EngraveLab | 10

THE ENGRAVING PROFESSIONAL'S CHOICE FOR FULL FEATURED DESIGN AND PRODUCTION ENGRAVING SOFTWARE.

EngraveLab optimizes laser and spindle-based engraving workflows with all-inclusive tool sets that essentially eliminate the need to use any other software packages. It's the ideal engraving software to maximize efficiency and profitability for businesses of all sizes.
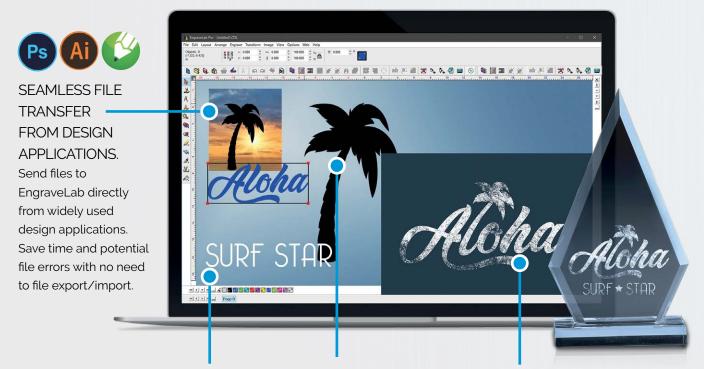
LEADING-EDGE TECHNOLOGY THAT OPTIMIZES ENGRAVING PRODUCTION AND INCREASES PROFITABILITY

EngraveLab packages provide application-specific design and production tools not found in standard design packages or other limited function engraving software products.*

SEAMLESS FILE TRANSFER FROM DESIGN APPLICATIONS.

Send files to EngraveLab directly from widely used design applications. Save time and potential file errors with no need to file export/import.
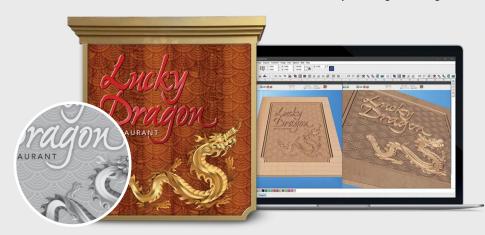
ENGRAVING FONTS.
Over 100 engraving fonts included. Or use single click conversion of standard type fonts to single line engraving fonts. Easy to use font editing tools provide access to an even larger engrave-ready font library.

FLUIDMASK™ BACKGROUND REMOVAL PLUG-IN
(ADD-ON MODULE). Remove unwanted image backgrounds quickly and easily using this industry leading masking software.

SPECIAL EFFECTS PLUG-INS.
Wide assortment of special effects included. Create textures, classic image and text effects all in one single software package.
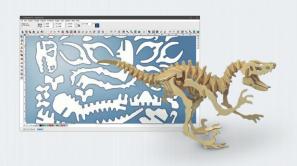
3D DESIGN AND PRODUCTION.
Import and preview 3D STL files in the interactive 3D preview window. Quickly and easily convert 2D artwork into 3D production using EngraveLab's simple grey scale conversion and 3D rendering tools on both laser as well as spindle-based engravers.

*(not all features are included in each package).

SIMPLIFIED, UNMATCHED QUALITY PHOTO ENGRAVING. Convert photographs into beautiful, finely detailed laser engraved output on a variety of materials. No need to spend time on complex image preparation in other design applications, EngraveLab's photo conversion tools get this done in seconds!

ADVANCED SHAPE NESTING. Maximize material savings by ganging up jobs produced on the same material. EngraveLab's "True shape" nesting algorithm is the most efficient way in which to group engraved or cut jobs by their exact shape and dimensions.

COMPLETE BRAILLE CREATION SUPPORT. Create braille signage including text and graphics quickly and easily using single click conversion to Grade 1 and 2 braille formats. EngraveLab is fully compatible with the Raster® Method of Braille. Also includes ADA (United States) tools to enable compliance with gov't legislation covering creation of Braille signage.

BADGES/SERIALIZATION. Creating multiple copies of the same job but with text variations and/or serialization requirements has never been easier. The variable data support in the badges feature automates the design of name tags, door plates, badges and other similar type items. This feature can also be used for Braille signage.

UNICODE- WORLDWIDE LANGUAGE SUPPORT. Industry-standard language compatibility enables production support for all languages.

BARCODE SUPPORT. Over 70 barcode types supported including QR and Data Matrix. Automate production and reduce margin for error. Ideal for high-volume or remote production.

