



JINDAL STAINLESS
PASSIONATELY
REDEFINING
POSSIBILITIES

Various Applications of Stainless Steel

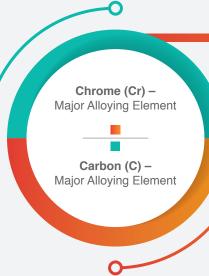
We supply Stainless Steel to over 32 industries in the country



Steel Types

Stainless Steel (SS)

Stainless Steel is an alloy of iron that provides extraordinary resistance to corrosion.



Carbon Steel (CS)

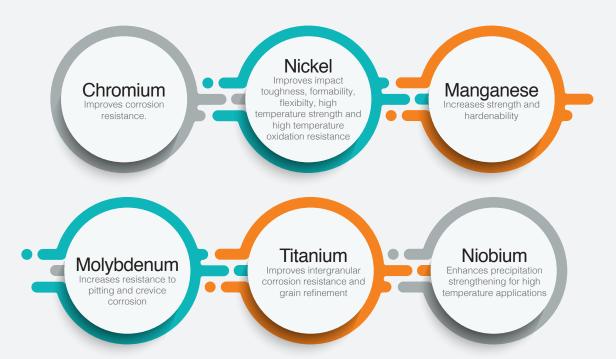
Carbon Steel is a less flexible alloy of steel. It is less flexible, less weldable and more brittle.

Stainless Steel offers a great combination of strength and long life



Stainless Steel has a distinct edge over Carbon Steel and thus is preferred by the end users.

Stainless Steel also includes many elements in different proportions which provide their own unique characteristics to the alloy, making it an obvious choice. The various elements present in Stainless Steel are:



Due to the addition of a variety of alloying elements in it, Stainless Steel has diverse properties, apart from corrosion resistance. This allows the metal to lend itself for a variety of applications, making it a preferred choice across industries, and a clear winner over other alternatives.



Unlock the potential of your idea with Stainless Steel



Stainless Steel is one of the fastest growing value-added materials in the country.

It is the most affordable material option when total life cycle costs are considered.

It provides a modern and aesthetically appealing look.

According to the Indian Stainless Steel Development Association (ISSDA), coaches made of Stainless Steel are stronger and can absorb more energy during collision. This ability to withstand impact reduces the chance of casualties during an accident. It's for this reason that Indian Railways is targeting to replace its carbon steel coaches with those of Stainless Steel.

Stainless Steel contains at least 10.5% of chromium by mass and is generally produced in an electric arc furnace with other alloying elements such as nickel and molybdenum. These are added to achieve desirable properties of hardness, corrosion resistance, strength, machinability etc.

Rest assured Jindal Stainless Steel never fails to fetch higher scrap value.

An 'inside look' at the composition of Stainless Steel



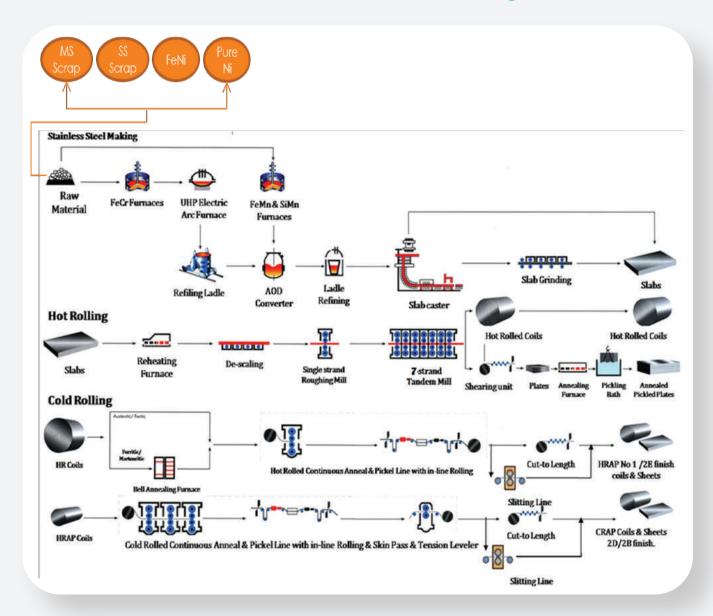
*Added to enhance the structure and achieve desirable properties of corrosion resistance, hardness, strength, machinability, etc.

Note: These are the broad and general composition, for certain grades the composition may vary.

Due to its superior properties, Stainless Steel is also the chosen material for high-end applications such as seamless tubes in process industries, thermal power plant (in boiler tubes etc.), nuclear reactors, automobiles, building & construction, and railways.

Source: Industry

Our Stainless Steel Manufacturing Process



The Stainless Steel business process is highly specialized, right from sourcing raw material till sales and distribution.



Sourcing: Multiple raw materials are brought in from various sources to generate the best value.



Manufacturing:

Stainless Steel manufacturing process requires R&D expertise. Every grade of Stainless Steel is custom made using R&D expertise to cater to its usage in different fields.



Sales and Distribution:

An extensive distribution network spread across the globe meets just-in-time deliveries for customers. Our salesmen also educate the buyers about the multiple benefits of using Stainless Steel.

Take a look at the multiple applications of this wonder metal!

Applications	Series 200	Series 300	Series 400
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Utensils, Household goods and Kitchen Applications	~	~	~
Tubes & Pipes	/	~	
Architecture/Decorative	~	~	~
Automobiles/Railways/Transportation			~
Oil & Gas Sector	_	~	~
Nuclear Applications			
Pharmaceuticals	_	~	_
Dairy			
Power Plants	_	~	_
Consumer Durables		_	~
Blades	_	_	~

Note: These are the broad and general composition, for certain grades the composition may vary.

Every day, we work tirelessly to bring our vision of a world of stainless to life. We are keen to partner you in your vision, combine your passion with ours to create new and wondrous possibilities from Stainless Steel. Call us and be inspired today!



Source: Industry



