

**More
Modern
Than
Ever
Before...**

**QUAL
2000**

And Here's The Proof:

Here at Modern Aluminum Castings, you find state-of-the-art equipment ready to offer you the highest quality castings available. We've enhanced our traditional line of jolt-squeezer and rota-lift machines and semi-automatic pallet-line system with our newest additions, the Beardsley and Piper automatic molding machine and Series VII Continumatic mold-handling system. Add these to our automated sand system and an automated materials handling system, and you'll find a precise molding operation ready to serve you.

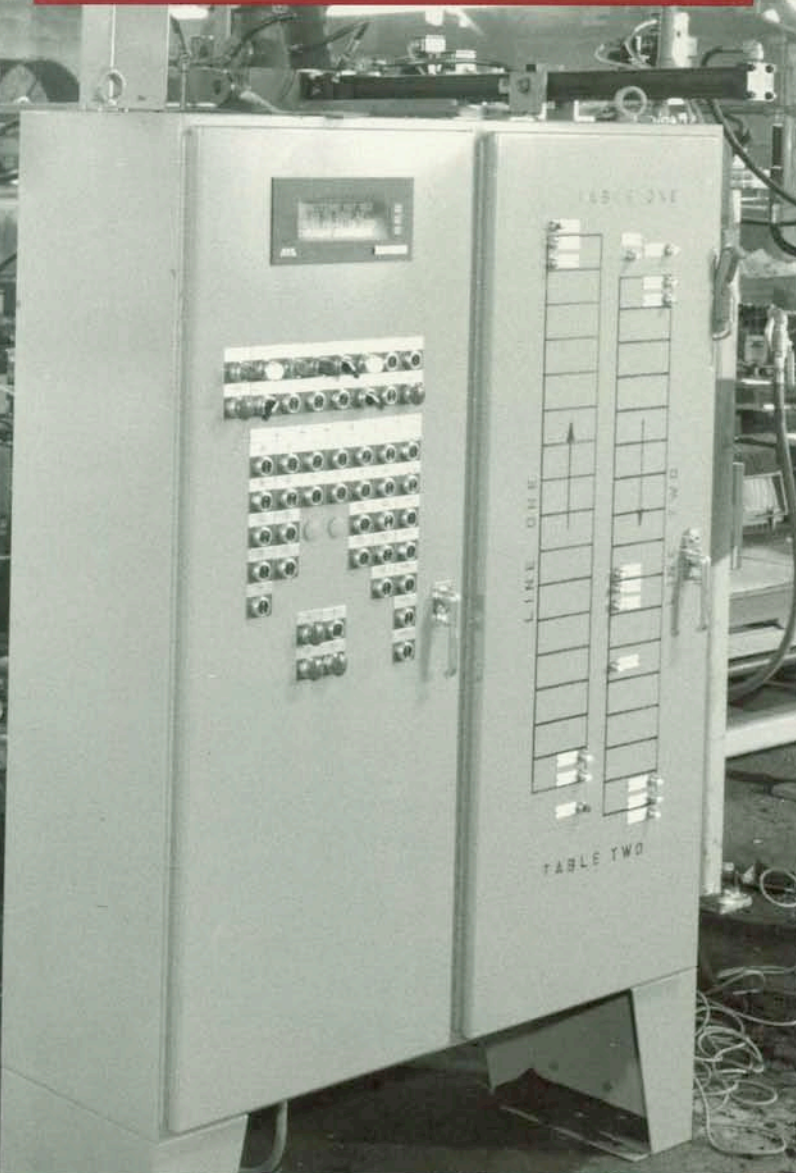
All this means greater precision and productivity. Because the entire system is automated from start to finish, we have lower production costs, and you get lower per-part costs.

And Satisfaction Is Proof Positive.

Since 1919, Modern has served a variety of industries—from major corporations to small manufacturers. Our customers stay with us because we're there when they need us, at all hours, even on weekends. If you're looking for a complete production foundry with a history of long-term clients and customer satisfaction, you've found it. Throughout three quarters of a century, we have always worked to keep our production capabilities in sync with your production needs, and today, we happily report that Modern Aluminum Castings is more modern than ever before.

Left:
This new high-pressure automatic molding machine produces a high-quality surface finish and dimensionally consistent castings. The perfectly aligned machine creates low scrap and high production—a more consistent mode of automated manufacturing. Rates of up to 160 molds per hour are achievable. All in all, the chance for human error is eliminated.

