



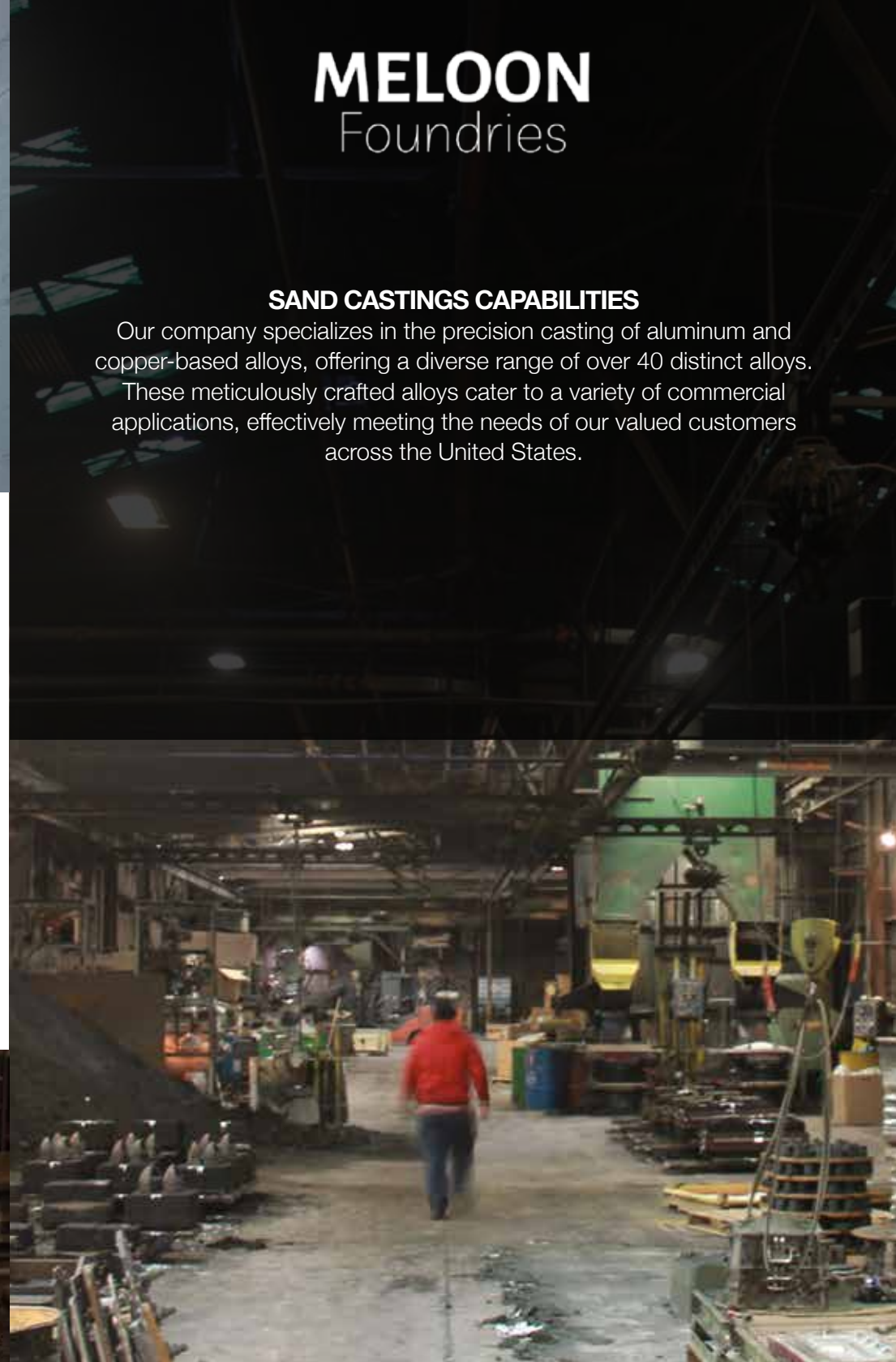
**ABOUT MELOON**

The Meloon name continues to produce quality castings since it was founded in 1938. Meloon Foundries has increased the facility to more than 60,000 square feet of manufacturing. Evans Industries acquired the business in 2014 and has kept the name on the foundry that customers know for quality, delivery and dedicated customer service. Evans Industries has invested in American manufacturing since the early 1900's.

Meloon Foundries provides a comprehensive range of premium strength cast alloys delivered on time with exceptional quality & value pricing. Meloon is engaged in casting over 40 different aluminum & copper alloys to provide what customers expect. We design and manufacture to markets as diverse as heavy-duty truck, automotive, marine, oil, agriculture, defense, medical, railroad and commercial applications.



