

Products

- Stainless Steel Seamless Pipes
- Stainless Steel Seamless Heat Exchanger Tubes
- Stainless Steel Seamless Heat Exchanger “U” Tubes
- Stainless Steel Seamless Instrumentation Tubes
- Stainless Steel Buttweld Fittings
- Stainless Steel Electro Polished Tubes
- Stainless Steel Flanges, Forged Rings & Stubends

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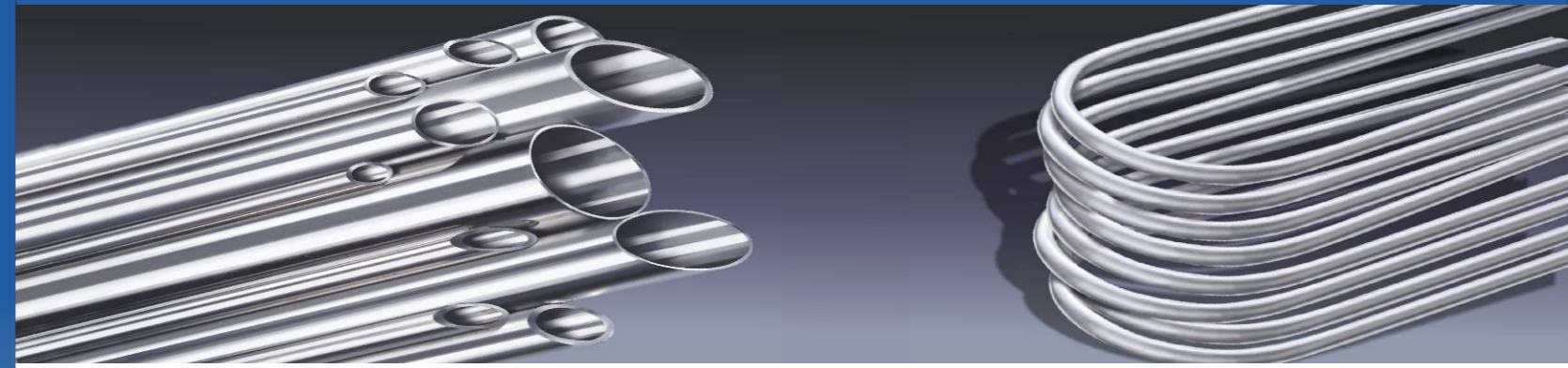
SURAJ LIMITED

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www.surajgroup.com

Progress is Life

SURAJ



STAINLESS STEEL TUBES SERVING WORLDWIDE



SURAJ LIMITED

www.surajgroup.com

Progress is Life



SURAJ LIMITED

Manufacturers of Stainless Steel,
Alloy steel, Carbon steel Seamless Pipes,
Tubes, Fittings & Flanges.

Suraj Policy

Suraj is a professionally managed Public Limited Company established in 1994 with an aim to become one of the market leaders in the country. Suraj has a specialist to manufacture and supply of Austenitic, Ferritic, Martensitic, Duplex & Super Duplex Stainless Steel Seamless Pipes, Tubes, "U" Tubes, Fittings, Flanges, Rings, Stubends & Electro Polished Finish in various sizes, specification and grades. Our products are manufactured to the highest quality standards and are very competitive price. We hold strong and good financial position, self sustained infrastructure, wide network of client's and deep knowledge of manufacturing our above products.

Quality....

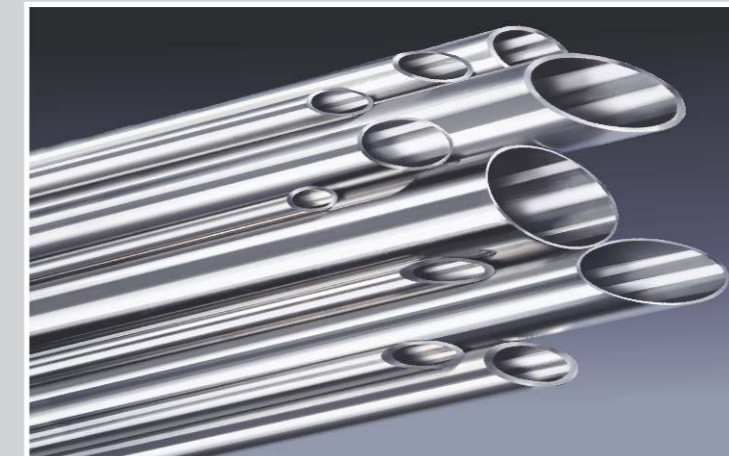
Suraj Management team firmly dedicates it self to providing customers with products of the very high quality standards. Specifications and control systems are strictly adhered to International standards. The management team engages in regular communication with all employees to ensure that the quality policy is properly understood, implemented and maintained at all levels. We are firmly committed to consistent supply of our products to full satisfaction of our valued customers through continues improvement the Processes, Resources and Methods to comply with ISO-9001:2015, ISO-14001:2015 & BS OHSAS 45001 : 2018.

Environment, Health & Safety....

