



COMPRESSORS



CONSTRUCTION



MACHINE TOOLS



PUMPS

# CM-TEC

CAST METALS TECHNOLOGY, INC.

- YOUR SOURCE FOR ALUMINUM CASTINGS- IN SAND AND PERMANENT MOLD -

### 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, Almag 535, 355, 713 Tenzalloy

### Quality

- QA Display with Digital Work Instructions
- 1st Article CMM Dimensional Layout
- PPAP's and Certifications
- Sand Test Results
- In-House Spectrometer Results
- ISO 9001:2008 Certified

### 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.

### Customer Service

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

### 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
- Anodizing, Powder Coating, Hard Coating

# ALUMINUM

  

## *Castings and Machining*



**From Concept to Prototype thru Final Machining ...  
CM-Tec provides technical service at each step**



### Equipment List:

- Hunter 20 - 20x24 Deep Flask - Automated Molding
- Robotic Pouring on two Hunter 20x24 Molding Lines
- Automated Core Setting System
- Multiple Squeezer, Roto-Lift and No-Bake Molding Lines
- Multiple Automatic and Standard Core Machines
- Cope and Drag Line - 20x30 Flask and Larger
- Multiple Tilt Pour Permanent Mold Machines



- Conveyor Fed Finishing Department
- CNC Machining - 5-Axis
- Sweco—Vibratory Finishing Machine



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# CM-TEC

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## CM-Tec Equipment Listing - 2010

### Pouring

- Aluminum: 319, 356, A356, Almag 535, 355, Zinc

### Furnaces

- Gas Fired and Electric  
- (5) 600 lb. - Gas  
- (4) 1,000 lb - Gas  
- (2) 4,000 lb. Reverb - Gas  
- (4) 1,000 lb.

### Melt Capacity

- 1800 NGT Per Year

### Molding

- (2) Hunter 20 Automatic Molding Machines 20" x 24"  
- (4) Osborn Squeezers Up to 15" x 26" & 18" x 18"  
- (2) Osborn Roto-Lifts Up to 24" x 32" & 32" x 32"  
- (1) Cope and Drag Line 22"x30"  
- (1) 50 lbs/min Eagle No-Bake Molding Mixer  
- Floor Molding Up to 48" x 48"  
- (2) Hall Static/Tilt Pour Permanent Mold Machines

### Core Process

- Airset  
- Isocure  
- Shell

### Machining

- (1) Haas - VF-3 Mill  
- (1) Haas - VF-6 Mill with 5-axis Trunnion  
- (2) Haas - SL-40 Lathe with live tooling  
- Various Manual Machines

### Maximum Casting Weight

- 200 lbs.

### Value Added Services

- In-House Heat Treating  
- In-House Machining  
- In-House Vibratory Finishing / Polishing  
- In-House Pattern Shop  
- ISO 9001:2008 - March 2010  
- In-House Certifications  
- Powder Coating