

Jindal Blade Steel





JINDAL STAINLESS

A part of the O.P. Jindal group, Jindal Stainless is India's largest fully integrated stainless steel manufacturer. Jindal Stainless is versatile in its thought process, strong and unrelenting in its operations, environment friendly in its manufacturing process, bright, shining and beautiful in its community support activities. The list of the properties of stainless steel is endless, just as our values are all encompassing.

Jindal Stainless, an ISO 9001:2008, PED 97/23/EC, AD W0, ISO 14001:2004 and BS OHSAS 18001:2007 company, is the leading producer of Stainless Steel flat products in Austenitic, Ferritic, Martensitic and Duplex grades and global leader in Chrome Manganese (Cr-Mn) 200 Series Stainless Steel grades. The company has strong export market and has presence in over 50 countries including US, Europe, China, Middle-East and South Asian countries.

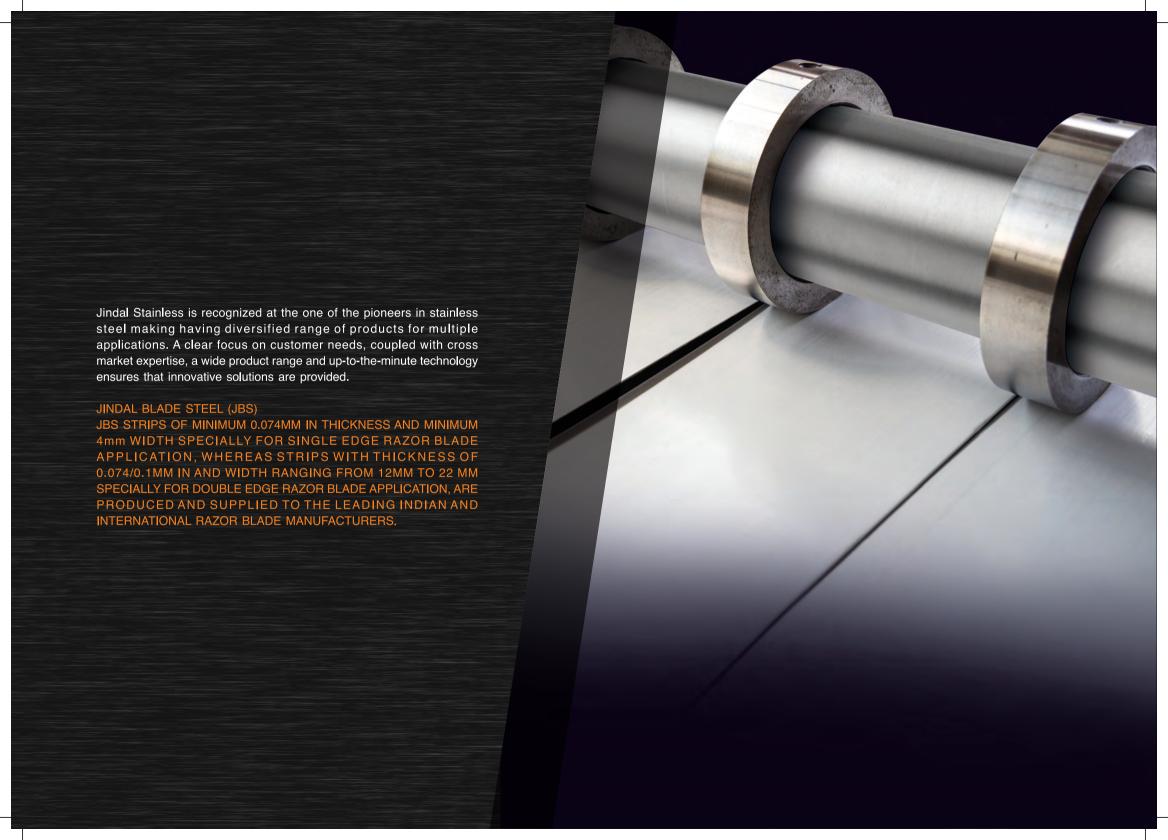
Jindal Stainless, while leading the Indian Stainless steel industry is also among the top 10 Stainless Steel producers worldwide and has always been committed to innovation and progression, research and development. Our innovations are admired beyond the geographical boundaries of our country. No wonder we are the strategic partners of global leaders by choice. Our achievements narrate a story of our determination to succeed and our passion to win. We will continue to leverage our opportunities in creating excellence.













