

CNC Routing

ATTRIBUTES



DESIGN
VERSATILITY



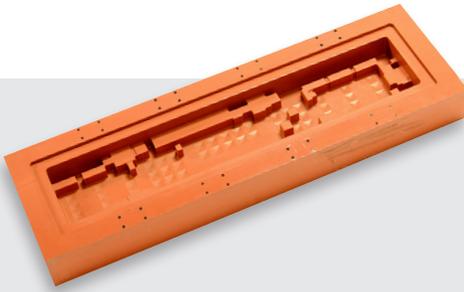
LOW
COST



PRODUCT
CONSISTENCY



RAPID
PRODUCTION



SNAPSHOT:

Preferred Volume: 1 to 250 units

Prices Beginning at: \$10

Production: 100 parts per day

AT A GLANCE:

With the introduction of our CNC Routing Department and 3 axis router, we have the ability to produce internal substrates, patterns & models but also independently serve outside industries cutting various materials such as wood, composites, plastics and foam. Our experienced technicians produce consistent high quality products while helping to reduce our customer's waste, frequency of production error and lead times.

PERFECT FOR:

3D Prototype Models & Patterns,
Engravings & Signs, Internal Supports
& Substrates

NOTABLE CUSTOMERS:

Great Coasters International, Chesapeake
Energy, Dynamic Structures

Creative Strategy

SIZE & COMPLEXITY

- Maximum X, Y, Z 120" x 60" x 20" for single cut production
- Ability to create stackable 3D patterns and models of greater size and complexity

MATERIALS

- ABS, Acetal, High Density Foam, Laminates, MDF, Nylon, Plywood, PVC, Solid Wood
- Custom material available at additional cost

RADIUS

Inside corners will include a radius due to the round tipped tool used in the routing process.

WALL THICKNESS

Variable wall thickness on CNC parts is acceptable but with a suggested minimum thickness of .020" to ensure walls do not collapse or fracture.

SURFACE FINISH

As material passes through the cutting area of a router, the blades excavate bits of material at uniform intervals therefore creating ridges, known as a milled surface displaying tool marks.

- Natural, machined finish displaying tool marks
- Custom secondary finishes available at additional cost

TOLERANCES

Allowable variation for any given size in order to achieve proper function when considering the design intent. As with all molded products, part material's shrink value should be considered when building your pattern and mold.

- $\pm .010$ "



RALPH S. ALBERTS
COMPANY INCORPORATED

60 Choate Circle Montoursville, PA 17754

Phone: (570) 368-MOLD (6653)

Fax: (570) 368-6353

rsalberts.com