

Laboratory Anodizing Mini-Plant (LAMP)



Technic's Laboratory Anodizing Mini-Plant is a compact and complete, manual anodizing line in a small footprint. This modular system has two compartmentalized stations that provide a full anodizing process. One pre-finish module is used for cleaning and surface modification. The second module has an anodizing station and post-treatment for dye and seal. An optional 50-gallon Moonstone wastewater treatment system by Kontek Water Systems is available.

This entry-level system is designed for machine shops and OEM manufacturers interested in having an internal unit with R&D capabilities. Specific anodizing processes may be developed and optimized thru application testing. This is a highly engineered, well-built compartmentalized tank system exhibiting quality workmanship for years of service.

Application: Type II conventional and Type III hard anodizing applications

End Users

- Machine Shops
- Testing Laboratory
- OEM Manufacturer
- Anodize Process R&D
- Custom Finishers

Markets

- Decorative
- Prototype
- Protection
- Aesthetics
- Functional

Technical Specifications

The Laboratory Anodizing Mini-plant comes fully assembled. All controls are mounted into the cabinet behind the console. The system-matched chiller is specified to maintain a constant anodizing temperature. Filtration is included. Each module has an integrated containment pan. The footprint for each module is 72" x 28" x 26". Tank dimensions are 15" x 15" x 15" with a part size window of 10" x 12".

Module 1: Pretreatment- 4 poly tanks 15" x 15" x 15", 2 heaters.
Tank Set - Alkaline Cleaner, Etch, Rinse, Deox.

Module 2: Anodize and Post-treatment – 4 tanks (3 polypro, 1 SS) 15" x 15" x 15" deep
Tank Set - Anodize, Rinse, Dye, Seal.

Equipment

Rectifier is a continuous duty 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.

Ventilation boxes are integrated into the console and ready for exhaust connection.

Upgrade Options

Moonstone by Kontek 50-gallon batch waste treatment system, Base Frame Support, Fluid Transfer Cart.