JINDAL BLADE STEEL SPECIFICATIONS

This Cold Rolled martenstic stainless steel strip is specially manufactured to meet the requirement for the manufacturing of Single Edge and Double Edge Blades

CHEMICAL COMPOSITION, TYPICAL (in weight %)						
GRADE	С	Mn	P(max)	s(max)	Cr	Si
JBS	0.67	0.65	0.025	0.020	13.0	0.40

MICRO STRUCTURE : Cold rolled stainless stool with evenly distributed fine spheroidized chromium carbide in the ferrite matrix.

PRIMARY CARBIDES : No detrimental primary carbide shall be present in

micro structure,

SECONDARY CARBIDES : Min 50 per 100 sq at 1000 x magnification

NON-METALLIC INCLUSIONS : Steel shall be free from any harmful non metallic inclusions,

MATERIAL SPECIFICATIONS

MECHANICAL PROPERTIES

- Ultimate tensile strength 1080 +/- 100 N/mm2.
- Hardness: 280-350

STRIP DIMENSIONS:

	Thickness Range	Width range (mm)
Double Edge	0.076 to 0.100 mm	12 to 22 mm
Single Edge	0.074 to 0.076 mm	4 to 8 mm

- Maximum transverse variation of thickness: 0.005 mm.
- Width. Between 5 mm to 24 mm, as per customers specific requirement with tolerance ±0.025 mm.

SURFACE

Surface finish: Semi Matt Finish with max Ra-0.125 pm.

SLIT EDGE

Ripple free slit edge with maximum Burr height of 0.005 mm.

*Can be customized to individual requirements.

STRAIGHTNESS

Strip width (mm)	Maximum allowed deviation in straightness (mm)				
Outp watt (min)	In 1.2 meter length	In 2.5 meter length			
0.74 to < 8 mm	5.0	12.0			
8 to < 20 mm	4.0	9.0			
20 to 22.40 mm	3.0	6.0			

DELIVERY CONDITIONS:

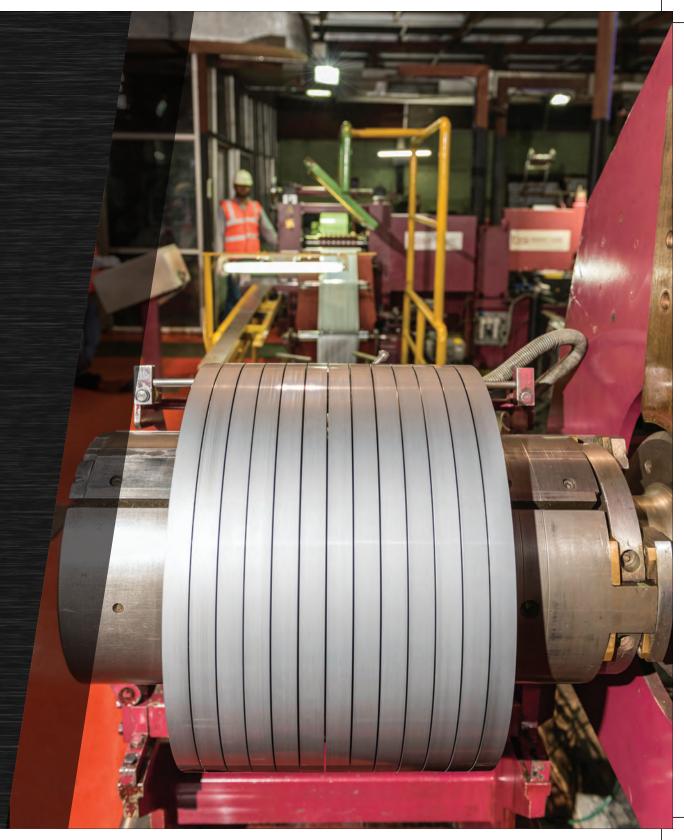
- ► Razor blade strip is wound into a pancake.
- ► Coils, on plastic cores, with an inner diameter of 280 ± 2 mm.
- Max Coil Outer Diameter can be 850mm.
- Two or Three Equidistant PVC strapping is done through the eye of the coil, to ease handling.

