

Anodizing Mini-Plant

In-house Small Scale Production



Laboratory Anodizing Mini-Plant (LAMP)

Technic's **Laboratory Anodizing Mini-Plant (LAMP)** is a compact, self-contained manual anodizing line that delivers full Type II and III anodizing capability in a small footprint. Designed for machine shops, OEMs, and R&D labs, the LAMP supports small-volume production, prototyping, and custom finishing with consistent, repeatable results.



Each unit arrives fully assembled and preconfigured for quick electrical and plumbing connections. Integrated controls, a housed rectifier, and a system-matched chiller ensure precise temperature regulation. Built-in filtration and containment pans provide clean, reliable, and low-maintenance operation in a space-efficient design.

Benefits

- **Compact, Full-Capability Design** – Performs MIL-A-8625 Type II and III, Class 1 & 2 anodizing in a small footprint.
- **Quick/Easy Maintenance** – Easily accessible controls simplify operation, cleaning, and upkeep.
- **Programmable Rectifier** – Stores multiple recipes and set points for precise, repeatable anodizing performance.
- **Simple Installation** – Delivered fully assembled and pre-wired, requiring only basic utility connections.

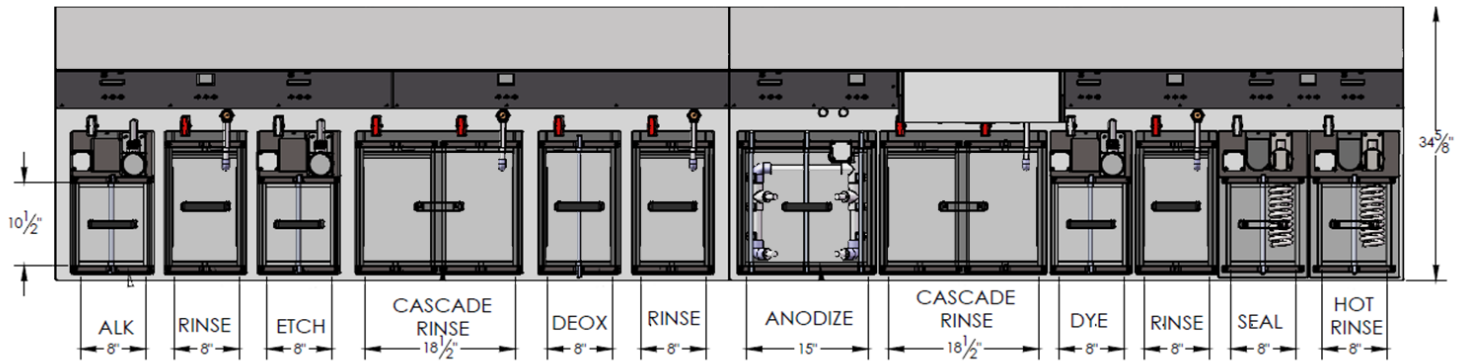


Features

- **Counter-Flow Rinsing for Water Conservation** – Minimized water use while maintaining consistent rinse quality.
- **Precision Plastic Fabrication** – Constructed using Technic's proprietary fusion welding process for long-term durability.
- **High-Quality Components** – Industrial-grade materials ensure dependable operation and extended service life.
- **Modular Design** – Flexible configuration allows quick adaptation or expansion for new process requirements.
- **Ready to Ship** – Units are stocked for rapid delivery and easy integration into existing facilities.



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Shown above is the standard configuration for the LAMP. The process sequence represents the MIL-A-8625 Type II and III, Class I & II anodizing.

Technical Specifications

- Part size window of 6" X 10" X 12".
- The overall footprint for the two modules is 166" x 35" x 35".
- The LAMP can be placed in a straight line or "L" shape configuration.

Standard Equipment

- Switch mode rectifier (50 Amp 45 Volt) with programmable controller
- An air-cooled chiller with a pump to maintain anodize tank bath set points between 55°-70°F
- Acid circulation pump with eductors for agitation
- Digital temperature controls
- Five PTFE heaters
- Five filter pumps
- Ventilation integrated into the console
- Conveniently located drain valves

Upgrade Options

- Base Frame (shown)
- Covers (shown)
- Scrubber

