



SPECIALIZED INDUSTRIAL EQUIPMENT

Since its founding in 1919, BVA has broadened its operations into an array of industrial markets. Today, the company maintains a strong presence in several important industrial machinery markets. Typically, the company's castings are used in demanding environments requiring good durability and abrasion or corrosion resistance.

BVA supplies an assortment of steel and iron castings to the industrial equipment industry for the following markets:

- ***Bearings & Motion Control***
- ***Machine Tool & Extrusion Equipment***
- ***Pumps, Valves & Compressors***



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 motion control, industrial machinery, and pump/compressor/valve 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 industrial market expertise or our foundry capabilities, please feel free to contact us:

Beaver Valley Alloy Foundry Company

4165 Brodhead Road, Monaca, PA 15061-3026

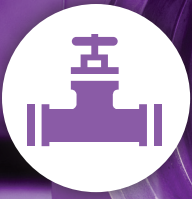
Attn: John Forster, Jr. - Sales Manager

Office: 724-775-1987

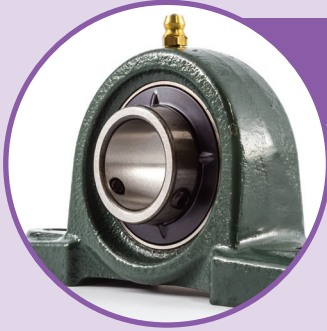
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Bearings & Motion Control

BVA supplies specialty steel and iron castings for the motion control industry, including components for a variety of bearings and hydraulics applications. Traditionally, the company specializes in mid- to low-volume parts for this market, but can also perform high-volume serial production when required.

- Bearing Housings
- Hydraulic Shells
- Pinion Housings
- Bearing Caps & Bases
- Hydraulic Cylinders
- Main Shafts

Common alloys for the motion control markets include:

- Full range of carbon, alloy and stainless steels (including ASTM A27, A148, 1026, 4340, 8630, CF-8M, CF-3M and CA-6NM)
- Cast and alloy irons



Machine Tool & Extrusion Equipment

BVA produces cast components for several industrial machinery markets, including machine tools, plastic injection and extrusion equipment. Typically, the company manufactures structural castings for machinery OEMs, as well as components used in repair/maintenance applications.

- Hoppers
- Paddles
- Machine Bases
- Screw Housings
- Augers & Jack Screws
- Scrapers
- Bonnets
- Flanges

Common alloys used for industrial machinery markets include:

- Full range of carbon, alloy and stainless steels (including ASTM A27, A148, 1026, 8630, CF-8 and CF-8M)
- Ni-hard and high chrome white irons (ASTM A532, HC250)



Pumps, Valves & Compressors

BVA manufactures a variety of castings for the global pump, valve and compressor markets, specializing in components for custom-designed applications. The company has produced these components in an assortment of metallurgies and in a variety of sizes, with some housings and bodies in excess of 6 ft in diameter and approaching 5,000 lbs.

- Pump Housings
- Valve Discs
- Diffusers
- Valve Bodies
- Seat Rings & Covers
- Suction Bells
- Impellers
- Butterfly Valves
- Covers

Common alloys for the pump, valve and compressor markets include:

- Full range of carbon, alloy and stainless steels (including ASTM A27, A148, 1026, 4340, 8630, CF-8, CF-8M, CF-3M and A352 LCB)
- Cast and alloy irons (including Ni-hard, high chrome white irons ASTM A532)



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