Steel Casting & Wear Resistant Material

INTERSCAN
One Stop Industrial Solutions!
About Interscan

INTERSCAN was established by Mr. Tauqeer Ahmed in 1993, the company was committed to deliver clients the optimum level of satisfaction in term of Industrial machines, parts, and services. INTERSCAN’S main business is Trading, Imports, and Indenting with it’s head office at Karachi and branch office at Lahore.

Today INTERSCAN is doing business globally, and have international business partners around the world. INTERSCAN’S mission is to become a leading indenting house of Pakistan. INTERSCAN providing products / services to private and government sector, keeping clear and transparent relationship between principles and customers.

Casting Products

Interscan is one of professionally and dedicated supplier of various steel castings and wear resistant products. We adopt the method of soluble glass, complex shell, silicasol to supply precision casting parts. And for sand casting, we adopt resin sand process to supply grey iron and ductile castings. As for die casting, mostly we make the aluminum or alloy aluminum casting parts. To supply qualified castings with reasonable price is our permanent principle; we sincerely wish we will be your reliable casting supplier at the base of mutual benefit.

We can supply castings with kinds of material, such as carbon steel and alloy steel, stainless steel, grey iron, ductile iron, aluminum, brass as well as bronze. Besides, it is also available for us to supply a series of finish steps for the rough casting and metal parts, such as finish machining, welding, heat treating, caseharden, plating, anodizing, painting etc. Moreover, thanks to our many qualified manufacturers for the rubber, plastic injection molding, spring, punching, stamping products, that enable us to provide our customers the complete set projects while assemling the correlative products if customers request.

Cement Sector

• Tables and rollers for vertical mills in Ni-Hard4 and high chromium cast iron.

• Head liners, shell liners, backside plates and slotted plates for ball mills in high chromium cast iron and steel.

• Different types of hammers for lime stone and clinker crushers in manganese steel.

• Grate bars for hammer crushers in manganese steel.

• Blow bars for impact crushers in high chromium cast iron

• Grate cooler plates and other heat resistant parts for furnaces.
Mining Sector

- Autogenous (A.G) and semi autogenous (S.A.G) mills' liners in low alloy steel
- Jaw plates in standard and high manganese steel
- Bowl liners and mantels for cone crushers in standard and high manganese steel
- Bowl segments and mantels for gyratory crushers
- Hammers and blow bars for impact crushers in manganese steel and high chromium cast iron
- Various type of crushers' wear parts
- Teeth, track shoes and tumbler wheels for excavators and shovels in special manganese and alloyed steels
- Slurry pumps in high chromium cast iron
- Heat resistant parts for the copper mine converters

Products Range of Steel Casting

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<td>Air grate plate</td>
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Material

Carbon & Low Alloy Steel

Carbon steels are those with no deliberate alloy additions. They are mainly used in general engineering, constructional and pressure applications.

Low alloy steels have superior mechanical properties in comparison to plain carbon steels due to their additional alloying elements such as chromium, molybdenum and nickel. Furthermore, suitable alloy content will provide improved wear and corrosion resistance.

Manganese Steels

Standard manganese steel is suitable for applications where gouging abrasion is predominant. Furthermore, it is recommended for environments where gouging and grinding abrasions occur together. Manganese steel is characterized by high strength, toughness and excellent work harden ability by impact and gouging. Manganese steel also has excellent resistance in metal to metal wear.

High manganese steel can provide a higher life time in special environments and reduce overhaul periods.
Heat Resistant Steels and Alloys

Heat resistant steel castings are widely used for applications involving service temperatures exceeding 650°C. Mechanical strength at the elevated temperatures and type of aggressive environment are the main criteria by which these materials are selected.

Heat resistant steels maintain their mechanical strength and exhibit a suitable corrosion resistance over long periods of time. Iron-chromium-nickel heat resistant alloys have an austenitic matrix.

These alloys show superb strength and ductility at elevated temperatures. In addition, nickel-chromium-niobium (THR50/50) alloy will give improved resistance to attack by ash products of low grade fuel oils.

Moreover, it has superior creep rupture behavior in comparison to other heat resistant steels.

High Chromium Cast Steels and Cast Irons

Due to their relatively suitable wear resistance and toughness, high chromium cast steels are used widely in grinding processes. Considering the application, this group of martensitic steels has filled the gap between manganese steels and high chromium cast irons with its suitable impact and high abrasion resistance.

Alternatively, high chromium cast irons are universally applicable to conditions where excessive wear and moderate impact are present.

This group of white cast irons will provide superior wear resistance because of their martensitic matrix, which is enriched with carbides. For conditions that marginal impact and superb abrasion resistance is essential, nickel chromium (Nihar4) white cast iron will be appropriate.

Grinding Media

INTERSCAN has more than 18 years of experience, specializes in the supplying of grinding media and wear-resistant materials. Our products include various grinding balls, grinding units, wear and heat-resistant and auxiliary abrasives for use in the cement and mining industries. INTERSCAN brand wear-resistant materials are widely used for powder preparation and extra fine deep processing in sectors such as cement building materials, metal mining, coal paste thermal power plants, chemical engineering, ceramic coating, light industrial paper making, magnetic materials etc. Its products cover more than 100 varieties and specifications in 7 major categories.

- Casting Grinding Balls
- Alloyed Casting Steel
- Roller, Table Liner
- Alloyed Casting Bars
- Alloy Capsule Balls
- Forge Balls
Products Range of Grinding Media

Casting Grinding Balls
Casting balls are extensive used in cement build materials, metal mine, coal slurry, thermal power plant, chemical engineering, ceramic industry, dope industry, light industry some as papermaking etc.

Alloyed Casting Steel
The liner that our factory produced can be divided into the manganese steel liner and middle carbon chromium alloy steel liner, high-alloy steel liner, middle carbon low-alloy steel liner, high chromium.

Roller, Table Liner
Our Project of Self-made Rollers and Table Liners for Roller Mills in Large Cement Plant is listed in China National Projects of Key Technical Equipments Innovation and Development Year 2002 by Anhui.

Alloyed Casting Bars
Casting balls are extensive used in cement build materials, metal mine, coal slurry, thermal power plant, chemical engineering, ceramic industry, dope industry, light industry some as papermaking etc.

Alloy Capsule Balls
Arroyed Capsule balls are extensive used in cement build materials, metal mine, coal slurry, thermal power plant, chemical engineering, ceramic industry, dope industry, light industry some as papermaking.