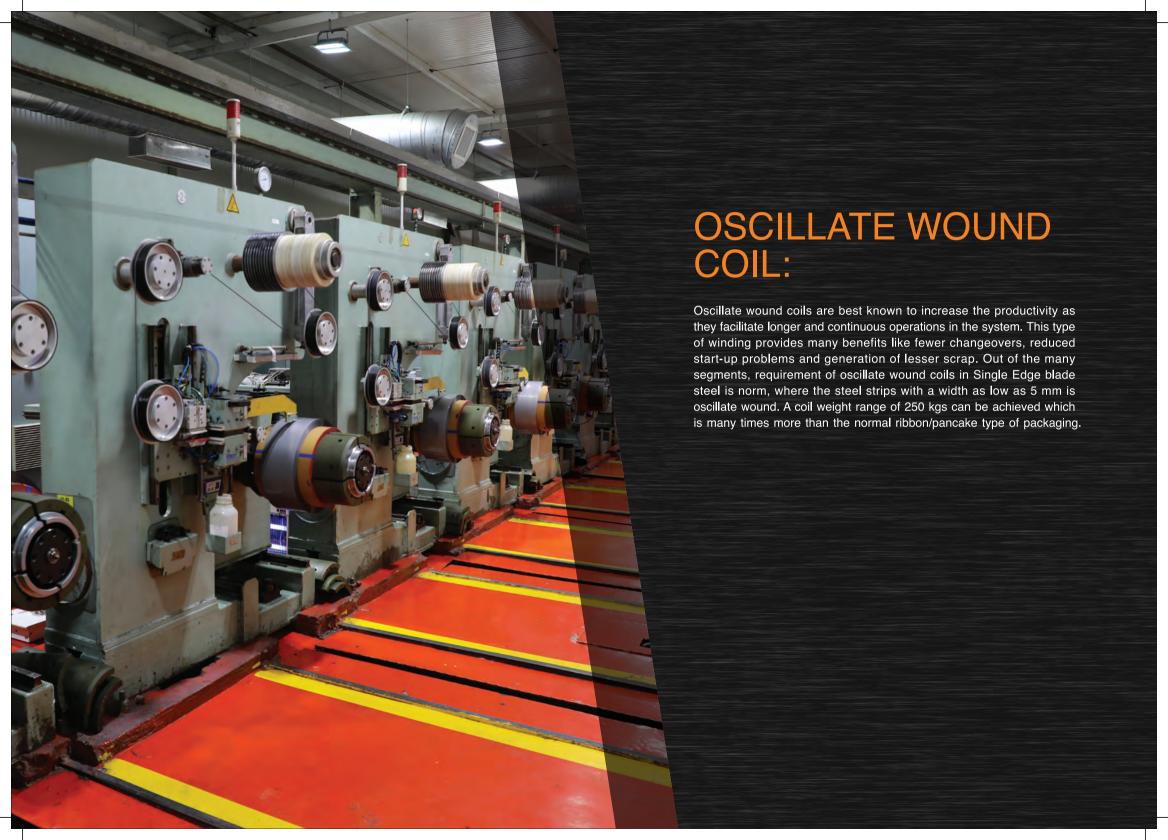
RUST PROTECTION:

A thin layer of anti-corrosion oil is applied,

TEST CERTIFICATE:

► Test certificates are issued giving the details of coil no., heat no., composition, size and mechanical properties along with a packing list.





PACKAGING

Jindal Stainless have adopted a packaging standard that ensures a 'safe & sound' arrival of the products at customer's workplace. JSL's packaging standard has won approvals from many of our customers. Yet flexible packaging process allows incorporation of customers' new and specific requirement, if any.

MARKING

Labels on each coils show information about the material like grade, coil no, slit no. and heat no, size and net weight.

MASTER SAMPLE

Master samples are packed in separate boxes and marked "MS" (if required).

