





YFL Industrial Supply Corp., Ltd. is a leading engineering company supplies complete industrial valves solutions to control the water, oil, gas, steam, slurry and powder in industries of water supply & drainage, hydro & thermal power station, petroleum extraction & refinery, oil & gas long distance pipeline delivery, city gas & district heating pipeline system, petrochemical & coal chemical, paper & pulp, metallurgy and mining etc.

Our metallurgy valves manufacturer has more than 50 years experience of servicing for metallurgical, electrical, chemical and mechanical industries. The manufacturer has transformed itself into world-class metallurgical equipments supplier, metallurgical solutions provider and EPC contractor for the iron & steel mills from china and abroad.

Base on top class quality and excellent technical service, the manufacturer's product not only win high market share in china but also are exported to all over the world, including Asia (POSCO, NIPPON Steel & Sumitomo Metal, TATA, JSW etc), Europe (ARCELORMITTAL, SVAL etc) and America (USS, ARCELORMITTAL) etc.

Relying on state-of-art technology and strong fabrication capability and consolidated global resource and information, the manufacturer has taken many EPC projects from overseas, like 2×450 m<sup>3</sup>blast furnace project, chilled water project, TRT project for 1650m<sup>3</sup>BF and 2×100 t/h boiler project in Turkey and Hoa Phat 0.5 MTPA steel complex project, including 1×450 m<sup>3</sup>BF & 1×90 m<sup>2</sup> sinter plant in Vietnam and EPC project of Hot Metal Handling System for Bhilai Steel Plant, India.



## Metallurgy Valve Integration Workshop

The metallurgy valve integration workshop covers an area of 28,000m<sup>2</sup> with annual capacity of 20,000t output, which is mainly used for material preparing, riveting & welding, shell strength testing, airtight testing, refractory lining and assembly for all kinds of metallurgy valves.

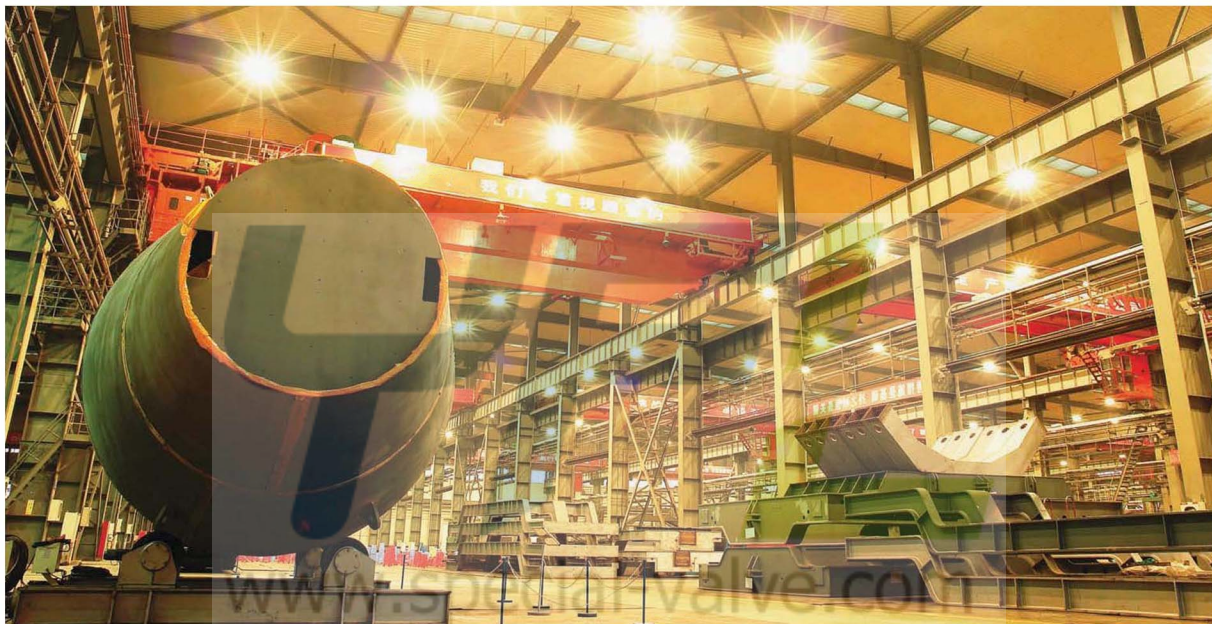


Equipped with advanced chemical & physical lab, special material lab, electric lab and finish product testing foundation and with a complete set of test and inspection equipments like metallographic microscope, universal material testing machine, X-ray defect detection device, UT, spectrum analyzer, intelligent carbon & sulfur analyzer, spectrophotometer, and equipment for water pressure, air pressure and lifting testing, the manufacturer has the capability of undertaking the evaluation, inspection and testing for metallic materials, refractory castable, electrical facilities and finish products.



