



TRANSPORTATION



The company has been involved in the transportation industry since its founding in 1919. Today, BVA continues to maintain a strong presence in several important transportation end markets, including applications in the railroad and maritime industries. Typically, the company's transportation customers require castings for demanding environments where abrasion and corrosion resistance are of critical importance.

BVA supplies an assortment of steel and iron castings to the global transportation industry in the following markets and applications:

- **Railroad & Light Rail Markets**
- **Maritime, Barge & Inland Marine Markets**
- **Dredging Equipment & Systems Market**



Market Expertise & Foundry Operations

Over the last 100 years, BVA has built a diverse and flexible set of manufacturing capabilities, as well as developed a deep institutional knowledge and expertise in the production of steel and iron castings for the global transportation industry, including the railroad, inland marine and dredging markets.

The company's deep foundry expertise and array of manufacturing capabilities allow for undertaking a wide selection of challenging projects, including:

- Castings ranging in weight from 1 to 5,000 lbs
- Dimensional footprint from a few inches to more than 12 ft
- Automated and floor molding options/capabilities
- High volume, serial production, as well as ultra low-volume applications
- Relatively small minimum heats (generally 1,000 lbs, minimum)



Beaver Valley Alloy

Quality Castings Since 1919

If you have any questions regarding BVA, our market expertise or our foundry capabilities, please feel free to contact us:

Beaver Valley Alloy Foundry Company

4165 Brodhead Road, Monaca, PA 15061-3026

Attn: John Forster, Jr. - Sales Manager

Office: 724-775-1987

Toll Free: 800-900-8258

Fax: 724-775-1474

Email: cast@bvalley.com



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Railroad & Light Rail Markets

BVA supplies specialty steel and iron castings for an assortment of rail industry applications, including components for track-related equipment and rolling stock. For track-related applications, the company has produced manganese steel castings up to and including 16 ft in dimension. For rolling stock, the company specializes in low-volume parts, including custom designed structural and wear components for antique and other challenging out-of-production railcar and locomotive designs.

- Switch Frogs
- Guard Rails
- Switch Stands
- Rail Crossings
- Wheels
- Collars
- Steam Nozzles
- Grates & Grate Supports
- Stacks
- Historic Replacement Components

Common alloys for the rail industry include manganese or stainless steels, as well as iron alloys as follows:

- Hadfield manganese, alloy & stainless steels (including ASTM A128, 4340, 8630, CF-8 and CF-8M)
- Cast and alloy irons (Typically Class 40)



Maritime, Barge & Inland Marine

BVA produces castings for a variety of maritime markets, including a range of applications for the inland marine, barge and material handling (off-loading) segments. The company manufactures structural castings for tugs, barges and other inland marine equipment, as well as components used in river locks and dams, mooring equipment and dockside material handling.

- Deck Cleats
- Bollards
- Gear Racks
- Butterfly Valves
- Winch Housings & Drums
- Flanges
- Rails & Headers
- Locks & Headers

Common alloys for foundry equipment and other ancillary metal processing applications include:

- Full range of carbon, alloy and stainless steels (including ASTM A27, A148, 1026, 4340, 8630, CF-8, CF-8M and CF-3M)
- Cast and alloy irons



Dredging Equipment & Systems

BVA manufactures a variety of castings for the global dredging market, specializing in components for cutter suction technology and designs. Other dredge applications for which the company produces castings include bucket ladder and clamshell dredging applications.

- Elbows
- Suction Hoods
- Cutter Heads
- Covers
- Drums
- Bearing Cages
- Spud Points
- Head Fronts

Common alloys for foundry equipment and other ancillary metal processing applications include:

- Full range of carbon, alloy and stainless steels (including ASTM A27, A148, 1026, 4340, 8630, CF-8, CF-8M and CF-3M)
- Cast and alloy irons



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