A STATE OF THE ART ROBOTIC PACKAGING FACILITY HELPS IN DELIVERING A CONSISTENT DAMAGE FREE QUALITY PRODUCT OVER AND OVER AGAIN.

Jindal Stainless have fully automatic robotic packaging facility to pack slits of coil weights ranging from 204<gs to 100Kgs, with capacity to pack 1200 slits/day. Both, Bare and VCI wrap type of packaging (as per individual customer's requirement) is possible through this machine. it can pack slits with width ranging from 5mm to 30rrim,

The coils are wound on plastic sleeves, and properly packed in steel/wooden boxes with a centre support core and silica gel desiccant.

Packaging features

- · Coils stacked with eyes vertical on wooden pallet.
- · Use of VCI coated board spacers to prevent coil edge from damage.
- · Cardboard core in the inside diameter.
- Cover with VCI polythene bag for protection from moisture.



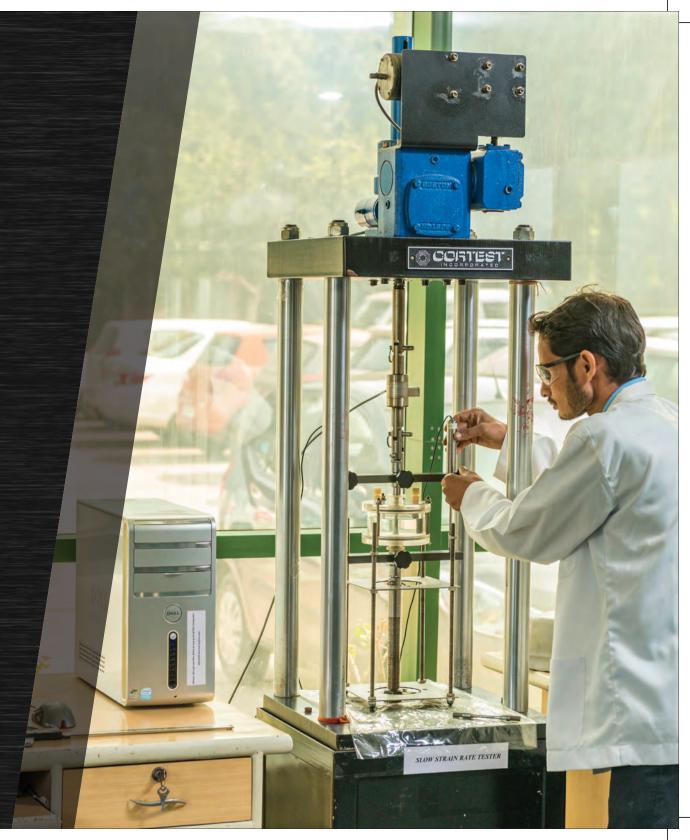


RESEARCH AND DEVELOPMENT

CONTINUOUS UP-GRADATION OF QUALITY, PROCESSES, AND SERVICES THROUGH PRODUCT INNOVATION TO DEVELOP NEW PRODUCTS AT COMPETITIVE COSTS HAS BEEN A CORNERSTONE OF OUR PHILOSOPHY.

The R&D division plays a pivotal role in retaining and consolidating company's leadership position in the Stainless Steel industry. This is achieved through Cross-fertilisation of knowledge between production, quality control and commercial units in order to maintain global standards has been the guiding principle of the R&D function.

The R & D center at Hisar is focusing on development and enhancement of new and existing products of the company. Modified 200 series grades have been evolved to meet low cost alternates of 304 (austenitic stainless steel). Continuous efforts are made by R & D team to reduce the cost of production and improve on the existing grades.



CERTIFICATIONS

ISO 9001:2008 certification of JINDAL STAINLESS is a testimony to our commitment to consistent quality. In addition, Hisar operations are also certified for AD 2000-Merkblatt WO and RED 97/23/EC to enable us becoming a preferred and certified supplier of Stainless Steel Flat I-1R & CR products for Pressure Vessel, Processing & Allied Industries. ISO 14001:2004 and BS OHSAS 18001:2007 Systems Certification of the plant assure our commitment towards the environment and for providing a safe workplace for our employees. For ensuring quality at every step, the production processes are constantly monitored and controlled ensuring that the finished products are as per customer's requirements.