Above, insert:
Working in close harmony with the molding machine, the computerized, automatic mold-handling system receives the mold and installs the jackets, eliminating fins, mold shifts, some grinding and finishing work, and operator injury and back strain. This super-smooth, hydraulically operated mold-indexing line assures proper cooling time and finally dumps the mold to complete a faster, infinitely more precise system of handling your order. The entire molding operation requires only one individual, with the exception of pouring.



Aluminum Alloy Sand Casting Specialists...

Modern Aluminum works as your aluminum sand casting partner. We're specialists, and when you have a problem, we don't stop until we've helped you solve it. Our technology, experience, and know-how mean we can produce your castings within demanding specifications. Every year, we produce thousands of castings for customers around the nation. Our customers include, among others, manufacturing companies in these industries:

- automotive
- electrical lighting & equipment
- medical
- general industrial
- ventilation
- special machinery
- construction
- painting
- industrial cleaning
- sporting goods

We supply everything from automotive water pumps and explosion-proof castings to lighting parts, and blower and motor housings. Our most popular aluminum alloys include:

- 319
- 356
- A356
- ALMAG 35 (535)
- 712
- 713

Our molding machines include:

- Beardsley and Piper Automatic Molding with Series VII Continu-matic Automatic Mold-handling system
- Squeezers (match plate)
- Rota-lifts (large match plate)

Casting sizes range from 1 ounce to 100 pounds, and from very small to approximately 2-1/2 feet square. Casting capabilities include prototypes to high-volume production.

Modern's Quality Equation:

ONE METAL + ONE PROCESS + ONE FOCUS

=

QUALITY ALUMINUM SAND CASTINGS FOR YOU

We Turn Your Prototypes Into Parts...

At Modern, we can assist you in the engineering and design of your parts, as well as in their manufacture. Our complete Pattern Department will assist you with new pattern toolings, prompt design changes, and tooling maintenance. We specialize in wood and metal patterns, both production and experimental, and work with you to meet your needs. We can help you design prototypes, as well. Three quarters of a century ago, Modern Aluminum was founded by an expert pattern maker. Today, we continue that tradition of expertise.

You Get Quality "To The Core"...

At Modern Aluminum, we're not strangers to the problems of complicated cores. We have in-house, high-production core facilities. And this means we can produce your castings within the demanding specifications of complicated cores. Our Core Department processes include:

- shell
- oil sand
- warm box
- cold box

Some 60% of the castings we make involve cores. Core work is an art in itself, and few can compete with our special knowledge and core capabilities. Whether a given part requires one core or seven, a variety of internal designs separate Modern from so many of our competitors.

Complete Finishing, Cleaning, Shotblasting Department...

Modern Aluminum strives to build a partnership with you, so our capabilities don't stop after the parts are made. Modern's edge in the Finishing Department is the automated transfer of castings from one process to the next, through Modern's unique



material-handling system. Our operators are able to concentrate on specific processes, and that focus on quality leads to increased efficiency, productivity, and safety. In addition, we have a variety of secondary processes available: heat treatments, coatings, machining, and surface treatments such as shotblasting and vibratory finishes—all available for you.

And We're Fast...

While we're not perfect, our customers tell us that our **just-in-time delivery program** outperforms the competition. This attention to your needs is another example of our willingness to respond to all types of needs and all types of time lines. If the need arises, just ask about our **Fast-Cast program**—the "Modern" way to respond to your emergencies. Or, if you're able to plan ahead, ask about our stocking service.

A Solid History Of Satisfied Customers...

After three quarters of a century, we at Modern Aluminum still carry on the tradition of delivering **quality sand castings to satisfied customers**. Our solid history as a production foundry wasn't made in a day—it was made by answering the needs of our customers day after day, year after year. Today, our 60,000-square-foot facility houses a fully automated production system and offers complete aluminum alloy sand casting production services, from design to delivery. And, we're **rated A-1 by Dunn & Bradstreet**.

Modern Aluminum—we're a solid corporation with a solid history of customer service. And, we are more "Modern" than ever before...

