

Engraving Machine Control Application

Overview

Our application is a versatile solution designed to control both **mechanical (deep) engravers** and **laser engraving machines**. It enables users to input their preferred text, symbols, or designs and have them accurately engraved on tags, plates, or other supported materials.

The software is built with an **offline-first architecture**, ensuring uninterrupted operation in workshops and production environments without internet connectivity. When an internet connection is available, it supports **over-the-air updates**, so you always stay up to date with new features and improvements.

Key Features

- **Universal Engraver Communication:** Connects directly to engraving machines, whether mechanical or laser-based, and translates user input into precise engraver commands.
- **Customizable User Interface:** Delivered with a clean, ready-to-use UI but can be tailored to customer requirements, making it fit seamlessly into existing workflows.
- **Adaptable to Different Machines:** Modular and adjustable to the specific communication protocols and logic of various engraving machines, ensuring wide compatibility.
- **Offline and Online Modes:**
 - **Offline Mode:** Reliable, independent performance without internet.
 - **Online Mode:** Supports remote updates and additional feature deployments.

Benefits

- **Precision & Reliability:** Works with both deep engraving and laser engraving systems.
- **Flexibility:** UI and workflow customization on demand.
- **Compatibility:** Adjustable to different engraver models and technologies.
- **Future-Proof:** Over-the-air updates keep the software current.

Use Cases

- **Industrial workshops** engraving serial numbers, identification plates, and safety tags.
- **Jewelry, gift, and personalization shops** using deep or laser engraving.
- **Manufacturing facilities** producing engraved labels, components, or branding elements.

Custom Solutions

Every business is unique. On request, we can:

- **Customize** the UI to match operator workflows and branding.
- **Adapt** the software to integrate with new or specialized engraving machines.
- **Extend** functionality with customer-specific features.

■ **One solution for both deep engraving and laser engraving — reliable offline, updatable online, and fully customizable.**