



**MADE IN THE USA, A VETERAN OWNED & OPERATED COMPANY, SINCE 1995**

Custom Components Division offers specialty parts manufacturing that caters to OEMs and contract manufacturers. Proudly serving aerospace, defense, electronic, medical, marine & other technological industries.

**toll free 866-765-9191 • 9:00 am to 5:00 pm EST**

**Send Project Specifications to: [sales@americanmicroinc.com](mailto:sales@americanmicroinc.com)**

LOW MINIMUMS  
CUSTOM MODIFICATIONS  
SMALL TO LARGE VOLUME  
SOLUTION BASED



a division of American Micro Industries,

## DIE CUTTING

ELECTRICAL INSULATING COMPONENTS,  
GASKETS AND PACKAGING INSERTS

Specialists in custom die cutting and fabrication of electrical insulating components, gaskets and foam packaging inserts. Electrical insulators and gaskets are fabricated from a variety of materials, with and without 3M™ Pressure Sensitive Adhesive. Packaging foam inserts are cut from a variety of foams.

### PRODUCTS & MATERIALS

Including, but not limited to:

- Elastomers
- E-FR
- EVA
- Fish Paper
- G-10 / FR4
- Rubber
- Phenolics
- Open and Closed Cell  
Sponge Rubber
- Formex
- Polyethylene
- Polyimide

- Polyurethane Foam
- Silpad
- VHR-115
- Polyester Film
- Poron
- GAP PAD
- Copper
- Anti-Static Material

### DIE CUTTING CAPABILITIES

- Rotary Die Cutting
- Steel Rule Die Cutting
- Laser Die Cutting



\*Other specialty materials upon request

## LASER CUTTING

ELECTRICAL INSULATION COMPONENTS

Our extensive laser cutting capabilities allow American Micro Industries to fulfill practically any custom cutting project, including, but not limited to, the following:

### MATERIALS

- Electrical Insulation
- Plastics
- Rubber
- Phenolics

### PRODUCTS

- Polycarbonates
- Acrylics
- Laminates
- Silicone
- Full Pattern, Zone Pattern
- Custom Formulations



\*Tolerances meet or exceed industry standards

[americanmicroinc.com](http://americanmicroinc.com)

# CNC MACHINING

# PRECISION CNC MACHINED

Our rigid foams, phenolics and plastic product lines are made from high quality reliable materials, designed for specific applications. We have a complete manufacturing facility that allows us to effectively manufacture parts to drawing specifications with short turn around times.

## SERVICES / PRODUCTS

- Design & Fabricate Parts to Specification
- CNC Machine Shop
- AutoCAD, Virtual Gibbs CAD CAM Software
- Drawing Imports to Database for 3D Imaging
- Swept Shapes, Tapers & Complex Compound Contours
- Miniature Machined Parts, Variety of Materials
- Thin Sheet Stock Machined on Vacuum Fixture
- Secondary Operations for Complete Part Assembly
- Custom Fixture Services

## MATERIALS

- Rigid Foams
- Carving Foams
- Plastics
- Phenolics

\*other non-metal materials on request



# PLATING & CUSTOM SOLDERING

# HOT SOLDER PLATING AND DEDICATED MANUAL SOLDER LINE

An expert source for small to large production runs as well as a trusted provider of discounted parts with intermittent low volume maintenance orders. We efficiently handle parts that are not capable of high volume production lines. All products are held to strict rigors of quality and are individually inspected prior to shipping.

## MATERIALS

Including, but not limited to:

- Cold Rolled Steel
- Nickel Silver Alloy
- Copper
- Brass
- Copper Nickel
- Nickel
- Stainless Steel

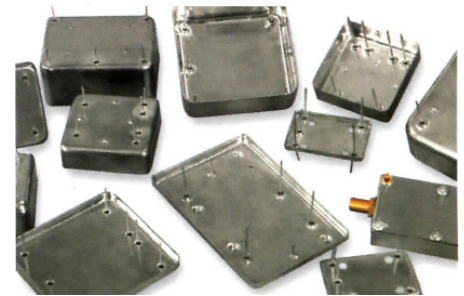
## PRODUCTS

- Bushings
- Covers
- Deep Drawn Cans
- Feed Thru Terminals
- Heat Plates / Sinks
- Inserts
- Stand Offs
- Studs

## SPECIFICATIONS

- ASTM B32
- Mil-F-14072 M221
- Mil-F-14072 M258
- QQ-S-571

NOTE: some materials require pre-plating for solderability



# INSULATION MATERIALS

# IN-STOCK AND READY TO SHIP

Our company supports the electrical industry with a variety of in-stock and custom electrical insulating materials for applications where an electrical insulator of high dielectric strength is required. We offer sheet, tube and rod stock of electrical insulating materials.

## MATERIALS

All materials are available with 3M™ acrylic Pressure Sensitive Adhesive

- E-FR
- Fish Paper
- G-10 / FR4
- VHR-115
- Polyester Film
- Formex
- LE & CE Phenolic



## RIGID FOAMS

- Architectural
- Polyethylene
- Polyimide
- Polystyrene
- Polyurethane
- RF & Microwave
- Rigid Urethane
- Carving
- Polyisocyanurate



\*other specialty materials upon request