

10<sup>th</sup> International  
Metallurgical Trade Fair  
with Congresses

Düsseldorf  
25/06 – 29/06/19

**1****Plant and equipment for processing prime and raw materials**

- 1.1 Handling of ores, coke and other prime materials
- 1.2 Ore dressing
- 1.3 Coal preparation
- 1.4 Pelletizing plants
- 1.5 Sintering plants
- 1.6 Briquetting plants
- 1.7 Coke oven plants
- 1.8 Scrap preparation plants

**2****Plant and equipment for iron making**

- 2.1 Blast furnace plants
- 2.2 Direct reduction plants
- 2.3 Smelting reduction plants
- 2.4 Components, ancillary equipments
- 2.5 Burden plant, coal injection plant

**3****Plant and equipment for steel making**

- 3.1 Basic-oxygen steel making plant
- 3.2 Electric steel production
- 3.3 Secondary metallurgy
- 3.4 Special processes (e.g. argon oxygen decarburization)
- 3.5 Components, ancillary equipment
- 3.6 Deep-desulphurization

**4****Plant and equipment for non-ferrous metal production**

- 4.1 Reducing
- 4.2 Refining
- 4.3 Smelting
- 4.4 Hydro-metallurgy, electrochemistry
- 4.5 Aluminium retrieval/recycling
- 4.6 Components, ancillary equipment

**5****Plant and equipment for casting and pouring of molten steel**

- 5.1 Ingot casting
- 5.2 Continuous casting
- 5.3 Near-net-shape-casting
- 5.4 Special processes
- 5.5 Components, ancillary equipment

**6****Plant and equipment for casting and pouring of non-ferrous metals**

- 6.1 Ingot casting
- 6.2 Continuous casting
- 6.3 Strip casting
- 6.4 Special processes
- 6.5 Components, ancillary equipment

**7****Plant and equipment for shaping of steel**

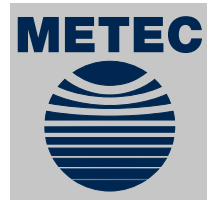
- 7.1 Steckel mills
- 7.2 Hot strip mills
- 7.3 Combined thin slab casting and rolling mills
- 7.4 Plate rolling mills
- 7.5 Billet and semi-finished product rolling mills
- 7.6 Section mills
- 7.7 Combined primary profile casting and rolling mill systems
- 7.8 Bar and wire mills
- 7.9 Ring rolling mills
- 7.10 Cold rolling mills
- 7.11 Skin pass rolling mills
- 7.12 Strip processing lines
- 7.13 Tube/pipe production lines
- 7.14 Finishing lines
- 7.15 Forging, extrusion and drawing machines
- 7.16 Powder metallurgy
- 7.17 Reheating and heat treating furnaces
- 7.18 Hydroforming
- 7.19 Rolls for hot rolling mills
- 7.20 Rolls for cold rolling mills
- 7.21 Components, ancillary equipment

**8****Plant and systems for shaping of non-ferrous metals**

- 8.1 Hot rolling mills
- 8.2 Cold rolling mills
- 8.3 Foil rolling mills
- 8.4 Wire mills
- 8.5 Strip processing lines
- 8.6 Dressing and finishing lines
- 8.7 Forging, extrusion and drawing machines
- 8.8 Reheating and heat treating furnaces
- 8.9 Components, ancillary equipment

**9****Plant and systems for environmental protection and disposal, gas purification**

- 9.1 Dust extraction and gas purification
- 9.2 Recycling and disposal
- 9.3 Regeneration plants
- 9.4 Water management and waste water cleaning
- 9.5 Noise - protecting installation
- 9.6 Ancillary equipment



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## 10 Electrical engineering and process control technology

- 10.1 Electrical equipment
- 10.2 Process control technology and automation
- 10.3 Data processing and software
- 10.4 Engineering and technical support

## 11 Measurement and test technology

- 11.1 Measurement of physical properties and quantities
- 11.2 Quality control
- 11.3 Material testing
- 11.4 Analysis and laboratory equipment

## 12 Information processing

- 12.1 Data processing, hardware and software
- 12.2 Computation and simulation software
- 12.3 e-business, e-commerce and IT-solutions

## 13 Miscellaneous equipment for metallurgical plants and rolling mills

- 13.1 Iron and steelwork vehicles
- 13.2 Lifting and conveying systems
- 13.3 Power transmission engineering, including fluid technology
- 13.4 Transport and storage techniques
- 13.5 Maintenances and repair equipment
- 13.6 Thermal insulation and refractory materials
- 13.7 Operating and ancillary materials
- 13.8 Occupational safety and ergonomics

## 14 Steel mills

## 15 Steel products

- 15.1 Rolled parts
- 15.2 Forgings
  - 15.2.1 Precision forged parts
  - 15.2.2 Drop forgings
  - 15.2.3 Precision forged parts
  - 15.2.4 Forgings for the automotive construction
  - 15.2.5 Other forgings
- 15.3 Structural steel section
- 15.4 Construction steel
- 15.5 Steel strapping products
- 15.6 Steel trading

## 16 Non-ferrous metal works

- 16.1 Non-ferrous producers

## 17 Non-ferrous products

- 17.1 Aluminium forgings
- 17.2 Copper forgings
- 17.3 Forgings for the automotive construction
- 17.4 Other forgings
- 17.5 Trading with non ferrous products

## 18 Consultation, planning, services

## 19 Technical publications, technical periodicals, associations

## 20 Training