



OUR WORLD IS MADE OF STEEL ...



Breitenfeld  
Edelstahl



## MISSION

### We ...

- are a flexible and reliable partner
- deliver high quality products
- guarantee customer satisfaction based upon vast experience and metallurgical know how
- react fast to fulfil our customer expectations
- aim for a long term relationship with our customers
- develop the knowledge, performance and creativity of our employees
- act responsible in respect to our society and to our environment
- communicate openly and transparently



## HISTORICAL DEVELOPMENT

- 2009** Commissioning of the new steel mill (largest speciality steel production capacity in Austria)  
Production of the first 80 ton specialty steel ingot in Austria
- 2009** Commissioning of the new forging manipulator
- 2008** Modernisation of the heat treatment facilities in the forging shop
- 2007** Extension of the re-melting shop with a 2nd ESR and a VAR re-melting unit
- 2007** Commissioning of the new 65 ton electric arc furnace
- 2003** Start up of the re-melting shop with a ESR re-melting unit
- 2001** Modernization of the steel mill with a 50 ton electric arc furnace
- 1992** Strategic decision to start the production of speciality steel products
- 1966** Start up of the forging shop
- 1948** First continuous casting trial for steel in a production scale on a world wide basis
- 1942** Foundation of the, „Eisenwerk Breitenfeld“



