



# The 19<sup>th</sup> INTERNATIONAL EXHIBITION OF IRAN **METAFO**



**STEELEXPO**  
**NOFEREXPO**  
**THERMEXPO**  
**MINEXPO**

Organized by:



نمانگر  
NAMA NEGAR



Tehran  
International  
Permanent  
Fairground  
**5 \* 1**  
EXHIBITION

**30 Nov - 3 Dec, 2022**

YOU WILL FIND THE MOST FAMOUS AND WELL-KNOWN BRANDS WITH PARTICIPATING IN THE 19<sup>th</sup> IRAN METAFO EXHIBITION



# Iran Metafo Exhibition

## Executive Report of Previous IRAN METAFO Exhibitions

Total Exhibitors	No. of Participant Countries	Total Space (m <sup>2</sup> ) net	year
310	10	15592.5	2021



## Supported by:



## Media sponsor:



## Casting

- Metal foundry
  - Melting
  - Concentrate melting
  - Melt and refining slag
  - Ingoting
  - Ingot casting
  - Billet casting and slab casting
  - Scraps
  - Returns
  - Found
  - Parts casting
  - Heavy parts casting
  - Fittings and pipe casting
  - Mitis casting (gray cast iron and ductile iron)
  - Addition agents and additive casting
  - Ferro alloy
  - Carbonization material, mould paints, cleaning materials
- Non ferrous casting
  - (Aluminum, copper, brass, nickel, chrome, lead, zamak, zinc, bronze, tin, magnesium)
  - Low pressure casting
  - In vacuo casting
  - Centrifugal casting
  - Squeeze casting
  - Permanent mould casting
  - Shell casting
  - Sand casting
  - Expandable pattern casting
  - Plaster mould casting
  - Die casting
  - Wax pattern casting
- **Casting equipment**
  - Equipment of metal casting
  - Type of dandy, pouring and holding
  - Moulding equipment, slinger and mixers



Stoppers and special tips  
Coating component for ladle

Kettles

Convertors

Manganese steel Outgassing  
and homogenization

Stopper ladle

Type of silicones and melt duff

All kind of chemistry, mechanical  
and metallography laboratory's equipment

Simulation and designing software

Special coating for Arc furnace  
and induction furnace

Weld brazing

Weld brazing equipment

Soldering with flux grain

- Equipment and mineral material  
for non-ferrous casting

Graphite crucible and silicon carbide

Automatic outgassing machine

Equipment for melt Quality control

Immersion thermocouple

Die cast Injection plunger  
and cylinder system

Die cast molds

Holding furnace and dandy

Armature outgassing

Inclusion and outgassing pipes

Tube riser and tube radian

All kind of mold lubricant

Magnetic separator

Recycling the sand's casting

Bonkers and hoppers (machines)

- Casting equipment  
Mold and core adhesive

Nucleation

Mold dryer

Filter for liquid metal

Cooling sands

Solid Concrete sands

Prefabricated sands

Cooling belt

Equipment for cast inspection

Parts and material test

Simulation and modeling process control

Control equipment and automation

Ventilation and purging technology

- Storage and transportation  
Industrial robots  
Industrial truck  
Crane and tackle and trucks and conveyer  
Transportation and pallets and shelves
- Forging (cold forge and hot forge)  
Closed die forging  
Designing forging mold  
Weld and cut
- Weld and cut equipment  
CNC cutters  
Argon cutter and oxygen  
Cutoff die, all kind of fractions  
Cutting and welding
- Hobbing  
Die-casting mold, forge mold  
and exstrogen mold  
Bulging die, blow mold, chill mold,  
core mold  
Plastic mold, bacalit molds  
and rolling mold  
Deigning and fixing the defects  
of permanent molds  
Bending and pressing  
Vacuum and material injection exhausters  
Turning and jig boring

- Machining  
Modeling and optimization of  
machining milling, wire cut, chipping  
Drilling and machining



- **Plating**  
Plating and polishing and anodizing  
Metal plating (Nicol, chrome, copper, zinc, cadmium silver and gold and platinum group)  
Plating of conductors (wood, glass, cloth, plastic material)  
Coating  
Spray coloring system



- **Thermal processing equipment**  
Safety and industrial ergonomic  
Safety cloths  
Body safety  
Warnings  
Safety equipment  
Finishing equipment  
Extraction equipment and systems  
Control and measurement engineering  
Safety engineering

- **Shaped refractories (Bricks and Functional Products)**  
Caolinite, Sylvanite, High Alumina, Silica Refractories, Graphite, Chromite Bricks, Carbon-Silica, Chamottes, Magnesite Refractories, Fire Clay (Acid-Null-Alkali)
- **Unshaped Refractories (Castables, Mixes, Mortars and Mastics, Monolithics, Sprays, Clays, Adhesives, Granulate compounds, Shotcretes, Sylvanite, Refractory Concretes, Fused Cast)**  
Caolinite, High Alumina, Silica, Chromite, Magnesite, Dolomite, Bauxite, Chromite-Magnesite, Carbon-Magnesite, Zirconium, AL<sub>2</sub>O<sub>3</sub>, SiO<sub>2</sub>, etc.