6 PACKAGES TO CHOOSE FROM. A SOLUTION FOR SHOPS OF ALL SIZES AND TYPES.

ENGRAVELAB PRO

THE ULTIMATE ENGRAVING SOFTWARE PACKAGE.

Versatility at its best with complete design and production tools for laser as well as spindle-based engravers.

EngraveLab Pro enables engraving shops to address the widest variety of production workflow requirements all in a single software package. The true professional's choice for engraving software, EngraveLab Pro includes all of the features found in the other EngraveLab packages in addition to high end design and production features including interactive 3D preview with STL file import as well as 3D carve tool pathing, advanced true shape nesting and industry-standard braille signage creation.

ENGRAVELAB EXPERT

THE INDUSTRY STANDARD FOR SPINDLE-BASED ENGRAVING SOFTWARE.

Includes support for the latest as well as most widely used legacy spindle-based engravers. EngraveLab Expert is feature packed with text composition, design and automated production tools that provide engraving shops the ability to produce a wide variety of products efficiently and easily. Extensive third-party file format support as well seamless interface with other design applications simplify working with customer supplied artwork with little to no pre-production issues. EngraveLab Expert also includes complete Braille layout and design tools featuring the latest braille translation libraries as well as industry standard ADA (United States) compliance features.

WIDEST RANGING DEVICE SUPPORT.

Over 100 devices covering the most widely used laser and spindle-based engraving manufacturers, including laser engravers utilizing Ruida™ and Leetro™ based controllers.

Visit cadlink.com/supportedoutputs/ for a list of supported engravers.

ENGRAVELAB LASER AND NEW LASER "L" EDITIONS

AN ALL-INCLUSIVE LASER ENGRAVING SOFTWARE SOLUTION.

Runs virtually all laser engravers available today including support for Ruida™ as well as Leetro™ (in the Laser "L" Edition) controller-based machines. EngraveLab Laser is a stand-alone design and production software package that eliminates the need for use of third-party design applications in most production workflow environments. Using the complete selection of design, layout and production features including STL file import with interactive 3D preview, as well as support for raster engraving and vector cutting. Users can rely on EngraveLab Laser for all projects start to finish.

EngraveLab Laser and Laser "L" Edition both include an identical feature set with "L" Edition uniquely designed for laser engravers using Leetro™ type controllers.

Engravers using Ruida™ type controllers require a special edition package. Please contact CADlink for details.

ENGRAVELAB PHOTOLASER PLUS

EASY TO USE PHOTO CONVERSION TO LASER OUTPUT SOFTWARE.

Specifically designed for amazingly detailed photo conversion laser output to a wide variety of materials, PhotoLaser Plus is ideal for shops already using third-party design applications but looking for professional-grade, consistently produced photo-realistic output. Seamless file transfer with Corel™ enables users to quickly and easily convert images to grey-scale in order to make them laser-ready. PhotoLaser Plus also includes basic text entry and design tools as well as a host of engraving-specific production tools such as variable data (badges) support.

ENGRAVELAB DESIGNPRO

A COMPLETE, DESIGN-ONLY SOLUTION SPECIFIC TO ENGRAVING WORKFLOW REQUIREMENTS

An ideal, inexpensive solution for engraving shops that require additional design and pre-production workstations in order to prepare files for output. EngraveLab DesignPro includes all of the same features as EngraveLab Pro but without having device drivers included. A perfect companion product to all other EngraveLab packages for shops that would like to free-up production workstations and increase workflow efficiency.

ENGRAVELAB FEATURE HIGHLIGHTS

For a complete list of features by package please visit: cadlink.com/engravelab-feature-comparison/

GENERAL FEATURES

Feature	PRO	EXPERT	LASER	PHOTO	DESIGN
Windows™ 10, 8 and 7 support	•	•	•	•	•
Full 64/32 bit O/S compatibility	•	•	•		•
Unicode™ standard language compliance	•	•	•	•	
Easily customizable work space options	•	•	•	•	
Import virtually any design files (incl. designs from competitive engraving products and .SVG/.STL)	•	•	•	•	•
65+ import/export filters (including PDF, AI, EPS, DXF)	•	•	•	•	•
Direct "X" enhanced drawing	•	•	•	•	•
Optimized memory handling accelerated bitmap redraws on large files	•	•	•	•	•
Save program preset preferences on re-installs	•	•	•	•	•
Wide variety of adjustable "select object" tools	•	•	•	•	•
Corel DRAW! direct workflow plug-ins (2019, X8 and X7)	•	•	•	•	
Adobe direct workflow plug-ins	•	•	•	•	

