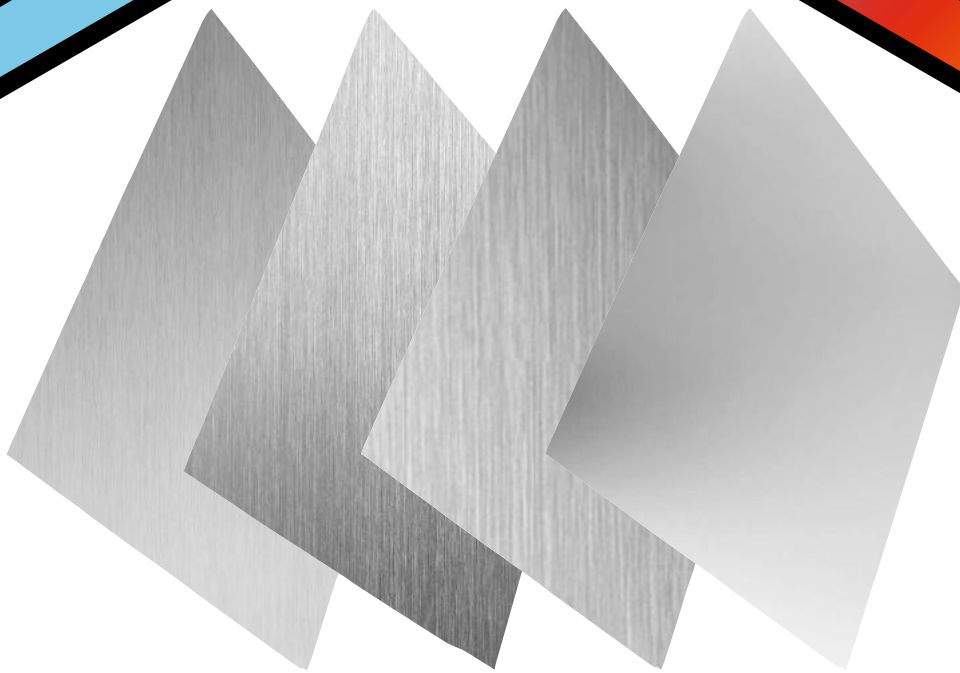




RATNAVEER

Stainless Products Pvt. Ltd.



Stainless Steel
Finished Sheet

Building Trust Through Precision



We are distinguished manufacturers of innovative Stainless Steel finished sheet, providing high end value added professional service to diverse industries since last 10 years.

We have state-of-the-art infrastructure having 2,00,000 sq. ft. area for manufacturing operations. Our current manufacturing capacity is 3600 MT, in finishing line & 4000 MT in Stainless Steel washers and sheet metal products; we are in state of lateral expansion to provide unique solutions to several vertical industrial segments. Our plant is located at the Industrial area of Savli, in district Vadodara in the state of Gujarat, India.

By the infusion of technological skills, process focus and a commitment to long-term client relationships we successfully entered in the domestic market under brand name of Ratnaveer. The Solutions include a comprehensive and diverse basket of precuts aimed at the architecture, building and construction segments encompassing manufacturing, fabrication and execution.

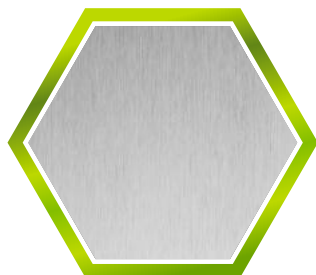
Ratnaveer has prestigious and diverse clients from all over the India. And it's widely used for aesthetical and decorative engineering in Malls, airports, hospitals, elevators, doors, kitchen ware etc.

We constantly innovate and strive towards impeccability in quality, product, workmanship, by utilizing the latest technology and industry savvy professionals to provide outstanding aesthetics with due customer care and satisfaction.