At Suraj we place environmental issues as a top priority. We are committed to comply with all statutory requirements related to Environment, Health Safety, Pollution, Prevention, injury and ill health through continuous efforts.

Commitment

Suraj Committed by Increasing Value for its Share Holders.



Product	Size / Range	Thickness / Class	Specification
Heat Exchanger Tube	6.00 mm to 101.6 mm OD	0.89 mm to 6.00 mm THK	ASTM A-213, A-268, A-269, A-789, EN 10216-5
Heat Exchanger 'U' Tube	12.7 mm to 50.8 mm OD	0.89 mm to 5.00 mm THK	ASTM A-213, A-268, A-269, A-688, A-789, EN 10216-5 'U' Tubes as per Customers drawing
Instrumentation Tube	6.00 mm to 50.80 mm OD	0.80 mm to 6.00 mm THK	ASTM A-213, A-269, A-789 EN : 10216-5



Quality Certification & Approvals

Stainless Steel Pipe, Tubes, 'U' Tube Fittings, Flanges, Rings, Stubends & Electro Polished Finish are manufactured and tested to International standards, under Supervision by qualified and experienced technocrats. Quality System is certified / approved for ISO 9001:2015, ISO 14001:2015, BS OHSAS 45001:2018, AD 2000 Merkblatt W0, Pressure Equipment Directive 97/ 23/ EC and Govt. Recognized Export House. All the materials are Certified as per 3.1, 3.2 and are also available with the Inspection of Internationally renowned Inspection Agencies as under



Domestic



and many more...



Overseas



and many more...

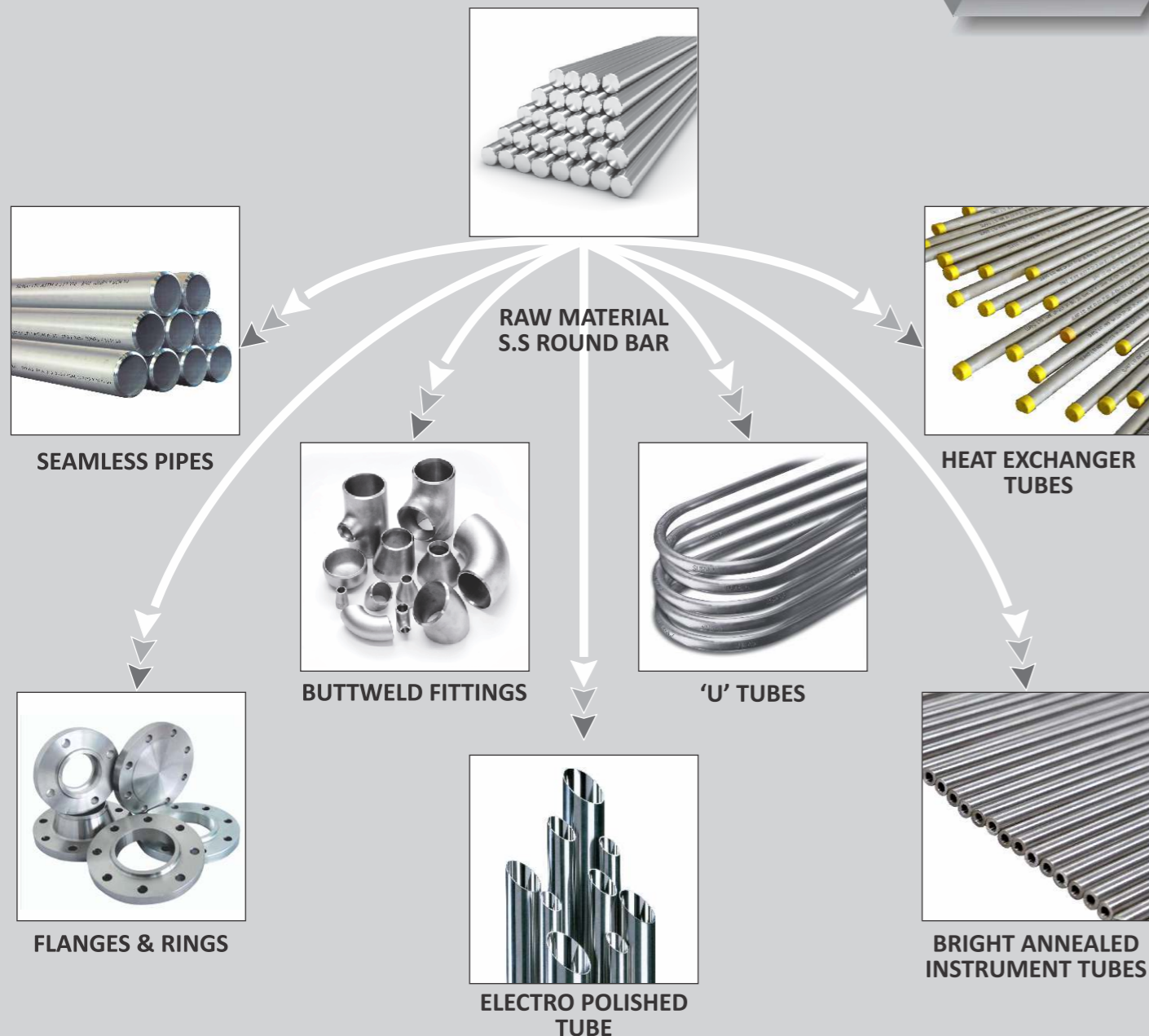


Suraj Integrated Products

Suraj Ltd is having state of art manufacturing facilities spread over 8,40,000 Square feet land with Total built up constriction area 4,20,000 square feet.