TESTING FACILITIES

In order to deliver assured quality, all input material including raw material is inspected and tested before use. The Quality Control Laboratories are well equipped with modern equipment such as Scanning Electron Microscope, Optical Emission Spectrometers, X-Ray Fluorescence Analyzer, Ledo-Analyzers, Corrosion Testing facilities, UT testing facility, image Analyzer, Surface energy measurement device and many more like hardness testers and Tensile testing machines.

The R&D division plays a pivotal role in retaining and consolidating Jindal's leadership position in the stainless steel.

In addition to the above, the R&D division closely interacts with reputed national and international laboratories / scientific institutions / Universities to avail expert services and knowledge for critical investigations.



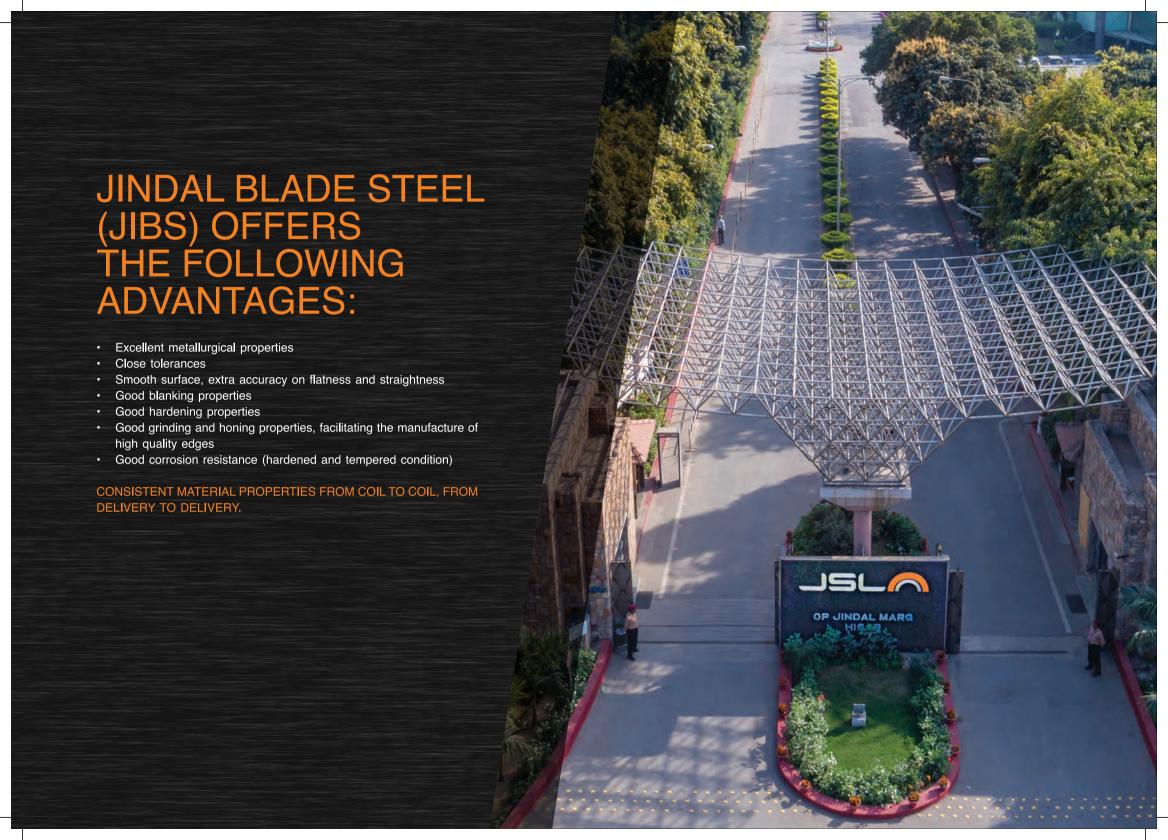








An ISO 9001:2008, PED 97/23/EC, AD WO, ISO 14001:2004 and BS OHSAS 18001:2007.









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Please consult with our representative for any queries









