



PRIMARY METALS & METAL PROCESSING

The company has been involved in the primary metals and metal processing markets since its founding in 1919, when it first manufactured tooling for local tube mills. Today, BVA continues to maintain a strong presence in the global metals markets, with its castings being used throughout virtually every aspect of the production process, from blast furnace to finishing mill. The company's castings are used in the production of both ferrous and nonferrous metals, with specific applications including blast furnaces, steel and aluminum rolling mills, tube mills, foundries and metal recyclers.

BVA supplies an assortment of steel and iron castings to the primary metals and metal processing markets, including in the following applications:

- **Primary Processes – Blast furnaces, coking, BOS/EAF operations**
- **Downstream Processes – Continuous casting, hot mills, cold mills**
- **Ancillary Processes – Foundries, tube mills, value-added processing**

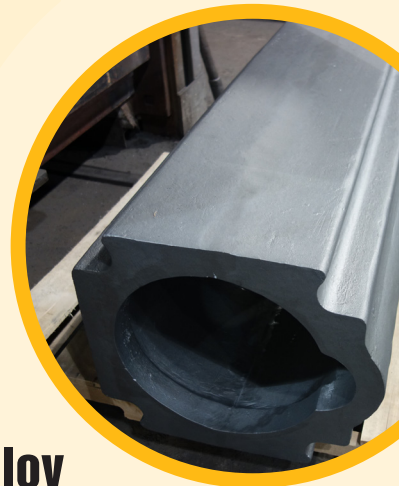


Market Expertise & Foundry Operations

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 metals and metal processing 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



PRIMARY METALS & METAL PROCESSING



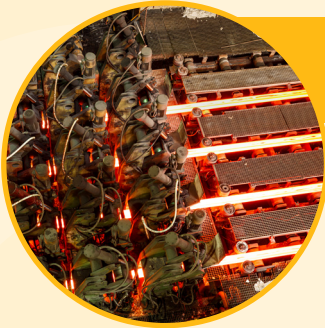
Primary Metal Processes

BVA supplies specialty steel and iron castings for an assortment of primary metal processing applications, focusing on wear parts or consumable components designed for ultra-high temperature and extremely corrosive conditions.

- Blast Furnace Liners
- Liner Plates
- Nozzles
- Nozzle Extensions
- Nozzle Adapters
- Bell Caps
- Collecting Funnels
- Wear Rings
- Bell Halves

Common alloys for this market segment feature highly heat resistant characteristics:

- Full range of carbon and alloy steels (including ASTM A27, A148, 1026, 4340 and 8630)
- Ni-hard and high chrome white irons (ASTM A532)



Downstream Metal Processing

BVA manufactures castings for a wide variety of downstream metal processing applications, including heat-resistant components for continuous casting, hot rolling, cold rolling and other processing operations.

- Guide Bars
- Guide Blades
- Segments
- Spreaders
- Chocks
- Drums & Bodies
- Journals
- Bushings

Common alloys for downstream metal processing applications include:

- Full range of carbon, alloy and stainless steels (including ASTM A27, A148, 1026, 4340, 8630, 316 and 316L)



Ancillary Metal Processing

BVA manufactures castings for a wide variety of ancillary metal market applications, including components for foundries, heat treat operations, tube mills and other similar downstream operations.

- Furnace curbs
- Pig Molds
- Press Heads
- Hog Molds
- Slats
- Bushings

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

- Full range of carbon, alloy and heat resistant stainless steels [including ASTM A27, A148, 1026, 4340, 8630, A297 (HH, HT, HU) and Hadfield Austenitic Manganese Steel A128]



Beaver Valley Alloy
Quality Castings Since 1919