## Metallurgy Equipment Integration Workshop

The metallurgy equipment integration workshop covers an area of 32,000 m<sup>2</sup> with annual capacity of 28,000t, which is mainly used for blanking, riveting & welding, assembly and testing for ladle and vehicle products.



In this workshop, there are more than 150 sets of equipments, including CNC control cutting machine, automatic arc-submerging welding machine, silicon rectifier welding machine, 60mm bending machine, 1000t hydraulic presser, wheelsets assembling presser and vehicle operation testing equipments etc.





## Machining Workshop

With an area of 18,000m<sup>2</sup>, the machining workshop can produce 50,000t process annually, which is mainly used for standard products and nonstandard products in electrical, petrochemical and metallurgic industries, including valve body, valve bonnet, valve disc, valve stem, car frame, bolster, bearing box etc.



In this workshop, there are more than 400 sets of facilities, including  $\phi 8000$ ,  $\phi 6300$ ,  $\phi 5000$ ,  $\phi 3500$ ,  $\phi 2500$  vertical lathe,  $\phi 200$ ,  $\phi 16$  boring machine, 1000×3000 side surface milling machine,  $\phi 100$  radial drilling machine, 1600×6000 closed planer, 1000×3000 closed planer and  $\phi 1000 \times 3000$  horizontal lathe etc.





## Metallurgy Valves

### Hot Blast Stove System:

Hot blast valve, back draught valve, air mixing valve, gas shut off valve, air shut off valve, gas combustion valve, chimney valve, cold blast valve, pressurizing valve, snort valve, butterfly control valve and blower transfer valve etc.

### Furnace Top System:

Gas bleeder valve, equalizing & relief valve etc.

### Waste Heat Recovery System:

Air shut off valve, gas shut off valve and waste gas shut off valve etc.

### Gas Dust Collecting System:

Shut off valve, Deduster bleeder valve, dust discharge valve, pressure control valve group, goggle valve and sector blind plate valve etc.

### TRT System:

Gas shut off valve, pressure equalizing valve, goggle valve, emergency shut offer valve and fast opening valve etc.



Shougang Jingtang Steel BF5500m³ DN1900 Hot Blast Valve



## Features of valves for BF System

- ★ Complete types and specifications with high cost performance and applied system including hot blast stove, furnace top, waste heat recovery, gas de-dusting;
- ★ Meet the process requirements of the BF with high blast temperature of 1450°C , blast pressure of 0.6Mpa and productivity of 3-4 ton/day/m<sup>3</sup>;
- ★ The metallurgy valves with 26 independent intellectual property rights have accurate on/off control, good airtight and longer service life;
- ★ Adopting more than 15 new technology of design, the hot blast valve can resist high temperature and has a good airtight, smooth operation, long service life, energy saving and water saving;
- ★ Utilization of complete set can guarantee the reliability and low downtime rate of the system, which has greatly reduced the cost of equipment maintenance.



Shagang Steel 5800m<sup>3</sup> BF Lever Valve





Large Size Lever Valve



Hyundai Steel DN3400 Enclosed Type Goggle Valve



BF Top DN500 De-pressurizing & Relief Valve



DN650 Bleeder Valve



Fuel Gas Butterfly Valve



DN2000 Snort Valve



## Scope of Metallurgy Equipments:

BCQS BF Top Charging Equipment  
Torpedo Ladle Car  
Metallurgy Ladle & Transfer Car  
Coking Equipment  
Steel & Iron Casting

## SCOPE of SUPPLY-EPC PROJECT & SERVICE

SINTER & PELLET PROJECT

COKE OVEN & COKE DRY QUENCHING (CDQ) PROJECT

BF PROJECT

STEEL MAKING & CONTINUOUS CASTING PROJECT

BF TOP GAS RECOVERY TURBINE

WASTE HEAT RECOVERY TURBINE

GAS FIRED BOILER POWER GENERATION SYSTEM

PROJECT MANAGEMENT & PRODUCTION IMPROVEMENT SERVICE

AUTOMATION PROJECT & FURNACE BAKING SERVICE

SPARE SUPPLY





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