

QUALITY

WE ARE COMMITTED TO CUSTOMER SATISFACTION BY PROVIDING THE HIGHEST LEVEL OF QUALITY PRODUCTS AND SERVICES AS PERCEIVED BY OUR CUSTOMERS



COMMITMENT

We develop lasting relationships with our customers and suppliers, strive for continual improvement in our processes, and promote ongoing training and involvement of all our employees.



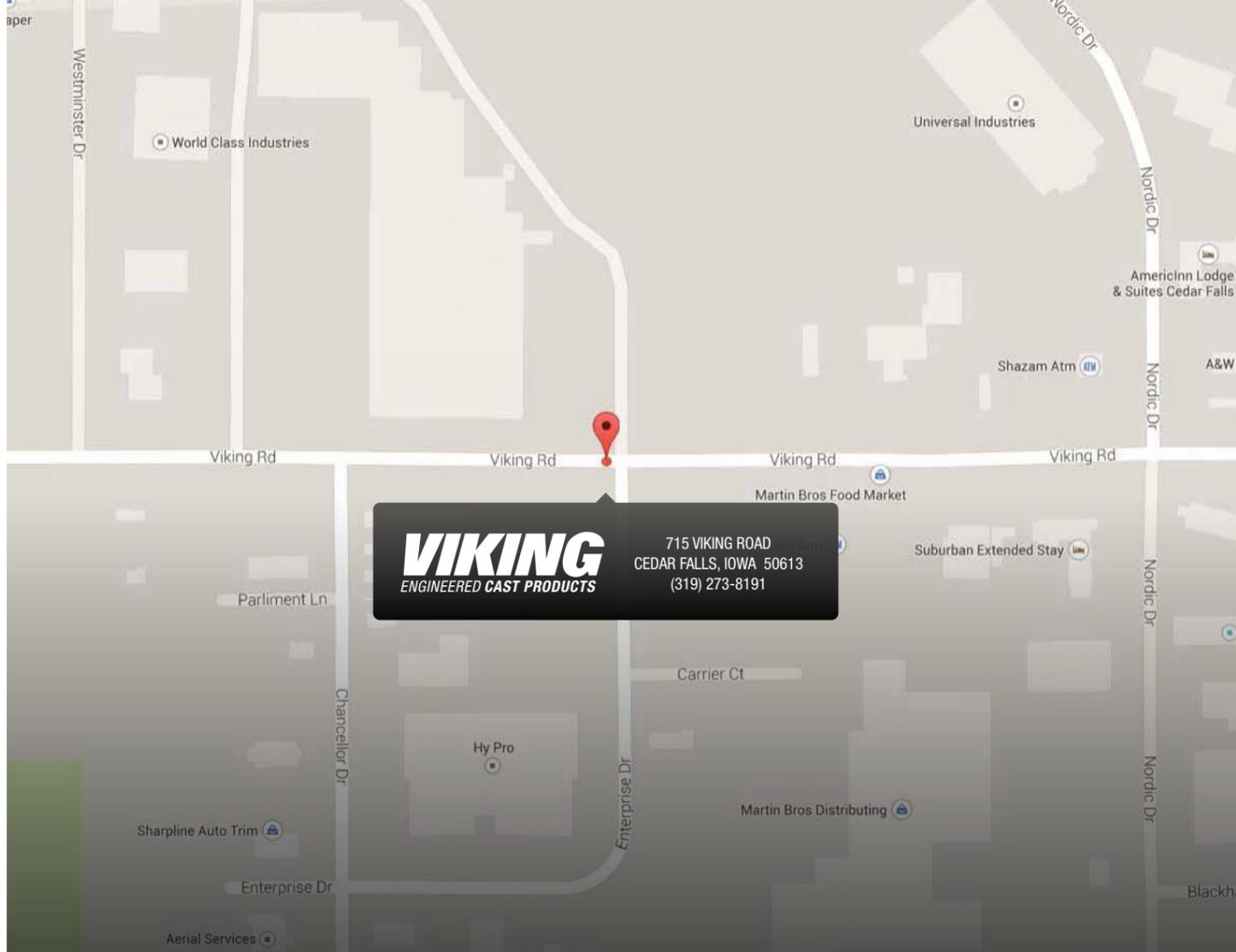
CERTIFICATION

Viking's Quality Management System is registered to the International Standard [ISO 9001:2008](#).



AFFILIATION

We are members of the [American Foundry Society \(AFS\)](#) and [Steel Founders' Society of America \(SFSA\)](#). These organizations and the resources they provide aid in our commitment to quality.



