



Since 1979



**Weight Range:** ounces to 25 lbs.  
**Quantities:** 1 to 30,000 annual usages  
**Type of Molding:** Green Sand  
**Alloys:** AL 356.2 and AL 319

### -Engineering Department-

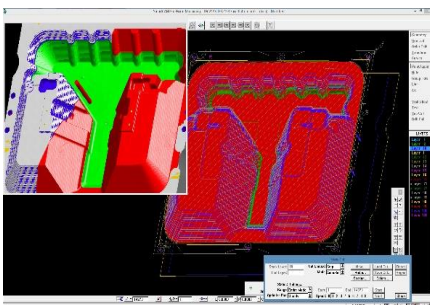
- Design Support and feasibility reviews
- Initial cost estimating/quote development
- Reviews of customer 2D and 3D data
- Analysis of part dimensioning and tolerances
- Provide 2D prints & project renderings
- Fixture creation and design secondary machining operations

### -Tooling Department-

- Initial pattern design, creation and setup
- Annual maintenance

### -The Foundries-

- Green sand molding
- 1 automated Robert Sinto 20x24 molding machine
- 6 manual jolt-squeeze molding machines with 7 standard flask sizes
  - 12x22; 13x18; 14x14; 14x24; 16x16
  - 18x28; 20x24; 22x42; 26x32
- 4 - 2300 lbs. Thermtronix electric furnaces
- 2 Sand Shell Core Machines (semi-automatic)



### -Finishing-

- As Cast
- Grinding
- Polishing
- Vibratory Finishing (VFM)
- Burnishing
- Media blasting
- Shot blasting

### -Machining & CNC Department-

- 5 3-axis CNC Machines
  - VMC 6030 and VMC 4020
- Conventional and Complex CNC Machining
- Post machining processes
- Milling, drilling, and tapping

### -Available Services-

- Full assembly and sub-assembly capabilities
- Services from qualified outside source(s)
  - Painting & Powdercoating
  - Die-castings & Permanent Mold
  - Chrome Plating
  - Rubber Components – rotary, injection, and extruded
  - Metal stampings