**QUALITY**



**MELOON**  
Foundries

**SAND CASTINGS CAPABILITIES**

Our company specializes in the precision casting of aluminum and copper-based alloys, offering a diverse range of over 40 distinct alloys. These meticulously crafted alloys cater to a variety of commercial applications, effectively meeting the needs of our valued customers across the United States.

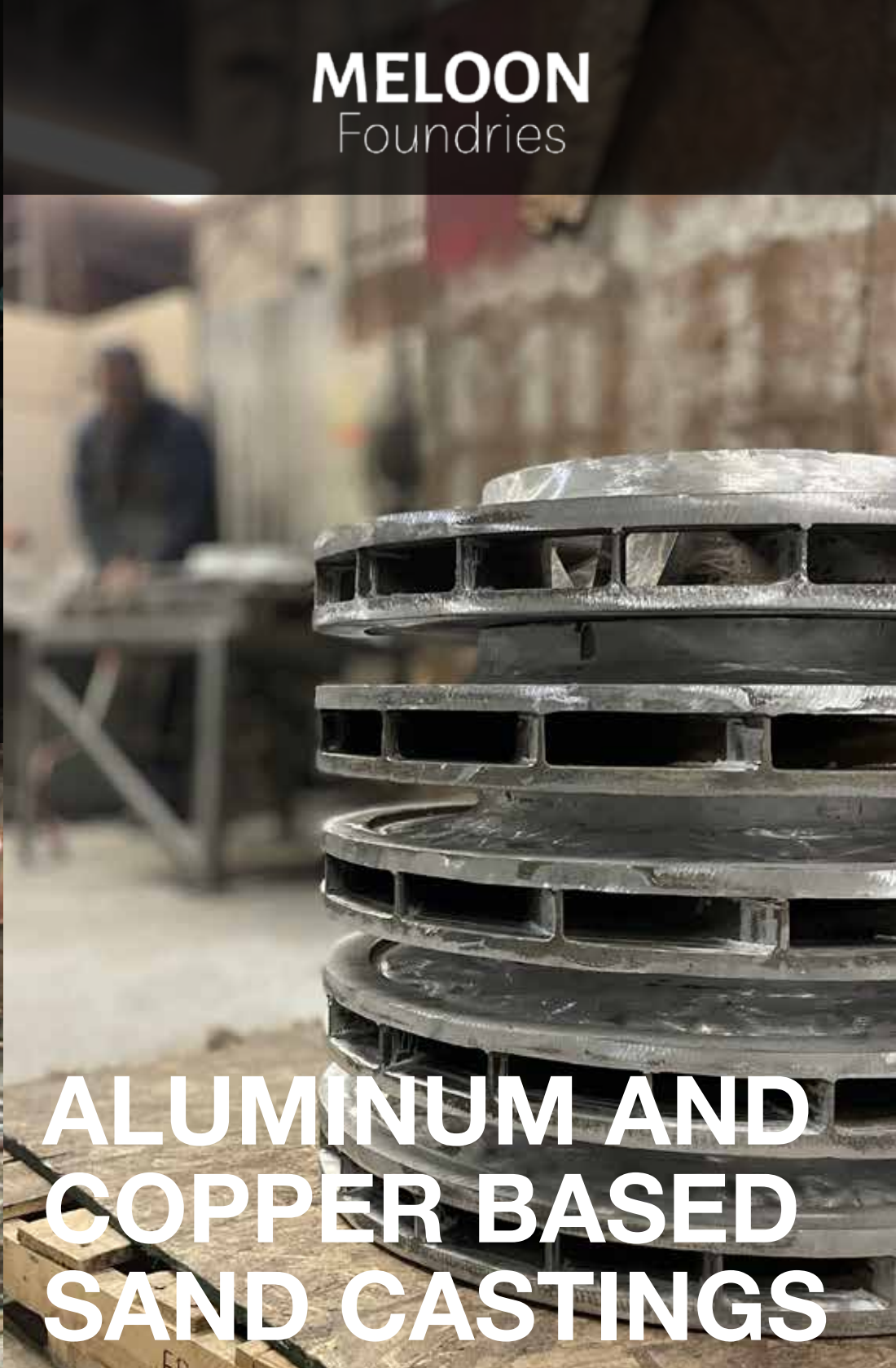
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**MELOON**  
Foundries

