

# GENERAL MANUFACTURING

## PROCESSES

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3D Printing

Machining

Metal Forming

Stamping &  
Die Cutting

Extrusion

Casting &  
Die Casting

Paint & Powder  
Coating

CNC Router  
Machining

Metal Spinning

Laminating

Vulcan GMS is a custom manufacturing company that offers many different capabilities for your contract manufacturing needs. Vulcan GMS is ISO registered to 9001:2008 and we were the first business of our kind to attain ISO certification in 1999. Vulcan offers multiple manufacturing techniques so we can frequently offer more than one solution to meet your needs. We can also help you with each step of your product needs including: initial design, development, manufacturing, assembly and kitting. Contact Vulcan GMS to discuss your specific requirements and what we can do to help you achieve your goals.

### 3D PRINTING

Fortus 250 MC 3D Printer,  
Rapid prototypes in ABS plastic

### MACHINING

- 8 machining centers, size range is up to 50" x 26" x 25"
- 4 lathes, size range is up to 39" OD x 39" long
- 2 CNC routers with 5' x 8' vacuum tables & vacuum lifts
- Manual machines, prototyping, secondary processes available



### METAL FORMING

- Metal spinning
- Press Forming

## MATERIALS SUPPLIED

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Aluminum

Brass

Mild Steel

Stainless Steel

Copper

Tungsten

Molybdenum

Lead

Plastics

Tin

Bismuth

And more...

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Hitachi Seiki  
HS 630



## STAMPING & DIE CUTTING

- Metal Stamping
- Die cutting
- Foils in Lead, Tin, Bismuth, Tungsten, Molybdenum, Aluminum
- Laminating (adhesive, vinyl and other laminations)

## EXTRUSION

- 5 Extrusion presses, size range of .060" diameter to 3.25" diameter
- Materials supplied are lead alloys, tin alloys, bismuth alloys.

## CASTING & DIE CASTING

- Gravity casting, permanent mold casting in lead, tin, bismuth
- Die casting thru 3 machines with lead, tin, bismuth

## PAINT & POWDER COATING

- Paint Coatings
- Powder Coatings
- Plating, Anodizing, etc.

### Quality / Inspection

- 5 CMMS
- Varian vacuum leak detector
- Spectro Material Analyzer
- Hundreds of other tools to ensure quality parts

