CADLINK CUSTOM
SOFTWARE SOLUTIONS

Providing The Software Component For Complex
Design, Production Workflow Requirements.

Specialists in custom software development for many international
OEM partners, CADlink custom software solutions are bundled
alongside a variety of commercial, industrial and even hobbyist
turnkey design/production product offerings. CADlink has also
expanded its development scope to include online, internet fulfillment
solutions. These solutions include the ability to support remote
design capabilities integrated into a centralized production hub with
complete online order fulfillment services. The software solutions
that CADlink develops enable the streamlining of these sometimes
complicated design, multi-step production and delivery processes.

CADlink
TECHNOLOGY CORPORATION

TECHNOLOGY

World class graphics and production application that can be customized using a unique security methodology for specific market niches, workflows specific to industry/company needs.

Software that can be easily customized and used by novice end users, sophisticated designers or to run transparently in the background and controlled by servers for internet and other large supply chains.

Driver expertise in a wide array of output machinery; Printers (Color and monochrome), Cutters, Plotters, Rotary and Laser Engravers, Routers, CNC machines, Garment/textile decorating devices.

Integration of 3rd party software applications (both graphical and database) into specific workflow requirements.

Multi-step production process support. Many of CADlink's development projects have specialized in niche market production technologies that may also require multiple production steps on separate devices. i.e. post-print cutting requirements on separate production devices, laser engraving requirements on pre-printed materials and many others.

CADLINK SOFTWARE ARCHITECTURE AND DESIGN

Interchangeable, modular code components allow complete flexibility and customization of feature sets.

Cutting Engine

Design Engine

Printing Engine

Web Interface Technology

UNIQUE DEVELOPMENT
EXPERTISE

CADlink developers are experts in the following graphical languages; PDF, Postscript ,GDI, SVG, DXF, HPGL, GCode, AI, EPS, UCJ (both import as well as output)

Years of experience in following development languages; C, C++ , Javascript, Python, SQL, PHP

Operating system expertise;Windows, Browser and Linux

Extensive knowledge in the following communication protocols; serial, parallel, USB, TCP/IP

Unique understanding of low level languages for many devices or applications including

- Ricoh printers
- Epson printers
- Gerber applications
- Font formats including our own proprietary font format for supporting single line / open stroke fonts, True Type, Open Type, Adobe PFB
- And many more….

CADlink has developed a broad range of graphical algorithms;

- Centerline vectorization/tracing
- Nesting
- Toolbit kerf compensation
- Monochrome, grayscale and color Bitmap to vector conversion
- Color to monochrome conversions using screening algorithms
- Trajectory planning for motion control systems
- Grade 1 and Grade 2 Braille translation support
- Support for XY based output devices including vinyl cutters, plotters, routers, engravers, CNC devices

LOCALIZATION

Software architecture is such that customer-provided translations are easily incorporated into the application enabling world-wide distribution.

DOCUMENTATION

Complete documentation services available.

CHOOSE CADLINK AS YOUR CUSTOM SOFTWARE SOLUTION **PARTNER**

Proven Track Record. In excess of 100,000 seats worldwide, CADlink Software has been used for over 20 years* in a wide variety of industry segments. Our expertise extends to many markets;

- Wide Format Digital Printing
- Desktop Printing Specialty Applications
- Online Product Fulfillment Services
- Rotary Engraving
- Laser Engraving
- CNC Machining
- Garment Decorating (inkjet t-shirt printing, rhinestone application)
- Scrapbooking
- Vehicle graphics
- Vehicle paint protection

- Custom monument design and production
- Inkjet screenprint film production
- Specialty Substrate Printing
- Personalization/customization
- Signmaking
- Plasma Cutting
- and many other manufacturing environments.

* 20+ years of software development (avg. tenure of engineers 10+ years)

Project management expertise

Unmatched Partner support. Direct lines to our technical support team alongside remote-based, online workstation access for efficient trouble-shooting and problem solving.

Industry Leading Products

Celebrating their 20th anniversary, CADlink is also best known for our widely used brand software products; SignLab, Digital Factory, FilmMaker, EngraveLab and ProfileLab.

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