cloning feature provides step and repeat operation in a matrix of rows and columns.



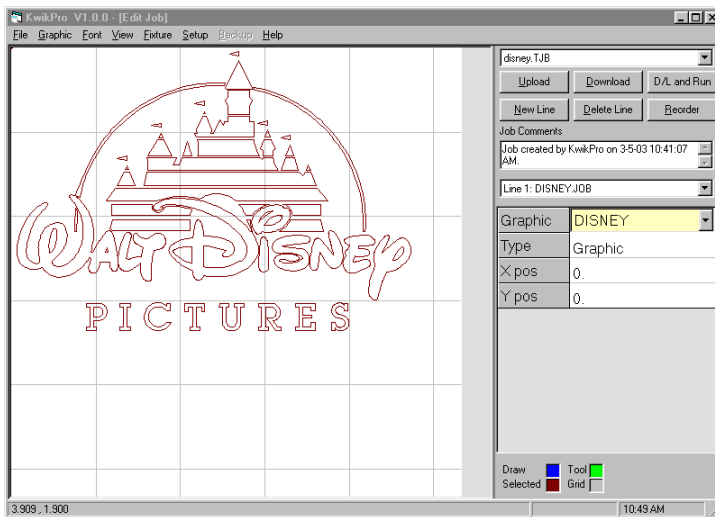
The cloning feature will allow serializing as well as all other functions in the software to be used.

kwikpro

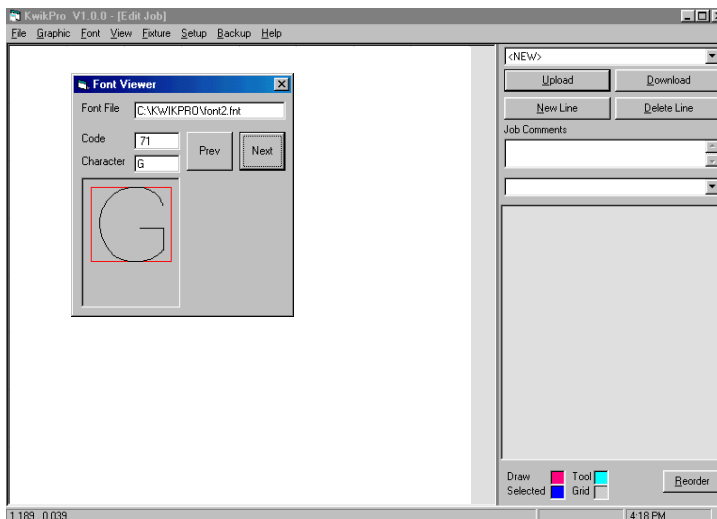
Marking Software and Optional Windows Suite



A full feature G-code graphics viewer and file viewer are included.



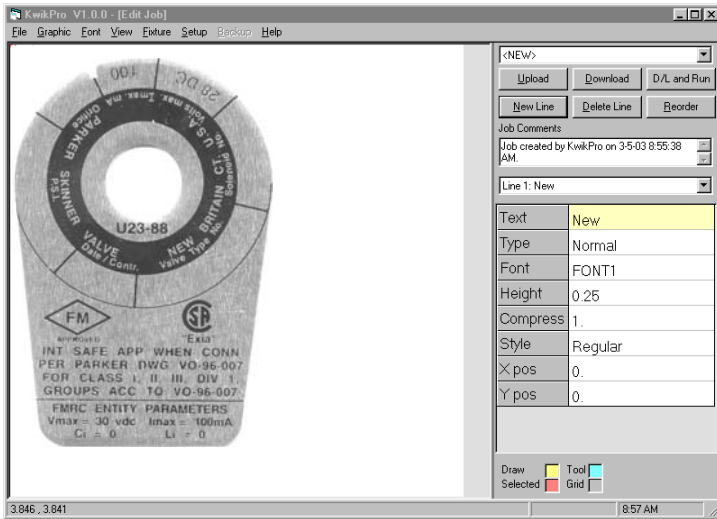
Graphic images are treated as line types with displayed properties.



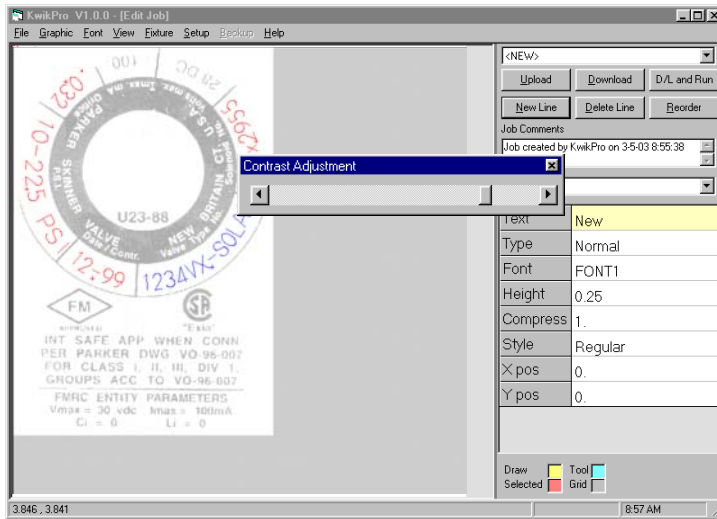
The font viewer graphically displays all of the fonts in the system.