Call Us Today...Free:

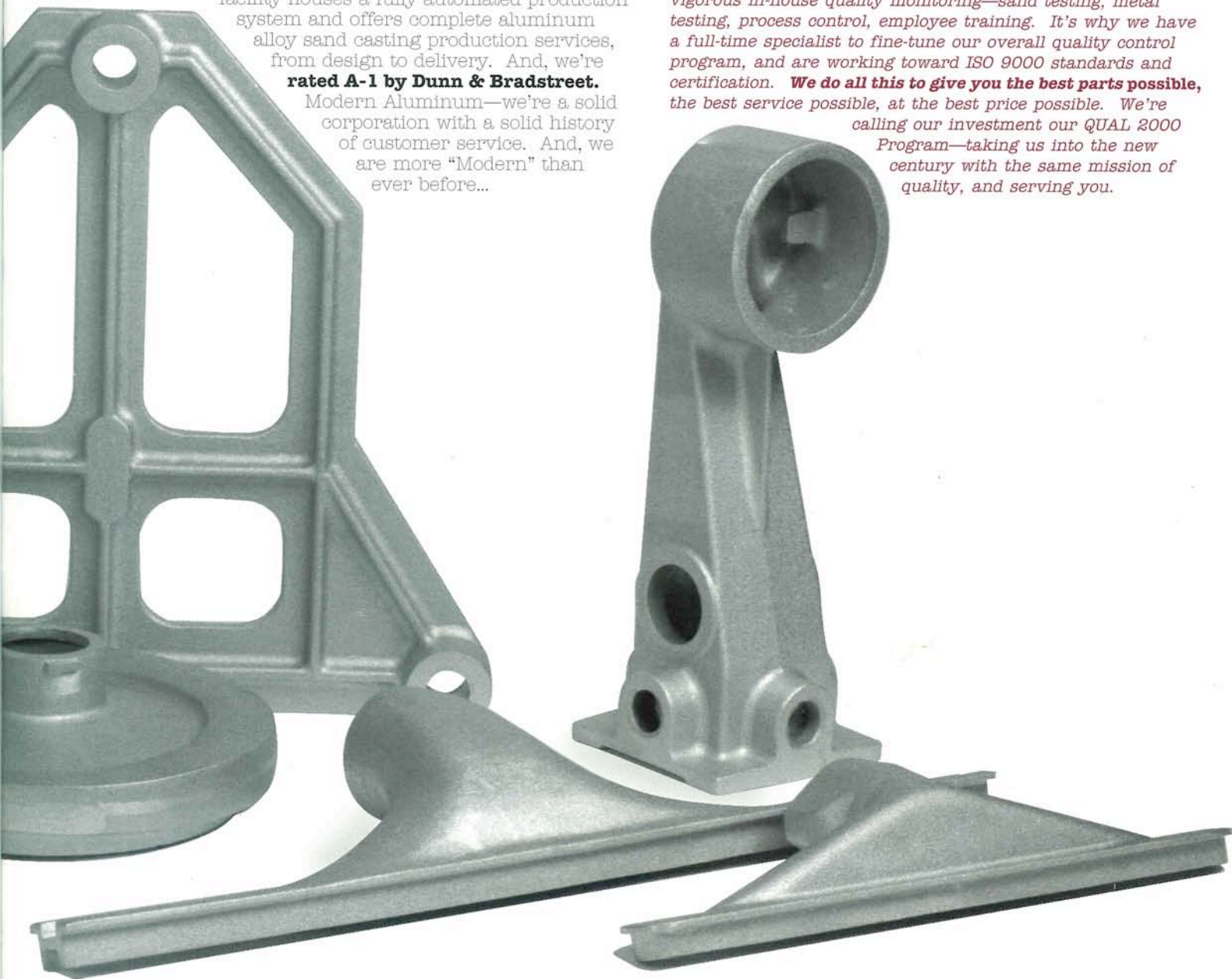
1-800-467-6252

Or **FAX** your drawings to us at **(812) 232-0009** for quotations or design assistance. Modern Aluminum welcomes inquiries and will be happy to discuss your casting requirements. Our competitive prices and overall value will cause you to call again and again.

QUAL 2000

What It Means...

