

Portability and precision: from handheld to lab analyzers, we have you covered

The iron and steel manufacturing processing

Stage 1 Raw Materials Processing

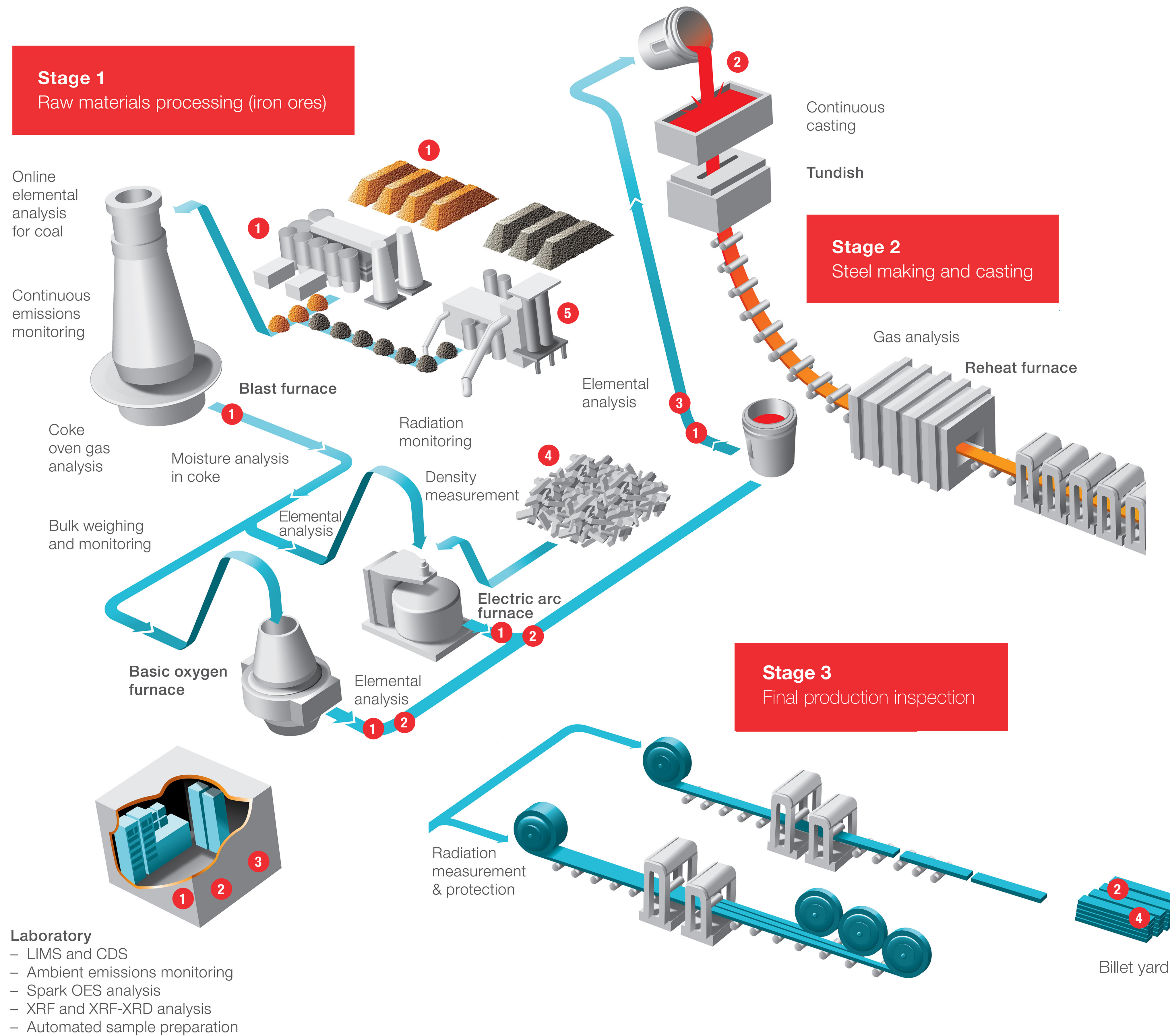
- Weight verification
- Elemental analysis using OES, XRF, XRD
- Handheld XRF analysis
- Online elemental analysis of coal
- Density, flow and level measurement
- Online gas and moisture analysis
- Radiation measurement and protection
- Particulate monitoring
- Laboratory informatics

Stage 2 Steel Making and Casting

- Elemental analysis using OES, XRF, XRD
- Handheld XRF analysis
- Elemental analysis including carbon content with LIBS
- Flow measurement
- Online gas analysis
- Radiation measurement and protection
- Particulate monitoring
- Laboratory informatics
- X-ray source/flux stability
- OES Inclusion monitoring

Stage 3 Billet/Ingot/Final Product inspection

- Certificate of analysis using OES
- Elemental analysis including carbon content with LIBS
- Handheld XRF analysis for product identification
- Laboratory informatics
- Gas analysis
- Radiation measurement and protection
- Data acquisition & management
- Particulate monitoring



- Thermo Fisher products are useful at this stage



1 ARL 9900 XRF Analyzer



2 ARL iSpark Plus and ARL easySpark OES Analyzers



3 ARL SMS Automated Analyzers



4 Niton XL5 Plus and Niton Apollo Handheld Analyzers



5 CB Omni Agile Analyzer

Learn more at thermofisher.com/niton-arl