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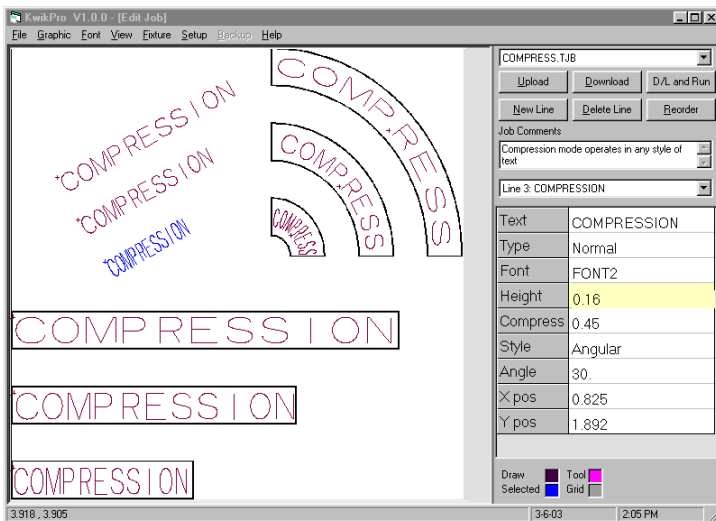
Marking Software and Optional Windows Suite



The software automatically re-scales every graphic image regardless of its "scanned" size to perfect scale when used as a template.



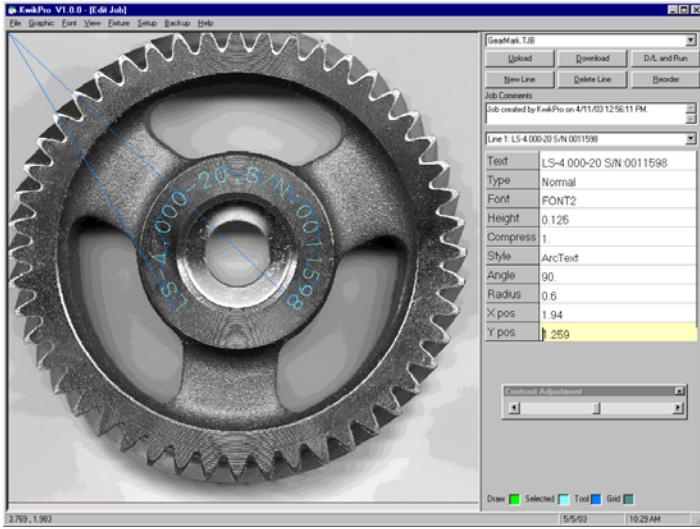
The contrast control allows adjustment of the image to provide the best contrast when laying out text over the surface.



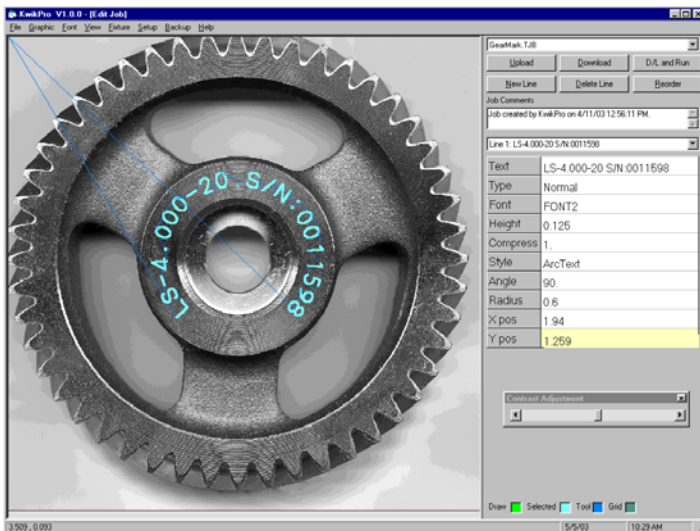
Text and images may be compressed to fit within a restricted area.

kwikpro

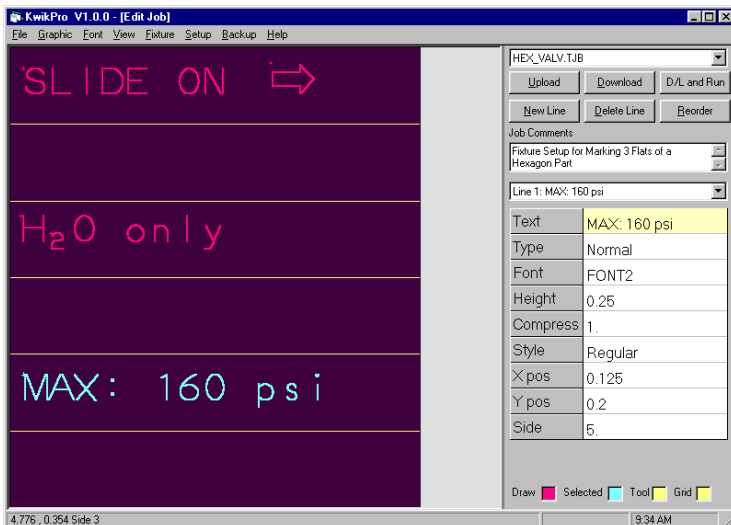
Marking Software and Optional Windows Suite



The color and texture of a scanned image may vary greatly. Changing the selected item color from the Options menu may improve the contrast.



The User may change the line width to make the text line wider and therefore provide more contrast.



Simple and visual setup for hex and multi-sided parts streamline setup time.