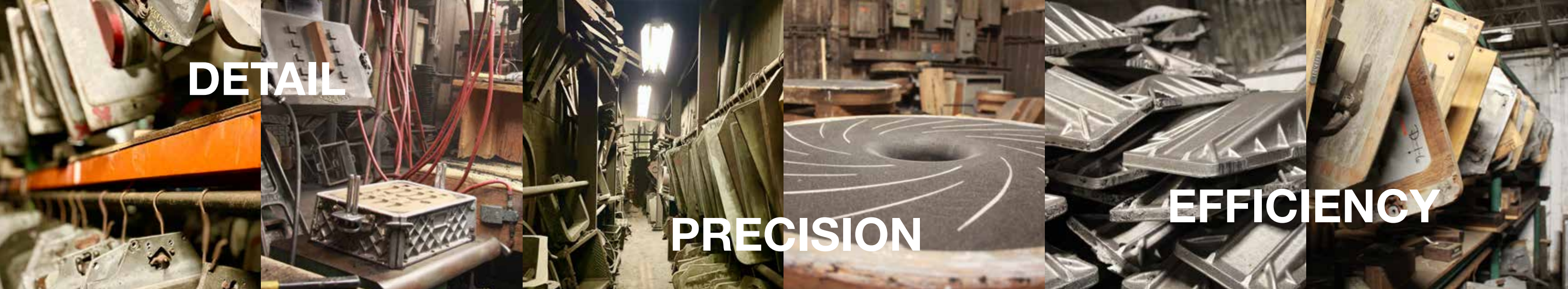
**ALUMINUM AND  
COPPER BASED  
SAND CASTINGS**

**AMERICAN MANUFACTURING, WORLD CLASS QUALITY**

Meloon Foundries has been the trusted leader in complex Aluminum & Copper based alloy castings for the past 85 years.

At Meloon, we specialize in the green sand casting process that can produce cost-effective castings for low & high-volume applications, our team is committed to providing world-class non-ferrous products with exceptional service.





## PRODUCT SHOWCASE

**Meloon promotes the capabilities of our diversified processes utilizing green sand technology.** Green sand casting is the most economical and efficient process to develop concepts into castings. Our No Bake Process, Pin Lift, Squeezer Lines, & Floor Molding can produce the products your company needs. Meloon Foundries has professionals that are committed to transfer tooling, new pattern designs, tooling refurbishments, metallurgical considerations, and casting processes.

### MOLDING CAPABILITIES

#### NO BAKE PROCESS

- Handle Larger More Complex Castings up to 1000 lbs
- Create high strength & dimensional critical castings
- Molding line capacity- 300-500/lbs of sand/minute to optimize production needs

#### PIN LIFT

- Osborne Pin-Lift Line: accommodate high volume production and molding in flask sizes 22” thru 30”
- Engineering custom sizes to run as a cope and drag configuration

#### SQUEEZER LINE

- Squeezer Bench Molding: Green sand molding in flask sizes from 12”x12” thru 18”x18”
- Low-cost, high-productivity process that can be scaled up for large production runs.

#### FLOOR MOLDING

- Large Floor Molding Areas: semi-production custom molding area with flask sizes up to 93” x 93”
- Cores are made using a bonded process and is excellent for low volume, larger cores, and prototype development

### VALUE ADDED SERVICES

- Gas fired heat treat oven with air & water quench, capable of T5, T6, T7 & T71 tempers
- Two Pangborn 6 ft. table blast

### QUALITY ASSURANCE CAPABILITIES

- Spectrograph Analysis
- Metal Certification
- Tensile & Brinell testing
- Dietert full sand testing lab
- Grain Refinement Evaluation
- Continuously Updated Processes
- Vacuum gas testing stations
- Quality at the source decisions

### ENGINEERING CAPABILITIES

- Flask Sizes up to 93”x93”
- Castings up to 1000 lbs
- Certified Welding Techniques
- Specialize in melting 319, 355, 356, C865-C997 not inclusive
- Rapid deployment from prototyping to production
- Expert in transfer tooling
- Design optimization
- Pattern consulting & construction

## LEAN MANUFACTURING

The Meloon team continues to invest in lean manufacturing & six sigma (staffed black belt) methodology to improve product quality & provide value added operations for its customers.

Just in time delivery-to help customers reduce inventory costs. Meloon plans its production with reduced lead times and increased manufacturing capacities with stronger due date achieved by reducing lead times and increasing capacity.

## GREEN SOLUTIONS

Our green sand and molding process is continuously recycled through our sand-reclaiming system. Once the molds are completely processed after pouring, the sand is sent back to the sand miller to start the mold making process. There are no chemical additives which allows any unprocessed sand to be used in landfill applications.

## ADDITIONAL SERVICES

- Provide Network of Machine Shops, Platers and Polishers Upon Request
- In-House Value-Added Services to Provide Customer with Total Satisfaction.
- Rapid Response to Customer Concerns and Issues.

