



## PROFILELAB

**Powerful 2D and 3D software for the machining/CNC professional. Output to hundreds of routers, engravers, NC machines in HPGL, G-code or special formats. ProfileLab's modular format allows you to add on the features you need to get the job done right.**

### PROFILELAB 2D

ProfileLab produces fast toolpath generation and drill functions with cut simulation for Windows 95™, 98™, NT™ and 2000™. Import DXF, EPS and many more file formats. Apply toolpaths, lead-ins, lead-outs, bridges, nest and set cutting speeds. Machining jobs are stored for later use.

### PROFILELAB 3D

Create and output 3D graphics and text quickly and easily. Powerful toolpath algorithms generate Chiseled and Beveled graphics and text. Multiple tool support allows for creating raised and flat-bottomed graphics and text.

## add-on modules

### PROFESSIONAL TEXT COMPOSE

Enhance your package with powerful text layout tools including WYSIWYG entry, auto kerning, spell checker, fit to path, fit to arc, and over 1100 fonts.

### SPECIAL EFFECTS

Give your graphics impact with powerful graphics tools including shadows, outlines, and an endless array of distortions.

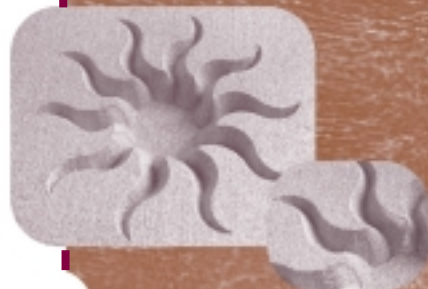
### ACCUSCAN

Scan in artwork and output to a router, engraver or NC machine. Save hours of editing time with the world's most accurate tracing software.

### ADVANCED NESTING

Optimise material utilisation with our true shape-nesting module. This powerful module allows user defined angles of rotation for parts, fitting of parts within other parts and nesting parts on non-rectangular sheets.

## 2D and 3D Machining Software



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## FEATURES

2D

3D

Graphics creation and editing in line or arc mode	•	•
Advanced node editing (x,y co-ordinates/polar/cartesian/relative/absolute)	•	•
Text editing with True Type font support	•	•
Notes and dimensions for parts	•	•
36 Import/Export filters including DXF, G-Code, EPS and PLT	•	•
Multiple undo/redo	•	•
Cut, copy, paste shapes from within ProfileLab or from other programs	•	•
High resolution zoom for precise editing	•	•
Lock/unlock shapes to prevent editing errors	•	•
Rotate/move/resize/duplicate shapes, snap to grid	•	•
Circular and rectangular arrays	•	•
Close path and node reduction functions to clean-up parts	•	•
Weld shapes	•	•
Find file	•	•
Context sensitive online help	•	•
Driver support for over 100 machines	•	•
Auto save/auto load files	•	•
Digitizing tablet support	•	•
Tool templates with unlimited tool library that supports 11 types of tools	•	•
Online, male and female toolbit offset compensation	•	•
Pocket fill using sweep, line, spiral, island patterns	•	•
3D Machining simulation	•	•
Multiple pass depth control including first/last pass	•	•
Corner rounding control for inlaid part creation (on/off, radius)	•	•
Control feed rates, plunge rate, spindle speed and dwell time	•	•
Automatic Tool Changes (ATC)	•	•
Tool path cornering style (sharp or roll)	•	•
Flanges (on/off, width, height)	•	•
Clean-up pass (on/off, amount)	•	•
Bridging (on/off, width, height, style, quantity, distribution)	•	•
Auto bridge removal (on/off)	•	•
Enhanced sorting/sequencing	•	•
Advanced start point control	•	•
Advanced lead in/lead out control (on/off, arc, line, length, overlap, ramp, helix, zigzag)	•	•
Advanced bridge placement control	•	•
Drill center, point, matrix, on contour and corners	•	•
NC Manager (Output Editor)	•	•
Show tool path direction, start point, color by template, tooltype	•	•
Block Nesting	•	•
3D chisel effect using Vee Bit tool	•	•
Fixed depth flat bottom chiseled shapes (multi tool support)	•	•
Photomachine cuts 3D relief from grayscale images	•	•
Beveling toolpath creation for raised 3D letters and shapes	•	•

### add-on modules

PROFESSIONAL TEXT COMPOSE .....

SPECIAL EFFECTS .....

ACCUSCAN (including centerline trace) .....

ADVANCED NESTING .....