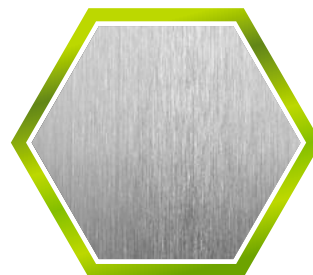
Product Range of Stainless Steel Finished Sheets

Ratnaveer sources base material from national and international manufacturers of repute then polishes it with superior machine and abrasives and subjects it to one of the most rigorous inspection methodologies. The resultant stainless steel sheet has a scintillating and highly aesthetic surface matching international standards.

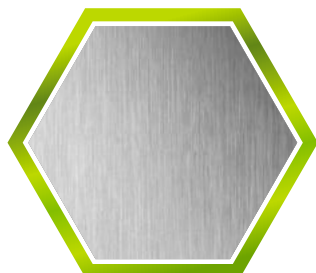
SATIN SURFACE
STAINLESS STEEL
SHEET



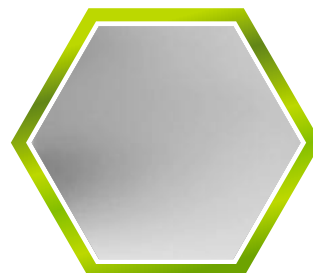
HAIRLINE
STAINLESS STEEL
SHEET



SCOTCH BRITE
STAINLESS STEEL
SHEET

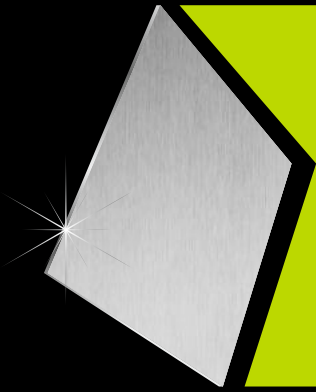


MIRROR SURFACE
STAINLESS STEEL
SHEET





Products

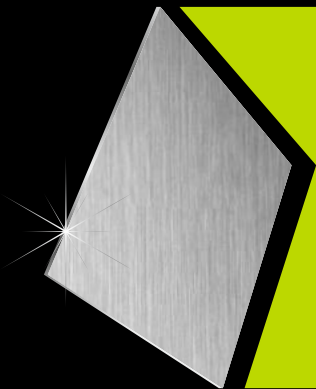
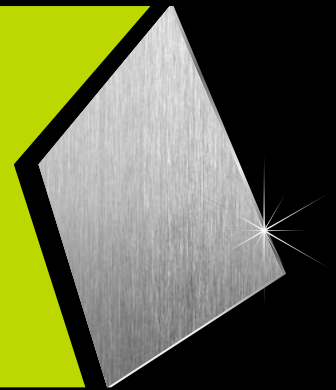


No. 4 - Satin Surface Stainless Steel Sheet

The basic sheet selection should preferably be of 2B sheet and this is Satin Finish from malty process like abrasive belt grinding with wet process. Also we can produce satin finish with oscillated scotch bright roller from dry process. The resultant finish has short symmetrical grains, lively metallic shine and the warmth of cold steel. The application verticals of this finish to name a few are in cookware, furniture, elevator, architectural decoration, revolving door, exterior decoration etc.

Hairline Stainless Steel Sheet

The basic sheet selection should preferably be of 2B stainless steel sheet and it process without oscillated scotch bright roller from dry process. The resultant finish has clear and long directional grains with delicate and unique surface aura. The application verticals of this finish to name a few are in elevator, architecture decoration, revolving door, furniture, home appliance, auto sector, exterior decoration, etc.



Scotch Brite Stainless Steel Sheet

Scotch-Brite is widely used by metal finishing specialists for a range of three dimensional nylon fabric materials with impregnated abrasive particles. These finishing media are classified, not by a specific grit size or grade, but as a range of products including coarse, medium, fine, very fine and super fine.

This finish has smooth & exquisite grains, which looks shorter than Hairline but longer than No.4.

No. 8 Mirror Surface Stainless Steel Sheet

The basic sheet selection should preferably be of 2B or BA stainless steel sheet and should be subjected to rigorous polish and buffing with smooth mops and special polishing compounds. The resultant finish is a highly ornamental reflective mirror like finish with no apparent polishing lines. Examined by GB4500 the lightness is over 60 degree and the surface smoothness is less than 0.01 microns. The application verticals of this finish to name a few are in elevator, architecture decoration, revolving door, furniture, home appliance, auto sector, exterior decoration, etc. We also produce both side mirror for special uses.





