

# ALUMINUM

## Castings and Machining

**FROM CONCEPT TO CASTING THRU FINAL MACHINING**  
**CAST METALS PROVIDES TECHNICAL SERVICE AT EACH STEP**

### CASTING technology

- Low to High Volume Production
- Complex Shapes and Sizes
- Manual and Automated Molding Systems
- Intricately Cored Castings
- Shell Cores, ISO Cure Cores & Air-Set Cores
- A356, 319, 359, 355, 713 Tenzalloy, 535 Almag, ZA-12
- In-House Heat Treating & Aging
- Hunter 20 - 20x24 Deep Flask - Automated Molding
- Robert Sinto - FBO-II - 16x20 - Automated Molding
- Robotic Pouring on Hunter 20x24 Molding Lines
- Squeezer, Roto-Lift and Air-Set Molding
- Sweco—Vibratory Finishing Machine

#### Industries Served:

Compressors, Blowers, Pumps, Petroleum, HVAC, Machine Tool, Food Processing & Preparation, Construction, Power Generation, Electrical, Power Line, Lighting, Injection Machinery, Agricultural Aftermarket Automotive and various other industries nationwide.

### MACHINING technology

- (1) Hurco - VMX-42Ui Mill – 5th Axis Trunnion
- (1) Hurco - VMX-50 Mill
- (1) Haas - UMC-750 - 5-Axis Machining Center
- (1) Haas - VF-2 Mill – With 4th Axis Rotary
- (5) Haas - VF-3 Mill – With 4th Axis Rotary
- (1) Haas - VF-5 Mill with 5-Axis Trunnion
- (1) Haas - VF-6 Mill with 5-Axis Trunnion
- (3) Haas - ST-20 Lathe with live tooling
- (3) Haas - ST-40 Lathe with live tooling
- (1) Haas - SL-10 Lathe
- (1) CMM - Coordinate Measuring Machine
- Casting, Machining, Coating & Assembly

### QUALITY SERVICES

- ⇒ ISO 9001 Certification - PED Certified
- ⇒ QA Display with Digital Work Instructions
- ⇒ 1st Article CMM Dimensional Layout
- ⇒ PPAP's and Certifications
- ⇒ Responsive Customer Communication
- ⇒ In-House Spectrometer Results
- ⇒ 3D Scanning – for Dimensional Verification

### VALUE ADDED SERVICES

- ⇒ Casting Production & Prototyping
- ⇒ Quick Turn - Drawing to Casting
- ⇒ Quick Turn Quotations
- ⇒ In-House CNC Machining - 5-Axis
- ⇒ In-House Heat Treating
- ⇒ Product Assembly
- ⇒ Vibratory Ball Cone Finishing

### ENGINEERING SERVICES

- ⇒ Casting Design Assistance
- ⇒ SOLIDWORKS 3D Design Software
- ⇒ Casting Simulation Software
- ⇒ Tooling Design Assistance
- ⇒ Prompt Quotation Turn Around
- ⇒ Efficient Lead Times
- ⇒ 3D Printing

