Heimerle + Meule
Heimerle + Meule Group

Heimerle + Meule GmbH

Germany´s oldest gold and silver refinery

Quality, trust and competence since 1845

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The precious metal processors in Europe

- Leading group of international precious metal businesses
- Full-service provider in precious metal processing
- Over **700 employees** at locations in **7 countries** in Europe

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- Heimerle + Meule GmbH is part of the renowned Possehl Group since 1951
- 2013 Expansion of Heimerle + Meule GmbH to Heimerle + Meule Group by taking over the former Cookson Precious Metals companies
- Heimerle + Meule Group represents the precious metal sector within the POSSEHL Group

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POSSEHL is entrepreneurial variety

- 1847 Foundation by Ludwig Possehl as trade centre for iron goods in Lübeck
- In the 20th century expansion to a global player with international customers
- More than 12.000 employees in 8 divisions in about 160 companies

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Heimerle + Meule GmbH: devoted to precious things since 1845

- 1845 Foundation as a typical refinery in Pforzheim
- 1960 The Possehl Group becomes main shareholder
- 2004 Move into an extension building
- 2006 Future-oriented restructuring
- 2013 Taking over the business group „Cookson Precious Metals“ and formation of the Heimerle + Meule Group

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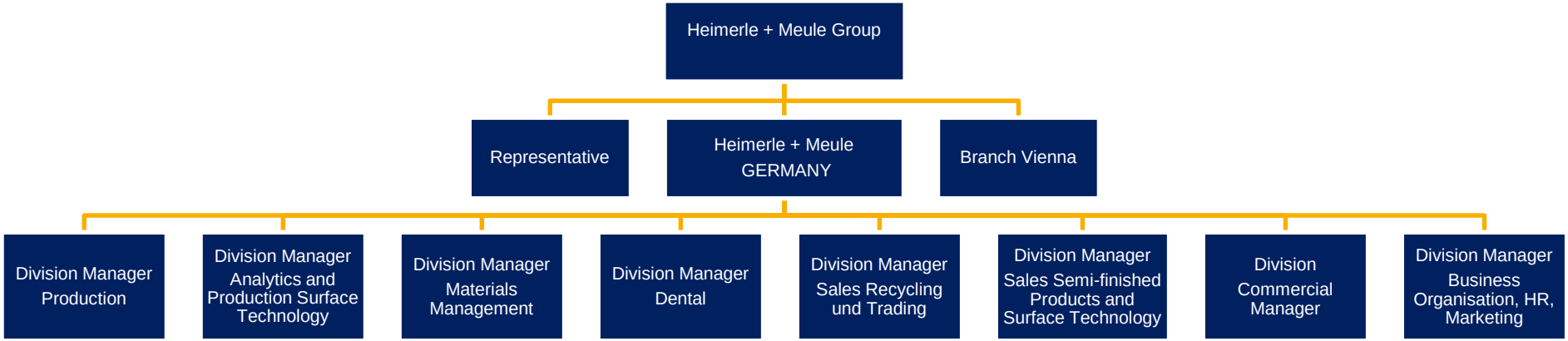
Heimerle + Meule GmbH today

Organisation



Products and services

- Precious metals refining
- Precious metals trading
- Dental products
- Precious metal semi-finished products for jewellery and technical applications
- Electroplating chemicals and -equipment, precious metal salts
- Surface technology
- Analysis und materials testing
- Investment products

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Precious metals refining

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Our expertise:

- Competent and trustworthy advice and comprehensive service e. g. support in dispatch handling
- Precise laboratory analysis
- Precious metals refining in our in-house refinery
- Expert staff from the Heimerle + Meule Group at your disposal throughout Europe

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Advantages:

- Outstanding scrap refining services
- Quick account settlement upon receipt of your goods
- Active support: collection containers and advertising material provided free of charge
- The (precious) metals recovered may be credited to your free precious metal account or returned as precious metal products. Alternatively, you can choose for the amount to be paid into your bank account.