Application

Aesthetic, Artistic, Amazing

For its super finish quality and amazing durability our products has wide range of application ranging from automatic doors, elevators, screen walls, architectural decorations, kitchen wares, transportations, medical instruments etc. Ratnaveer Stainless Steel Sheets applies on the famous construction projects both at home and abroad.

Applications for Architecture Building & Construction Segments

KITCHEN WARE

Elevators Decoration

Building Decoration

Name plate

Kitchen Ware

Food processing equipment

Kitchen cabinets

Kitchen exhaust hoods

Dairy handling equipment

Cookware

Chimney liners

Malls

Airports





Processing Capability

“Competent, Creative, Classy”

Finish	Grade	Thickness Range	Width Range	Length Range
No. 4 / Satin / Matt	304, 316 & 200 series	0.5-3.0 mm	Upto 1250 mm	Upto 2500 mm
Hairline Finish	304, 316 & 200 series	0.5-3.0 mm	Upto 1500mm	Upto 3000mm
Scotch Brite	304, 316 & 200 series	0.5-3.0 mm	Upto 1500mm	Upto 3000mm
No. 8 / Super Mirror	304, 316 & 200 series	0.5-3.0 mm	Upto 1500mm	Upto 3000mm

Grade and Size of the Stainless steel sheets can be matched to customer's specifications.

Quality

The organization constantly strives to ensure that the products supplied are of the highest quality and that they are produced 100% compliant with International Standards. Ratna Veer Finishing Line Division utilizes high quality raw material with full mechanical and Chemical Certification. All process in house are fully checked through rigorous inspection and testing, with a final approval inspection on completion. The organization continuously strives continuously to ensure that it provides the very best communication and services to customers with 'Right first time' as the prime objective.

Roughness Tester	Glossmeter	Micrometer	Measuring Tape
			
for Roughness analysis.	for gloss level checking	for thickness measurement	for dimensional measurement

Process Machinery



No. 4 / Satin / Matt Finish



Hairline / Scotch Brite



No. 8 / Super Mirror





Packaging

Prim, Proper, Precise

STANDARD PALLETISATION

Sr. No.	PALLET SIZE (MM)	PALLET MATERIAL	PALLET CAPACITY MAX. (KGS)	19MM METAL STRIPE USED (KGS)	CLIP/PET SEAL USED PER PACKET (NOS.)	HOLLOW SHEET SIZE (MM)	HOLLOW SHEET PER PACKET	TARPAULIN USED PER PACKET (SQ. MTR)	CORRUGATED ANGLE USED PER PACKET (MTR.)
01	I500X3000	Wooden	2000	0.75	6.00	I500X3000	2	10	9.00
02	I250X2500	Wooden	2000	0.50	5.00	I250X2500	2	8	7.50

MATERIAL	COLOUR	THICKNESS (MM)	FORMING	BENDING	KNURLING FORMING	CHARACTERISTICS	APPLICATIONS
PVC	White	0.07mm to 0.1mm	Good	Excellent	Good	Strong Adhesion, heat and weather Resistant	Indoor/Outdoor Construction Decoration Products requiring long term surface protection
PVC	Blue	0.08 mm	Excellent	Excellent	Good	Appropriate for high glossy products.	Deep drawn hardware with high gloss bright annealed or mirror finish surfaces.
PE	Transparent	0.05mm	Poor	Good	Poor	Cost effective alternative	Commercial surface protection for drawing
PE	Blue	0.05mm	Poor	Good	Poor	Cost effective alternative	Commercial surface protection for drawing
Laser PVC	BLUE with LASER FILM marking	Good	Excellent	Good	Good	Protection from burning	It permits protected sheet metal to be laser cut in a single run. There is no peel back and no formation of air bubbles during laser-cutting operations.



