

# Thermo Scientific Products in the Iron and Steel Manufacturing Processing

**Thermo**  
SCIENTIFIC

A Thermo Fisher Scientific Brand

禹重科技® ÜZONGLAB

## Raw Materials Processing

- Weight verification
- Elemental analysis using 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

## Steel Making and Casting

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

## Hot Rolling

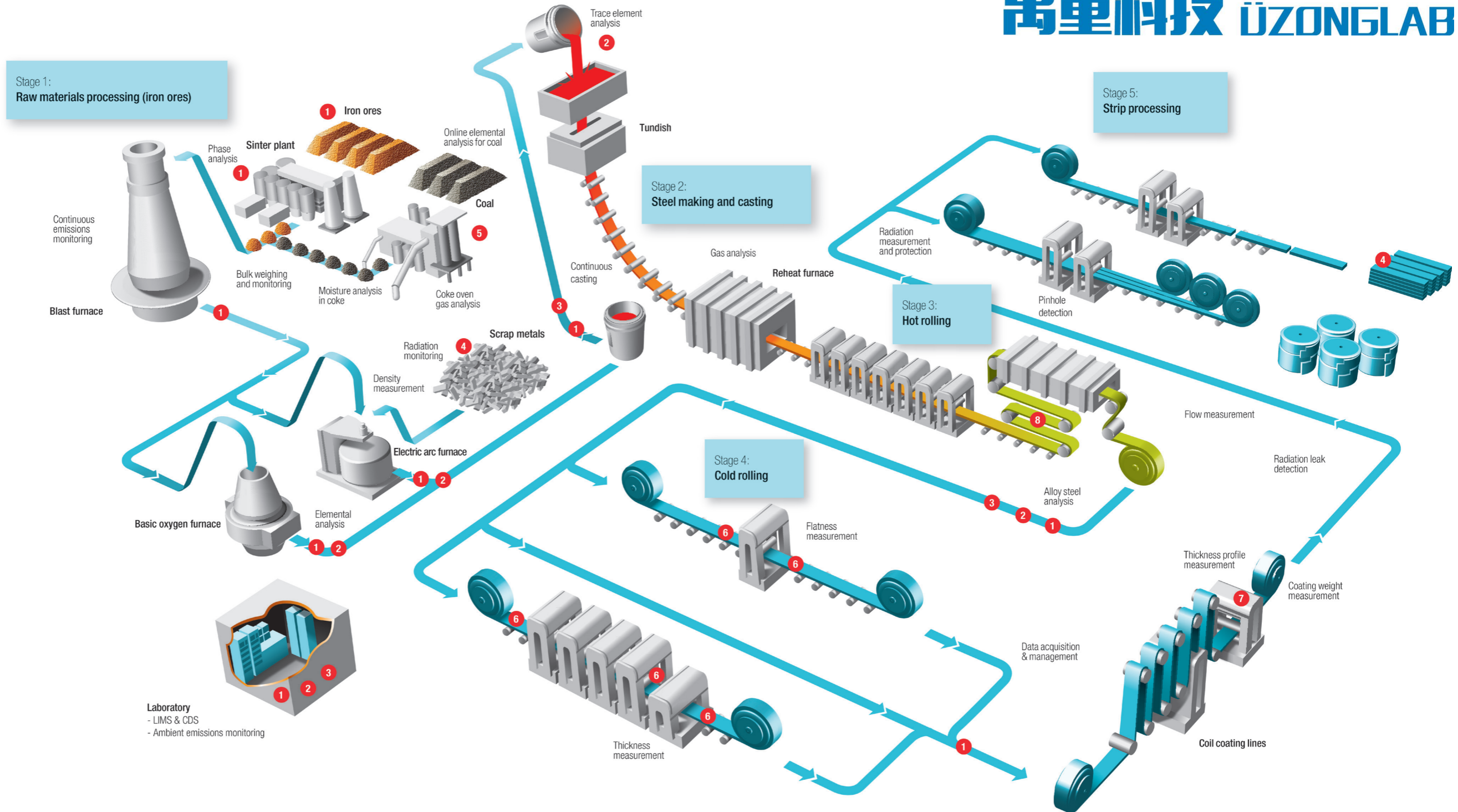
- Thickness gauging
- Profile measurement
- Elemental analysis using OES, XRF, XRD
- Data acquisition & management
- Radiation measurement and protection
- X-ray source/flux stability

## Cold Rolling

- Elemental analysis using OES, XRF, XRD
- Thickness gauging
- Gas analysis
- Data acquisition & management
- Radiation measurement and protection

## Strip Processing

- Elemental analysis
- Coating weight measurement
- Thickness gauging
- 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 OES Analyzer



3 ARL SMS Automated Analyzers



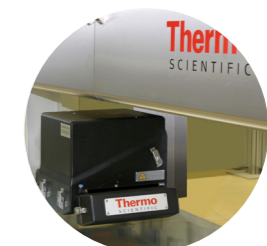
4 Niton Xi3p Analyzer



5 CB Omni Sinter Analyzer



6 RM 210 CM X-ray Strip Thickness Gauge



7 RM 315 EC Coating Weight Gauge



8 SIPRO Simultaneous Profile Gauge