Network of the gold and silver refinery Heimerle + Meule

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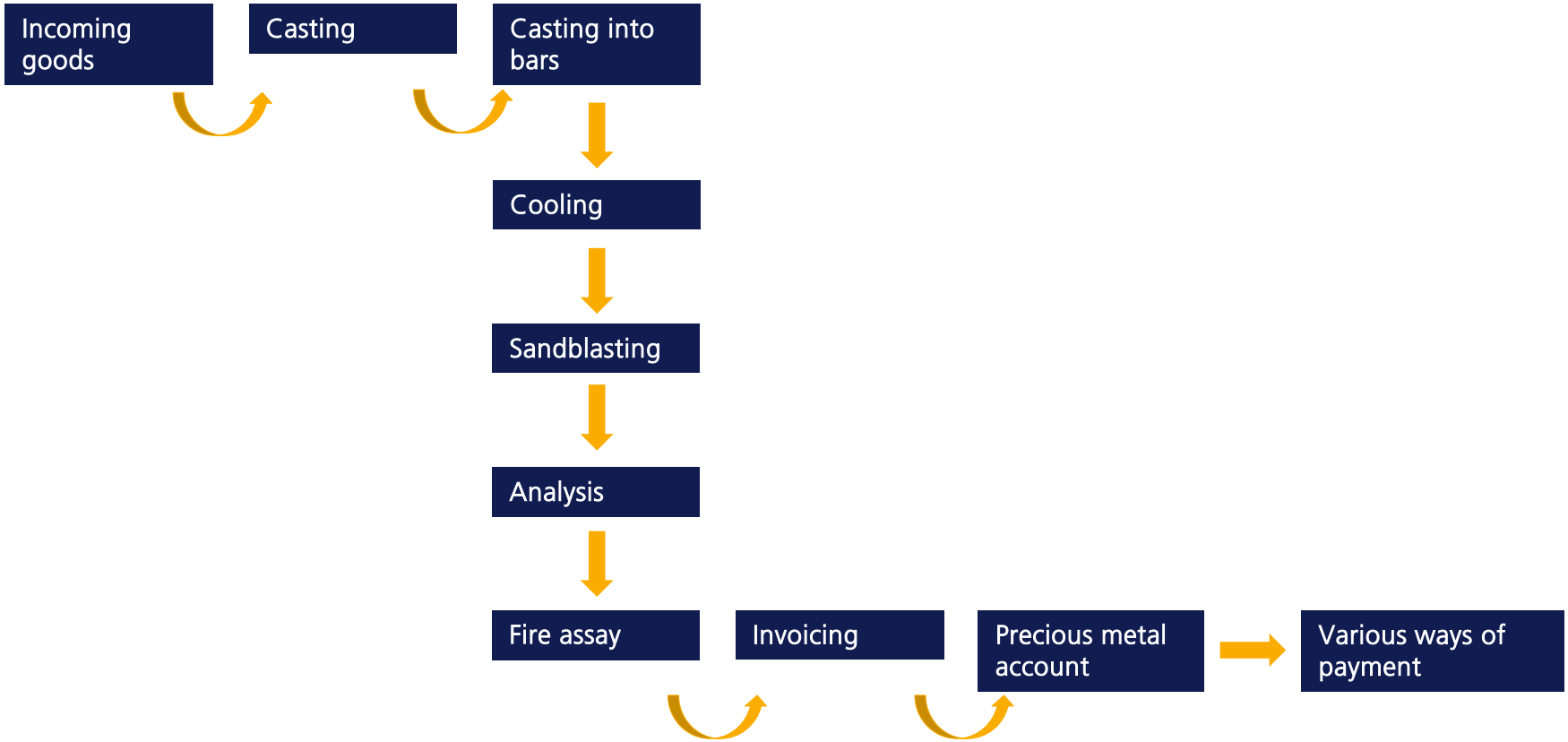
The stages of the refining process:



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1. Incoming goods

- Check weighing
- Screening and classification of the materials
- Photo and video documentation with encoding
- Creation of working papers
- Assignment of an order number
- Setting the date of casting
- Notification of incoming goods send by e-mail to the customers

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2. Casting

- Check weighing by the melter (double check rule)
- Fusion in a graphite crucible at approx. 1.200 – 1.300° C
- Depending on the material additive of Borax necessary
- The different alloys become liquid= melting range

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3. Casting into bars

- After complete melting of the alloys → Pouring the liquid melt in a suitable mould

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4. Cooling

- Cooling and solidifying of the liquid melt into a homogeneous bar
  → Volume contraction on the surface of the bar
- Professional and environmentally responsible neutralisation of the vapours by air exhaust and filter
- Removal of the hot bar from the mould
- Separate storage of the sludge