Chemical Composition

300 Series

Grade	Chemical Composition (%)									
AISI/ASTM	Steel No. Equivalent to DIN EN	C (Max)	Mn (Max)	P (Max)	S (Max)	Si (Max)	Cr	Ni	Mo	Other Elements
TP 304	1.4301	0.08	2.00	0.045	0.030	1.00	18.0-20.0	8.0-11.0	-	-
TP 304L	1.4307	0.035	2.00	0.045	0.030	1.00	18.0-20.0	8.0-12.0	-	-
TP 304N	-	0.08	2.00	0.045	0.030	1.00	18.0-20.0	8.0-11.0	-	N - 0.10 - 0.16
TP 304LN	1.4311	0.035	2.00	0.045	0.030	1.00	18.0-20.0	8.0-11.0	-	N - 0.10 - 0.16
TP 310	-	0.25	2.00	0.045	0.030	1.50	24.0-26.0	19.0-22.0	-	-
TP 310S	1.4845	0.08	2.00	0.045	0.030	1.00	24.0-26.0	19.0-22.0	-	-
TP 316	1.4401	0.08	2.00	0.045	0.030	1.00	16.0-18.0	10.0-14.0	2.00-3.00	-
TP 316L	1.4404	0.035	2.00	0.045	0.030	1.00	16.0-18.0	10.0-14.0	2.00-3.00	-
TP 316N	-	0.08	2.00	0.045	0.030	1.00	16.0-18.0	10.0-13.0	2.00-3.00	N - 0.10 - 0.16
TP 316LN	1.4406	0.035	2.00	0.045	0.030	1.00	16.0-18.0	10.0-13.0	2.00-3.00	N - 0.10 - 0.16
TP 316Ti	1.4571	0.08	2.00	0.045	0.030	0.75	16.0-18.0	10.0-14.0	2.00-3.00	Ti-5(C+N)-0.7/N-0.10 Max

AUSTENITIC



Physical Properties

Grade	Tensile Strength KSI(MPA) Min.	Yield Strength KSI(MPA) Min.	Elongation in 2 inches % Min.	Hardness(Max)		Thermal Conductivity Col/Sec.cm ^{°c} at Temp Range 20-500 °c	Co-efficient of Expansion X 10 ⁻⁶ Cm/cm/°c at Temp Range 20-870 °c
				Brinell(HBW)	Rockwell(HRB)		
TP 304	75(515)	30(205)	35	192	90	0.051	19.9
TP 304L	70(485)	25(170)	35	192	90	0.051	19.8
TP 304N	80(550)	35(240)	35	192	90	0.051	19.9
TP 304LN	75(515)	30(205)	35	192	90	0.051	19.8
TP 310	75(515)	30(205)	35	192	90	0.044	18.8
TP 316	75(515)	30(205)	35	192	90	0.042	19.3
TP 316L	70(485)	25(170)	35	192	90	0.042	19.3
TP 316Ti	75(515)	30(205)	35	192	90	0.042	19.3
TP 316N	80(550)	35(240)	35	192	90	0.038	19.3
TP 316LN	75(515)	30(205)	35	192	90	0.042	19.3

Our Credentials

Meeting the ever-changing demands of the market with lot of poise and grandeur, Ratnaveer has been credited with immense repute and glory in the form of various Certificates which are dedicated to the Company's continuous improvement in the processes, products and systems incorporated from time to time.

Customer Satisfaction

Ratnaveer is a Customer-Oriented Company with an extensive product range with acknowledged performance and quality. We try to satisfy Customers' requirements with the expected quality along with the developed sales and service department. Ratnaveer ensures adequate technical support combined with the technological sophistication of the products being employed.



Packing

At Ratnaveer, it is not just the product which gets its packaging, but the image of the company as well. The company assures efficient and flawless packaging with enhanced strength and aesthetics.