### Raw Materials

Bauxite and Alumina, Powder Calcination, Pigment and Phosphor  
Chromite

Ferro Alloys (Ferro silicon, Ferro Manganese, Ferro Silico-Manganese, Ferro Chromium, Ferro Molybdenum, Ferro Nickel)  
Special Refractory Castables

- **Insulating and Fiber Materials (Bricks and Fibers)**
- **Insulating Refractory Raw Materials:**

Diatomite  
Perlite  
Vermiculite

- **Industrial Ceramics**
- **Refractory Equipment and Components:**

Tundishes, Nozzles  
Filtration Systems  
Gates (Gates of ladles)



Kiln hood and Grate cooler,  
Riser duct and inlet-outlet zones components  
Prefabricated Components





- ▲ **Minerals and mineral industry**  
 (iron ore, metal minerals Coal, foundry coke, ores, ferrous and nonferrous-minerals)
- ▲ **Consulting services**
- ▲ **Geo technic** (Laboratory test specimens, outdoor tests, geology services, designing, improvement and Strengthening of the ground, ventilation designing, drilling designing without trench, Surface drilling design and open trenches, designing subterranean structure, designing instrumentation system Management and project control, safety advice, Environmental Health, electronic engineering and Telecommunications, civil engineering, Earthquake engineering and geophysics services, study strategy and mechanic engineering, topography and GIS)
- ▲ **Exploration** (telemetry, statistics, feasibility study, Reserve evaluation, site study)
- ▲ **Mine planning** (technical services in mines, Operation and processing, purchase Equipment and machines, and mine designing: on the ground and under the ground, Maintenance design)
- ▲ **Economics and Management** (mine economic, mine marketing and business, investment, management and project control)
- ▲ **Equipment and machinery**
- ▲ **Equipment** (Cutters: drills, saws... pumps and Compressor, Material handling equipment, drilling equipment, fans, Mineral Supplies, underground spaces lighting equipment, Industrial safety equipment and hygiene)
- ▲ **Heavy machinery** (Scrappers, Bulldozers, Mechanical excavator, Crushers, Hydraulic hammer, loader, Mining machine and mini loader)
- ▲ **Processing the canes** (mills, Gravity separators, floatation, magnetic separators, stone Crusher, Conveyor)
- ▲ **Contractor services**  
 Tunneling, well digging, Material transportation, Drilling services, technical services (ventilation, lightning, watering) topography services, compressed air services, processing designing and Optimization
- ▲ **Projects and investments** Mining projects (exploration, extraction and exploitation)
 

 Steel industries projects	 Copper industry projects	 Aluminium industry projects	 Lead and zinc industry projects	 Other metal projects	
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- ▲ Electricity and power stations, water, roads projects and investments
- ▲ Complete and development projects



# METALEXPO STEELEXPO

2022



## Steel-Tech

- ▲ Steel Making Technology
- ▲ EPC (Engineering, Procurement, Construction) Steel Showcase
- ▲ Iron and Steel Mills (Long, Flat and Plate, Coil, Sheet, Stainless Steel, Alloy Steel, Special Steel, Wire, Rod, Tube and Pipe, Profile, Iron Constructional Structures, Belts, Bars ,Etc)
- ▲ Big steel companies category
- ▲ Direct Reduced Iron and conglomerate manufacture category
- ▲ Casting and melting category (Steel ingot, Cast iron ingot, alloy steel ingot, commodity ingot, built)
- ▲ Flat section rolling category  
Hot plate, cold plate, Galvanized sheet, Tin-plated, colorful sheet, galvalom sheet, Acid washing, Warm Wide Sheet, Coated sheet
- ▲ Long sections rolling category  
Shaft, steel rod, Types of steel sections, alloy wire, Rebar, skein rebar, skein, cornerstone, spout tube, steel strap, types of cornerstone, all types of useful steel corner stone



## Traders

## Fabex

- ▲ Fabrication Technology (Surface Preparation and Finishing, Surface Corrosion, Grinding, Welding & Cutting, Rolling, Drawing and Extrusion ,Etc)
- ▲ Equipment and Machineries (Furnaces, Crucibles, Ladles, Rollers, Burners, Grinding Balls, Bearings, Instrumentation & Meters, Heating and Hardening Machines and Equipment, Laser Machineries, Material Handling (Conveyors, Cranes, Magnets ,Etc), Lubricants, Refractories, Chemicals, Fluxes, Graphite Products, Abrasives, Polishing Materials, Gases, Seals, Flexible expansions, Robotic Machineries, Rotating and Pneumatic Machineries ,Etc)