# PRODUCTION FLOW OF BREITENFELD

## Speciality Steel Production

1



65 t Electric Arc Furnace

2



4 Ladle Furnaces & 2 VD/VOD units

3



Casting Area

4



2 ESR, 1 VAR

5



Heat Treatment Equipment





## PRODUCTION FLOW OF BREITENFELD



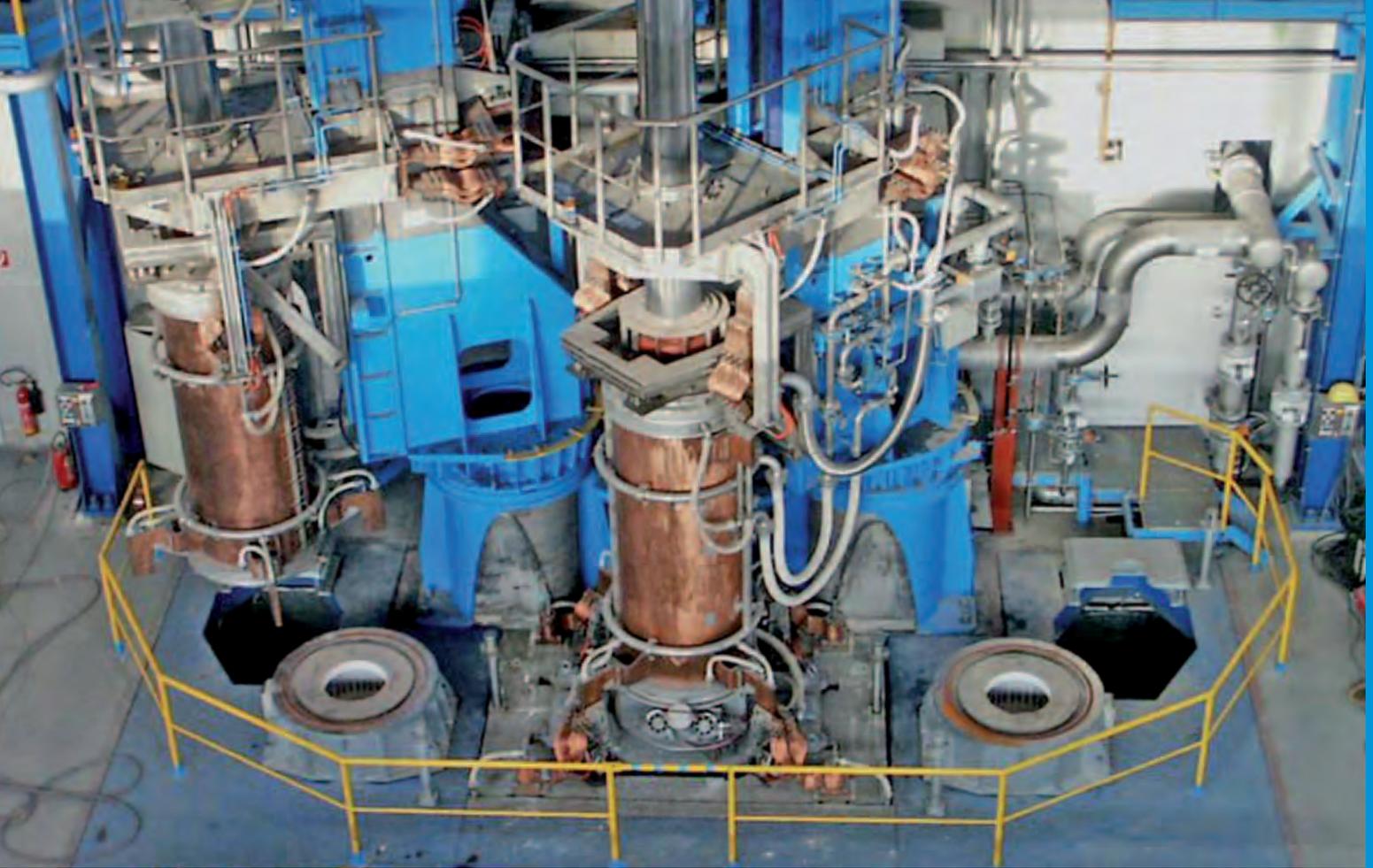


## PRODUCTS

### Ingots

- Squares from 1 t up to 12 t ingot weight
- Octagonal from 3 t up to 21.5 t ingot weight
- Polygonal from 28.5 t up to 80 t ingot weight  
Starting 2010 up to 120 t ingot weight
- Round from 3 t up to 60 t ingot weight  
Starting 2010 up to 120 t ingot weight
- Flat from 1 t up to 35.4 t ingot weight





## PRODUCTS



### ESR - Ingots

- Round 420 mm – ingot weight approx. 3 t
- Round 500 mm – flexible ingot weight up to 6 t
- Round 600 mm – ingot weight approx. 5 t
- Round 750 mm – flexible ingot weight up to 14 t
- Round 1000 mm – flexible ingot weight up to 24.5 t
- Round 1200 mm – flexible ingot weight up to 35 t

