

12th International
Metallurgical Trade Fair
with Congresses

Düsseldorf
21/06 – 25/06/27

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 equipment (iron making)
- 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 (steel making)
- 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 (non-ferrous metal production)

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

- 5.1 Ingot casting
- 5.2 Continuous casting (casting and pouring of molten steel)
- 5.3 Near-net-shape-casting
- 5.4 Special processes (casting and pouring of molten steel)
- 5.5 Components, ancillary equipment (casting and pouring of molten steel)

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

- 6.1 Ingot casting
- 6.2 Continuous casting (casting and pouring of non-ferrous metals)

6.3

Strip casting

6.4

Special processes

(casting and pouring of non-ferrous metals)

6.5

Components, ancillary equipment

(casting and pouring of non-ferrous metals)

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 (shaping of steel)

7.13

Tube / pipe production lines

7.14

Finishing lines (shaping of steel)

7.15

Forging, extrusion and drawing machines (shaping of steel)

7.16

Powder metallurgy

7.17

Reheating and heat treating furnaces (shaping of steel)

7.18

Hydroforming

7.19

Rolls for hot rolling mills

7.20

Rolls for cold rolling mills

7.21

Components, ancillary equipment (shaping of steel)

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 (shaping of non-ferrous metals)

8.6

Dressing and finishing lines (shaping of non-ferrous metals)

8.7

Forging, extrusion and drawing machines (shaping of non-ferrous metals)

8.8

Reheating and heat treating furnaces (shaping of non-ferrous metals)

8.9

Components, ancillary equipment (shaping of non-ferrous metals)

9**Plant and systems for environmental protection and disposal, gas purification****9.1**

Dust extraction and gas purification

9.2

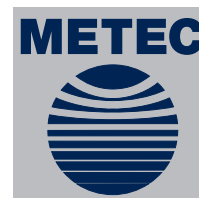
Recycling and disposal

9.2.1

Machines, systems and components for processing and sorting scrap metal

9.2.2

Machines, systems and components for determining the quality of scrap metal



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9.2.3	Machines, systems and components for hydrometallurgical recycling
9.2.4	Machines, systems and components for pyrometallurgical recycling
9.3	Regeneration plants
9.4	Noise-protecting installation
9.5	Ancillary equipment
10	Control, regulation and automation
10.1	Electrical equipment (control, regulation and automation)
10.2	Engineering and technical consulting
10.3	Process control technology (control, regulation and automation)
10.4	Automation
10.5	Process control equipment
10.6	Process simulation and software
10.7	Process optimization
10.8	Maintenance and diagnosis systems
10.9	Other control equipment
11	Electrical engineering and process control technology
11.1	Electrical equipment (electrical engineering and process control technology)
11.2	Process control technology and automation (electrical engineering and process control technology)
11.3	Data processing and software
11.4	Engineering and technical support
12	Measurement, security and test technology
12.1	Measurement of physical properties and quantities
12.2	Quality control
12.3	Material testing
12.4	Analysis and laboratory equipment
12.5	Security technology
13	Data processing and digitalization of production processes
13.1	Data processing, hard- and software, product development and optimisation software CAD / CAE
13.2	Artificial intelligence, machine learning and data science solutions
13.3	Computation and simulation software
13.4	E-business, e-commerce and IT-solutions
13.5	Quality assurance software
13.6	Engineering services

14 Miscellaneous equipment for metallurgical plants and rolling mills

14.1	Iron and steelwork vehicles
14.2	Lifting and conveying systems
14.2.1	Power transmission engineering, including fluid technology
14.2.2	Transport and storage techniques
14.2.3	Maintenances and repair equipment
14.2.4	Thermal insulation and refractory materials
14.2.5	Operating and ancillary materials

15 Safety and security

15.1	Personal protective equipment
15.2	First aid, rescue
15.3	Workstation architecture, ergonomics
15.4	Security at work
15.5	Services, consulting

16 Steel mills

17 Steel products

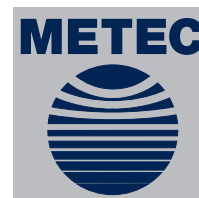
17.1	Rolled parts
17.2	Forgings
17.2.1	Precision forged parts
17.2.2	Drop forgings
17.2.3	Precision forged parts
17.2.4	Other forgings (steel products)
17.3	Structural steel section
17.4	Construction steel
17.5	Steel strapping products
17.6	Steel trading

18 Non-ferrous metal works

18.1	Non-ferrous producers
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19 Semi-finished products

19.1	Semi-finished goods, semi-finished materials
19.2	Rolled products
19.3	Composite semi-finished products
19.4	Cut sections (semi-finished products)
19.5	Round blanks
19.6	Screws
19.7	Extruded products
19.8	Bars with thick and thin cross-sections
19.9	Rods
19.10	Ingots



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19.11	Plates
19.12	Rolled products, blank
19.13	Rolled products, surface-treated
19.14	Composite semi-finished products (sheets and strips)
19.15	Profiles made from strips
19.16	Blanks
19.17	Extruded products, bright
19.18	Extruded products, surface-treated
19.19	Semi-finished products, other

20 Non-ferrous products

20.1	Aluminium forgings
20.2	Copper forgings
20.3	Other forgings (non-ferrous products)
20.4	Extruded products
20.5	Trading with non ferrous products

21 Raw materials in the steel industry

21.1	Providers of iron ore
21.2	Providers of fire proof materials
21.3	Providers of coke and coal
21.4	Providers of pig iron
21.5	Providers of scraps
21.6	Providers of aggregates

22 Consulting, design, service and engineering

23 Technical publications, technical periodicals, associations

24 Training, further education