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5. Sandblasting

- Contamination and non-precious metals on the surface of the bar (due to the lower density)
- Sandblasting of the bar (Al2O3)
  → clean and slag-free surface of the cast bar (which is necessary for the sampling)
- Labelling the bar with the corresponding order number
- Archiving of the sludge as reserve samples
  → the clean, sandblasted bar can now be analized

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6. Analysis

- Assessment of the cast bar by our assayers. They decide which analysis method will be applied.
- This decision requires a pre-sampling by
  - Proof acid
  - XRF-Analysis (X-Ray fluorescence spectrosopy)

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7. Fire assay process

- The bar is being numbered and reweighed and being drilled, diagonal on both sides.
- Silver is being added to the drillings, mixed with lead and heated in a cupelle.
- The melted lead absorbs the precious metals contained in the sample.
- Due to strong heating, the lead volatilize and flow off into the crucible.
- At the end of this procedure, there only remain the pure precious metals in the form of a grain.

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7. Fire assay process

- The grain is being rolled and annealed multiple times.
- Then, the sample is being rolled up and treated with nitric acid.
- At the and of this process, the only part remaining is fine gold.
- The content of gold and silver (A- and B- samples) is being recorded.

  → the refining-order can now be processed with the customer.

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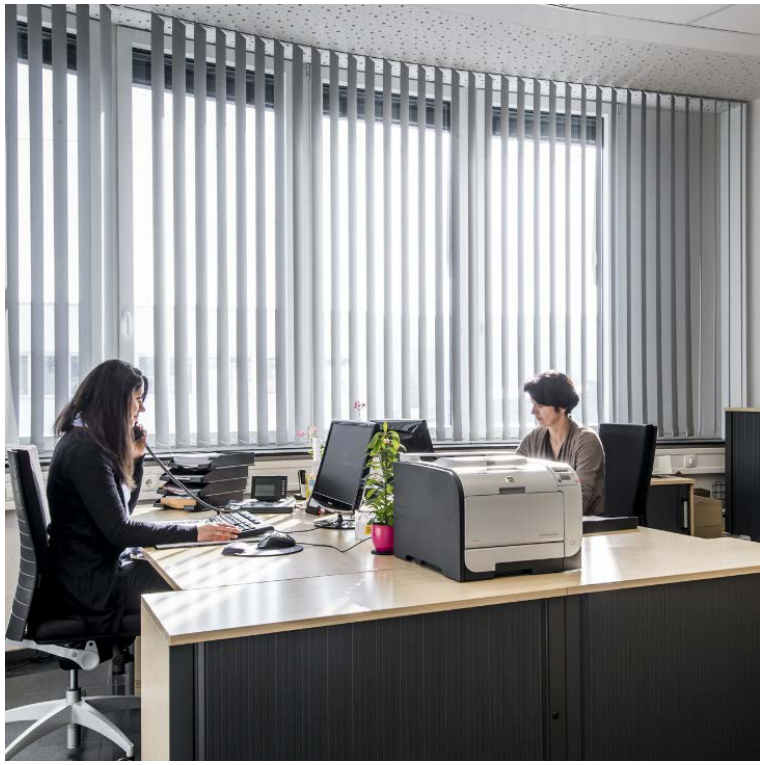
8. Invoicing

- Claim against the customer for the refinery service = final invoicing
- The customer receives a metal account claim against Heimerle + Meule



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9. Precious metal account

- Sale of the precious metals to the refinery
- Delivery of the fine metals in the form of granules or ingots
- Offsetting against orders or labour costs
- Offsetting against the delivery of semi-finished products or dental alloys
- A giro on a metal account at another company

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Precious metals trading

Trustworthy, fair and transparent – the partner you can trust on for precious metals trading

- Transparent information on the latest prices and market trends at all times thanks to our connections with the most important trading centres in the world
- Purchase and sale at spot or fixing prices respectively according to Reuters or Kitco bid
- Transparent documentation and information of the weight account activities
- Free precious metals accounts

Guaranteed trust

- DIN EN ISO 9001: highest quality standard and comprehensive expertise worldwide
- Cfsi listed
- Inclusion on the LBMA´s Good Delivery List for gold
- RJC membership
- The gold we use – and subsequently all products made from it – are conflict-free, innovative and of an extremely high quality.

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