*Quality has always been the mission at Modern Aluminum, and we plan to keep it that way. That's why we've invested in the B&P automatic molding machine and automatic mold-handling system. And that's why we're investing our time in vigorous in-house quality monitoring—sand testing, metal testing, process control, employee training. It's why we have a full-time specialist to fine-tune our overall quality control program, and are working toward ISO 9000 standards and certification. **We do all this to give you the best parts possible, the best service possible, at the best price possible.** We're calling our investment our **QUAL 2000 Program**—taking us into the new century with the same mission of quality, and serving you.*





MODERN
ALUMINUM CASTINGS
QUALITY ALUMINUM CASTINGS
& PRODUCTION TOOLINGS

1400-1500 N. 14TH ST.
TERRE HAUTE, IN 47807
(812)232-0007
FAX (812)232-0009

E-N

Michael W. Rourke
President

M

MEMBER • AMERICAN FOUNDRYMEN'S SOCIETY
WEBSITE: WWW.MODERNALUMINUM.COM
E-MAIL: MODALUM@MOD

MODERN

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Are you totally satisfied with your aluminum castings?

Here at Modern Aluminum, we specialize in producing quality aluminum sand castings and custom toolings. Now in our 75th year, we've recently enhanced and enlarged our production facilities. Along with this, we've initiated an in-house quality monitoring system we call QUAL 2000. We are *more Modern than ever before*, and we've enclosed our latest brochure that details our capabilities and how we can serve you.

We would appreciate an opportunity to work with you to meet your casting requirements. For quotations or design assistance, call us today—free—at 1 (800) 467-6252

Sincerely,

MODERN ALUMINUM CASTINGS CO., INC.

Michael W. Rourke
National Sales Manager

MWR/dc
Encl: 1

BASIC FACILITY LIST
(PLANT - 60,000 Sq. Ft.)
(ADDITIONAL WAREHOUSE - 12,000 Sq. Ft.)

- 1 2620 B & P AUTOMATIC MOLDING MACHINE WITH CONTINUOMATIC MOLD HANDLING. 120 MOLDS PER HOUR CAPACITY.
- 1 2016 B & P AUTOMATIC MOLDING MACHINE WITH CONTINUOMATIC MOLD HANDLING. 160 MOLDS PER HOUR CAPACITY.
- 1 85 TON PER HOUR SAND SYSTEM WITH COMPUTERIZED HARTLEY SAND CONTROLS.
- 2 3000 POUND MELT-HOLDING GAS THERMTRONICS REVERBATORY (800 POUR POUNDS PER HOUR).
- 2 EACH OIL SAND, SHELL, WARM BOX AND COLD BOX CORE PROCESS MACHINES.
- 1 ROTARY IMPELLOR DEGASSING UNIT WITH VACUUM METAL CHECKING CHAMBER.
- 1 INTERNATIONAL JOLT - SQUEEZER MOLDING MACHINES.
- 1 OSBORN 3161 ROTO-LIFT MOLDING MACHINES.
- 1 OSBORN 3191 ROTO-LIFT MOLDING MACHINE.
- 2 ST. LOUIS CONVEYOR MOLD PALLET LINES WITH A CARRIER MOLD-SAND SHAKEOUT SYSTEM.
- 2 CNC HAAS VF02
- 2 HERSCHAL CORE REMOVAL MACHINES.
- 1 WHEELABRATOR SHOTBLASTING MACHINE.
- 14 FINISH GRINDING MACHINES.
- COMPLETE SAND TESTING FACILITY.



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VISION STATEMENT

OUR VISION IS TO BE BETTER THAN ALL THE REST BY SATISFYING "YOU"
OUR CUSTOMER.

MISSION STATEMENT

OUR MISSION IS TO CREATE A CUSTOMER ORIENTED MANUFACTURING ORGAN-
IZATION WHICH PRODUCES ALUMINUM CASTINGS THAT SATISFY CUSTOMER
EXPECTATIONS FOR QUALITY, DELIVERY AND COST.

AND TO

ESTABLISH AN ENVIRONMENT CHARACTERIZED BY HIGH ETHICAL STANDARDS
AND HIGHLY COMMITTED, TEAM ORIENTED, WELL TRAINED AND ENTHUSIASTIC
EMPLOYEES DEDICATED TO CONTINUOUS IMPROVEMENT.

QUALITY POLICY

WE WILL DELIVER COMPETITIVE PRODUCTS AND SERVICES THAT MEET OR
EXCEED CUSTOMER EXPECTATIONS.