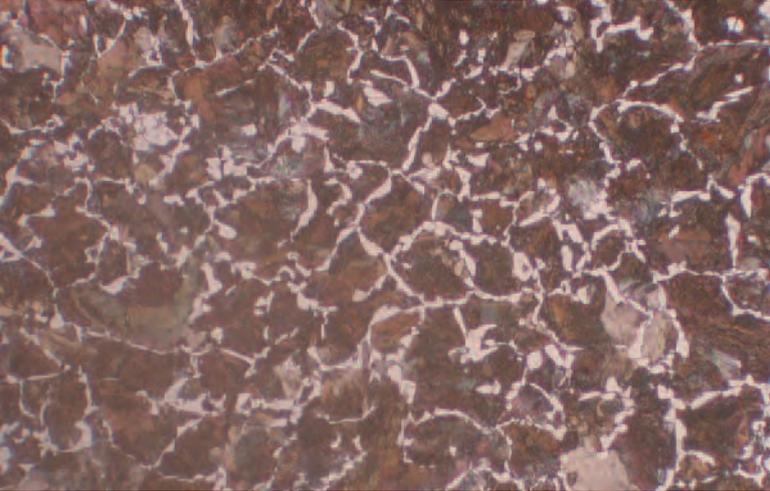
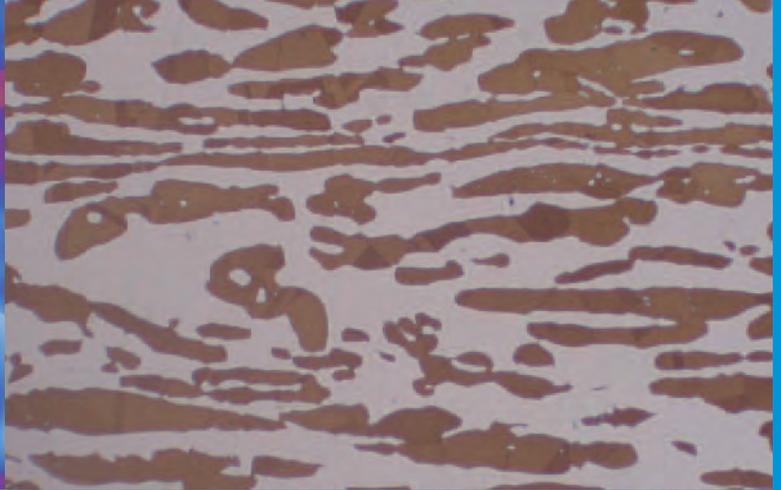
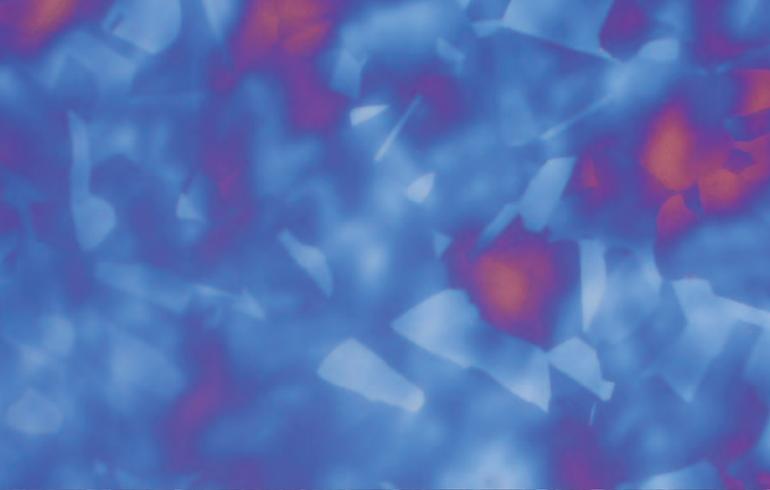


## PRODUCTS

### VAR - Ingots

- Round 450 mm – ingot weight approx . 2.6 t
- Round 550 mm – ingot weight approx. 5.5 t
- Round 800 mm – ingot weight approx. 11.5 t
- Round 1000 mm – ingot weight approx. 18.5 t





## MATERIALS



We produce Speciality Steel products, such as

- Heat treatable Steels
- Engineering Steels
- Bearing Steels
- Case-hardening Steels
- Tool steel
- High Speed Steel
- Stainless Steel (austenitic, martensitic, ferritic)
- Duplex, Super Duplex

We are specialized in the following end user segments

- Power Generation
- Windcraft
- Oil and Gas (Offshore)
- Aviation

Together with our customer we can develop specific chemical analysis and produce the corresponding ingots with our state of the art technology.



## QUALITY MANAGEMENT / QUALITY ASSURANCE

The outstandingly high quality level of our products and production processes result in high level quality assurance certificates and customer approvals. We constantly develop our quality management system. We increase the number of customer approvals on an ongoing basis. We guarantee the highest quality standard through highly qualified employees, state of the art technology and equipment supported by our ongoing investment strategy .

- ISO 9001:2008
- EN 9100:2003
- Germanischer Lloyd (GL)
- Det Norske Veritas ´ (DNV)
- TÜV AD 2000-Merkblatt W0 / TRD 100
- TÜV für Druckgeräterichtlinie 97/23/EC PED Anhang I, Absatz 4.3
- KTA 3201.1, Abschnitt 2.4
- BUREAU VERITAS (BV)
- Lloyd ´s Register (LR)
- KTA 1401; AVS D100/50; IAEA 50-C-Q





## ENVIRONMENT MANAGEMENT



Breitenfeld was the first steel mill in Austria which passed an environment inspection according to the IPPC-guidelines. Breitenfeld fulfils all legal environment standards. The ongoing investment strategy guarantees that our production facilities are the latest state of the art with respect to environmental considerations.



Breitenfeld  
Edelstahl

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