

# CAST METALS TECHNOLOGY



COMPRESSORS



CONSTRUCTION



MACHINE TOOLS



PUMPS



## Aluminum Casting Capabilities

- Sand and Permanent Mold
- Low to High Volume Production
- Complex Shapes and Sizes
- Intricately Cored Castings
- Manual and Automated Molding Systems
- A356, 319, 713 Tenzalloy, 535 Almag, ZA-12, 359, 355

## Quality

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

## Customer Service

- Casting Design Assistance
- Product Reverse Engineering
- Prompt Quotation Turn Around
- Responsive Customer Communication
- Efficient Lead Times
- SOLIDWORKS 3D Design Software

## Value Added Services

- Casting Production & Prototyping
- Quick Turn Around from Drawing to Casting
- In-House CNC Machining—5-Axis
- In-House Heat Treating
- Product Assembly
- Vibratory Finishing—Ball Cone Burnishing

## 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.

# ALUMINUM Castings and Machining

## CASTING *technology*

- Hunter 20 - 20x24 Deep Flask - Automated Molding
- Robert Sinto - FBO-II - 16x20 - Automated Molding
- Robotic Pouring on Hunter 20x24 Molding Lines
- Automated Core Setting System
- Multiple Squeezer, Roto-Lift and No-Bake Molding Lines
- Multiple Automatic and Standard Core Machines
- Shell Cores, ISO Cure Cores & Air-Set Cores
- Cope and Drag Line - 20x30 Flask and Larger
- Multiple Tilt Pour Permanent Mold Machines
- Conveyor Fed Finishing Department
- Sweco—Vibratory Finishing Machine
- In-House Heat Treating & Aging

## MACHINING *technology*

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

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



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