TEXT COMPOSITION

Feature	PRO	EXPERT	LASER	PHOTO	DESIGN
Complete text composition tools	•	•	•		•
Engraving fonts (+100)	•	•	•		•
Third party engraving font support	•	•	•		•
AutoCAD font support	•	•	•	•	•
Support Gravostyle™ CHR/CAR fonts	•	•	•	•	
Text special effects and "fit-to's"	•	•	•		•
Grade 1 and 2 braille translator incl. unified English support	•	•	•		
Braille Translator supports 50+ foreign languages	•	•			
Single click conversion of TrueType/Adobe PFB to single line engraving fonts	•	•	•		•

PRODUCTION TOOLS

Feature	PRO	EXPERT	LASER	PHOTO	DESIGN
Engravers/routers supported 100+	•	•			
Badges tool - automated text replacement and serialization	•	•	•	•	•
Layer Manager	•	•	•	•	•
Auto re-size job by changing plate	•	•	•		•
Rubber stamp	•	•	•		•
Block nesting	•	•	•		•
Advanced true shape nesting (incl. contour cut/clipped objects)	•	•	•		•
True shape nesting	•	•	•		•
Repeat nest	•	•	•		•
Improved Production Spooler	•	•			

ROTARY ENGRAVING TOOLS

Feature	PRO	EXPERT	LASER	PHOTO	DESIGN
Sort routines to optimize engraving speed	•	•			
Sort/sequence/depth rotary engraving job by color	•	•			
Multiple fill types to choose from	•	•			
Tool path preview and editing	•	•			
Tool library	•	•	•		
Improved advanced spiral fill	•	•			
Material library	•	•			
Multiple fills in one job	•	•			
Depth control	•	•			
Clean up pass/multipass depth control	•	•			
Tool tracking	•	•			
Two tool rotary engraving fill	•	•			
Relief fill for 3D engraving	•				
Texture fill	•				
Save tool/toolpath information with every job	•	•	•		
NC/HPGL manager (output editor)	•	•			
3D viewer - rotate/spin/proofs/apply textures/simulate motion	•	•			

LASER ENGRAVING TOOLS

Feature	PRO	EXPERT	LASER	PHOTO	DESIGN
3D viewer - rotate/spin/proofs/apply textures/simulate depth			•		
Auto convert to vector cut		•	•	•	•
Custom laser engraving palettes		•	•	•	•
Raster/vector engraving support		•	•	•	•
Lead in function		•	•	•	
Contour cut		•	•	•	
Print-sort/sequence laser engraving jobs		•	•	•	
Photolaser - automated photographic image conversion		•	•	•	
Render grayscale artwork for 3D		•	•		
Bitmap effects including knockout, wood effect, sketch		•	•		

DESIGN AND LAYOUT

Feature	PRO	EXPERT	LASER	PHOTO	DESIGN
Import stroke width (CMX,CMF,AI, EPS)	•	•	•	•	•
Bezier node editing	•	•	•	•	•
Auto tracing centerline vectorization	•	•	•	•	•
Import B/W images and vectorize automatically	•	•	•	•	•
One click convert text to centerline	•	•	•	•	•
Distortions and special effects	•	•	•	•	•
External/internal contour fill support	•	•	•	•	
Auto tracing color vectorization	•	•	•	•	•
Improved rulers/dial support	•	•	•	•	
70+ bar code symbologies supported (incl. QR/Datamatrix)	•	•	•	•	
Clipping/masking (incl. move, size and edit clip paths)	•	•	•	•	•

■ New feature added in Version 10

CADLINK FAMILY OF SOFTWARE PRODUCTS

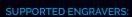Discover the benefits of using a single source for all your design and production requirements

FilmMaker · EngraveLab · SIGNLAB · DigitalFactory · PROFILELAB

SUPPORTED ENGRAVERS:

Visit cadlink.com/supportedoutputs/ for a list of supported engravers.

COMPATIBLE WITH:

- Windows 10
- Windows 8
- Windows 7

SYSTEM REQUIREMENTS:

	MINIMUM	RECOMMENDED
CPU	Dual Core (2.0 Ghz or higher)	Triple Core (2.0 Ghz or higher)
HDD	500 GB	750+ GB
RAM	2 GB	4GB