VIKING ENGINEERED CAST PRODUCTS



VIKING

ENGINEERED CAST PRODUCTS



HISTORY

VERY EARLY IN ITS DEVELOPMENT AS A GLOBAL LEADER, VIKING PUMP PURCHASED TWO FOUNDRIES LOCATED IN CEDAR FALLS, IOWA

As a global leader in positive displacement pumping solutions, Viking Pump realized the importance of having a supply of quality castings from which to build their pumps. As part of reorganization and a recapitalization program in 1929, Viking purchased two foundries.

The Banner Brass Foundry became the Viking Pump Brass Foundry. In 1959, with the advent of induction melting facilities and the introduction of pouring stainless steel, this foundry became the Viking Pump Alloys Foundry. Today, this foundry has expanded to approximately 32,000 square feet.

The Falls Iron Foundry became the Viking Pump Iron Foundry. The 78,000 square foot Iron Foundry has moved twice since its original purchase. Since 1976, it has been located adjacent to the Viking Pump Machine Shop.

“ WE HAVE THE PEOPLE, THE EXPERIENCE, THE FACILITIES, AND MOST IMPORTANTLY, THE COMMITMENT TO RESPOND TO YOUR CASTING NEEDS. ”

- Viking Engineered Cast Products -



MELTING:

- (6) 1,000 lb. coreless induction furnaces
- (1) 500 lb. coreless induction furnace

CORE PRODUCTION:

- No bake
- Shell

MOLDING DEPARTMENT:

- Squeezer: 12" x 12", 13" x 13", 12" x 16", 12" x 18", 15" x 16"
- (1) International 24" x 24" cope and drag (10 to 250 lbs.)
- Osborne 32" x 32" cope and drag (10 to 250 lbs.)
- (1) No bake/Air Set Molding Station (25 to 500 lbs.)

HEAT TREAT:

- 4,000 lb. capacity double-end furnace with quench tanks (2,250 °F)

METALS POURED:

- Viking pours a variety of carbon steels, low alloy steels, heat and corrosion stainless steels produced to ASTM specifications
- Grades WCB, WCC and CF8M are poured daily
- Special steel alloys or specifications can be produced if there is sufficient quantity

METALLURGICAL LAB:

- Fully equipped for chemical analysis, mechanical testing, and metallography

PATTERN SHOP:

- Fully equipped to mount, rig, and repair metal, urethane, and wood tooling
- Have qualified third party pattern shops that can model, make and repair patterns, and do rapid prototyping
- Have facilities to store customer patterns when not in use

EXTRA SERVICES:

- Radiography Testing
- Magnetic Particle Testing
- Penetrant Testing
- Modeling
- Painting

MELTING:

- (2) 4 Metric ton coreless induction furnaces
- (1) 5 ton coreless induction furnace

CORE PRODUCTION:

- No bake
- Cold box
- Shell

MOLDING DEPARTMENT:

- (2) Hunter HMP10 with single carousel (10 Hunter, ounces to 35 lbs.) 14" x 19" x 6"/6"
- (1) Hunter HMP32C (32 Hunter, 30 to 250 lbs.) 30" x 32" x 12"/12"
- (1) International cope and drag (up to 300 lbs.) 36" x 36" x 14"/14"
- No Bake Molding (up to 1,200 lbs.)

HEAT TREAT:

- Double car bottom furnace (500 °F to 1,850 °F)
- 10 ton load capacity

METALS POURED:

- Viking produces the following standard grades of gray iron per ASTM A48: class 35b and class 40b
- Viking produces the following standard grades of ductile iron: ASTM A395 grade 60-40-18 and ASTM A536 grades 60-40-18, 65-45-12, and 80-55-06
- Special iron alloys or specifications can be produced if there is sufficient quantity

METALLURGICAL LAB:

- Fully equipped for chemical analysis, mechanical testing, and metallography

PATTERN SHOP:

- Fully equipped to mount, rig, and repair metal, urethane, and wood tooling
- Have qualified third party pattern shops that can model, make and repair patterns, and do rapid prototyping
- Have facilities to store customer patterns when not in use

EXTRA SERVICES:

- Radiography Testing
- Modeling
- Painting

MARKETS

DELIVERING HIGHLY ENGINEERED CAST PRODUCTS FOR A WIDE RANGE OF INDUSTRIES, COVERING MANY APPLICATIONS



CHEMICAL PROCESSING



RAILROAD EQUIPMENT



MACHINE TOOLS



FARM MACHINERY



FIRE & RESCUE



CONSTRUCTION, MINING & MATERIAL HANDLING



FOOD SERVICE EQUIPMENT & MACHINERY



PUMP & COMPRESSOR MANUFACTURING



WATER & VALVES