Global Presence

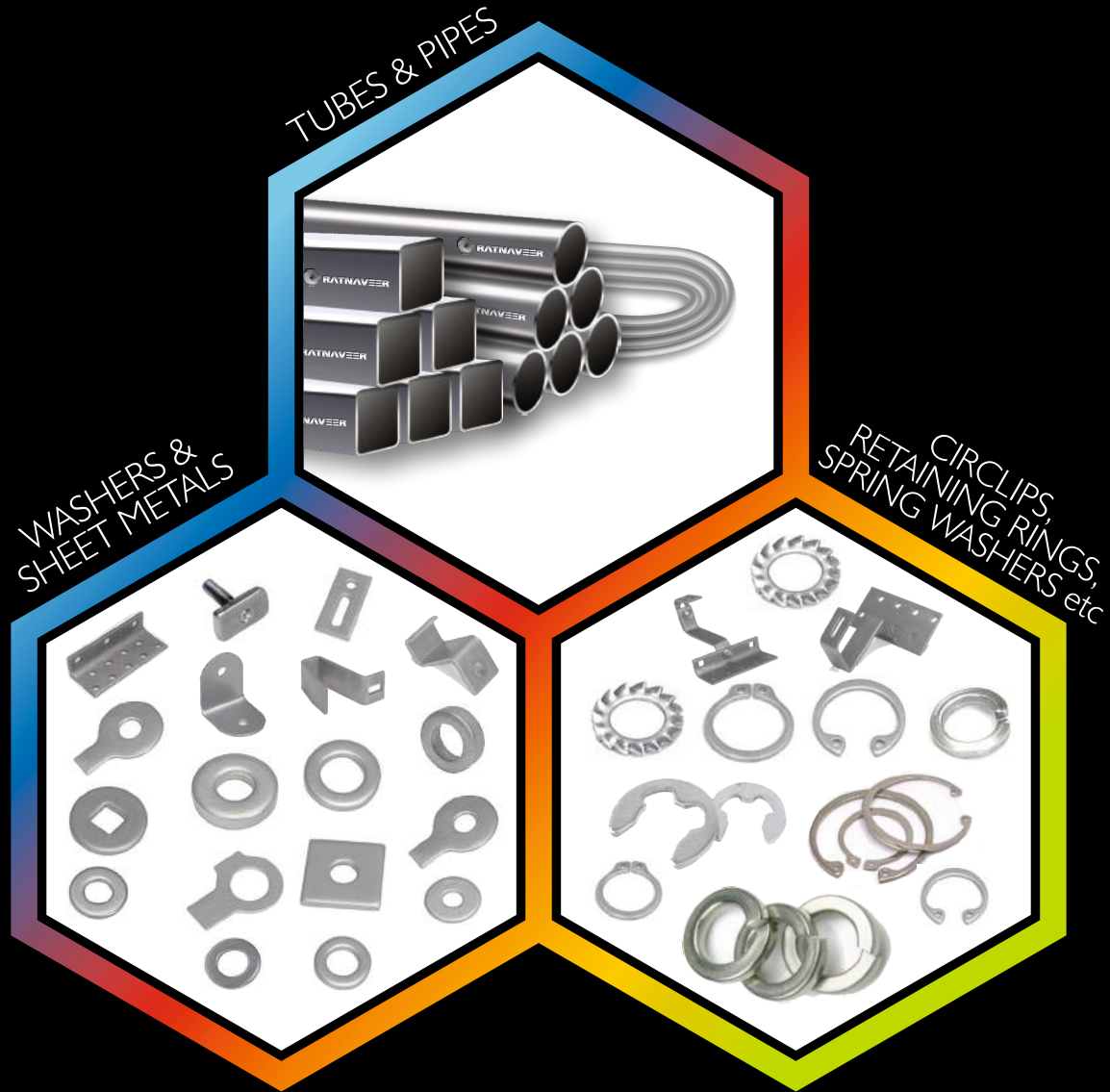
As a Global exporting company we are committed to being forefront of technology and innovation. This includes our markets around the world where we continue to expand our international partnerships and broaden our focus to one that is increasing globally. Ratnaveer has a range of Industry - leading capabilities for markets around the world and sell products and services to customers in 25 countries since 15 years.



Export House

Ratnaveer is a Star Export House since 2003, it is known for achieving targets and goals on time and at par excellence. The company has received various exporting awards since its inception.

Group Products



RATNAVEER

Stainless Products Pvt. Ltd.

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