## Materials

- ▲ Minerals: Iron Ore, Pellets ,Etc
- ▲ Ferro alloys: Ferro Silicon, Ferro Manganese, Ferro Chromium, Ferro Molybdenum, Ferro Carbon ,Etc
- ▲ Base Materials: Hot Briquetted Iron (HBI) Pig Iron, Shot and Grit,
- ▲ Sponge Iron (DRI) ,Etc
- ▲ Scrap Products





## • Copper

Exploration and Mine  
Melting and Acid  
Copper condensing  
Slag Flotation  
Copper Leaching  
Products: Cathode, Rod, Slab, Acid,  
Molybdenum, Concentrate, Materials of ladle,  
Oxygen, Slag, Billet ,Etc  
Machinery and Equipment  
Information, Trainin

## • Aluminium

Raw Materials, Primary metal products,  
Semi-finished products, Semi-fabricates,  
Aluminium Products for special application, Surface Treatment  
Light-metals trade and Recycling  
Plant, machinery and accessories and equipment for  
aluminium extraction, processing and refining  
Services, consultancy, expert opinions, information  
Information, Trainin



## • Lead and Zinc

Exploration and Mine, Processing, Products  
Machinery and Equipment: Rectifier,  
Filter press, Furnace ,Etc  
Information, Trainin

## • Precious Metals

Gold, Silver, Platinum,  
Titanium, Other precious metals







- Industrial Furnaces
  - Electrical furnaces
  - Gas furnaces
  - Torched furnaces
  - Compartment floor and roller furnaces (depressurization, annealing and normalization operation) of electric, gas and gas oil type
  - High temperature compartment furnaces
  - Compartment-tunnel type furnaces (cyclic annealing, normalization and similar cycles)
  - Ground heating operation furnaces with controlled atmosphere (hardening and tempering)
  - Automatic carburizing furnaces
  - Tunnel type heating operation furnaces
  - Heat operation chamber ovens
  - Special preheating & form-giving furnaces of torched type (hot operation parts)
  - Two-chamber furnaces (Controlled Annealing Cycles)
  - Continuous & chamber tunnel-type glazing and ceramic baking furnaces
  - Medical and laboratorial ovens with enameled or stainless steel body
  - Laboratorial ovens up to servicing temperature degree
  - Induction furnaces for local hardening and pre-heating systems (hot form-giving operation)
  - Power control panels (specific heat cycles)
  - Charging and loading basket, basket and stands for different furnaces
  - Repair of industrial furnaces (elements, torches, fire-proofs, insulators, and mechanical spare parts)
  - Drying oven
  - Set-up of different heat operation lines
  - Hot processes & manufacture of related equipments
  - Heating engineering operation
- Brick and special fireproof materials
- Design of furnace refractory layer
- Insulating and light refractory castable masses
- Cement
  - Measurement systems control cameras of furnace and torch (heat controls)
- Eco metals





Organizer

**Nama Negar consists of several groups and actives in Different categories of exhibitions organizers, events, market research, management consultation, Commercial affairs and marketing, interior design and booth construction and also exhibition services**

#### Specialized departments:

- Organizing exhibition and congress
- Special event organizing (including: seminars, educational workshops, unveiling ceremony of new products, Opening production lines...)
- Management consulting and diagnose
- Planning and implementation of Market Research Campaigns and Marketing
- Media planning
- Designing and implementation and decoration, exhibition and shop interior design
- Commercial Affairs marketing services
- Foreign trade consultancy and services

#### Member of:

- International Association of Exhibitions & Event (IAEE) 
- Iran International Exhibition Organizer Association (IEOA) 
- Iran Marketing Research Association (IMRA) 
- Association of Tehran Stand Builders Management 
- Tehran Chamber of Commerce, Industries, Mines and Agriculture 
- Deutsch-iranische Industrie-und Handelskammer 
- Iran-Italy import and export statistics (CCIM) 

Our mission is to design a networking platform between manufacturers, international suppliers, traders, investors, experts, & end users to provide them with a multiple opportunity for sales and learning.

**Nama Negar** team has been the organizer of numerous exhibitions since 1995 including these ongoing events:

- Iran HVAC&R (Heating, Ventilation, Air Conditioning and Refrigerating)
- Iran Metafo (Steel, Mineral Industries, Casting, Non-Ferrous Metals Industry, Refractories,
- Midex (Modern House, Interior Design, Architecture)

We honor to host you in these events and provide you with a full comprehensive exhibition services such as:

Market research, Survey, Traveling services, Hotel reservation, Booth Construction, Designing, Website design, Advertising and Printing, Holding seminars & trading workshops, Supplying human resource (translator, reception), Photography and Lightning.

## Think globally with Nama Negar

Thinking Consciously  
Targeted Research  
Efficiently Production  
Powerful Attendance



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Organized by:



# Iran

Tehran International Permanent Fairground

30 Nov - 3 Dec, 2022



with full observance of all health protocol  
from corona's headquarters  
Special visit of specialists

Member of :



Halls No. :

**31A 31B 35 38 38A 38B**  
**40-40A 41-41B 44/1 44/2**

The surrounding open area