We have Installed total 30 Pilger Lines and 20 Draw Benches all are in running condition with a production capacity of 15,000 Metric Ton per annum. Which leads us the biggest manufacturer of Stainless Steel Seamless Pipes & Tubes manufacturing unit in India running since more than 30 years.

We have total 6 different plants dedicated for each product in 2 different locations for manufacturing Stainless Steel Seamless Pipes, Tubes, 'U' Tubes, Instrumentation Tubes, Electro Polished Tubes, Buttweld Fittings & Flanges.



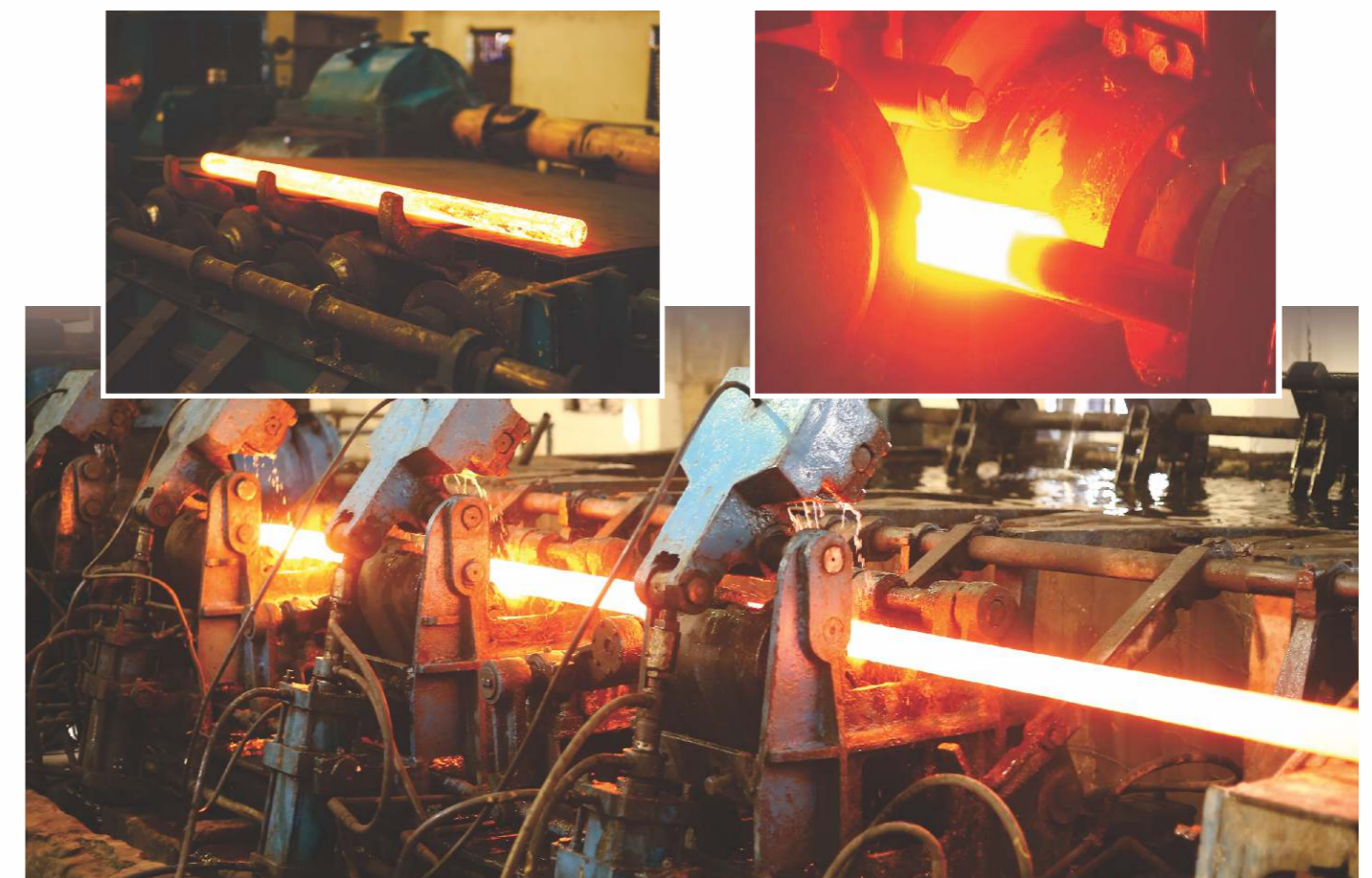
Seamless Hot Finish Mother Pipes



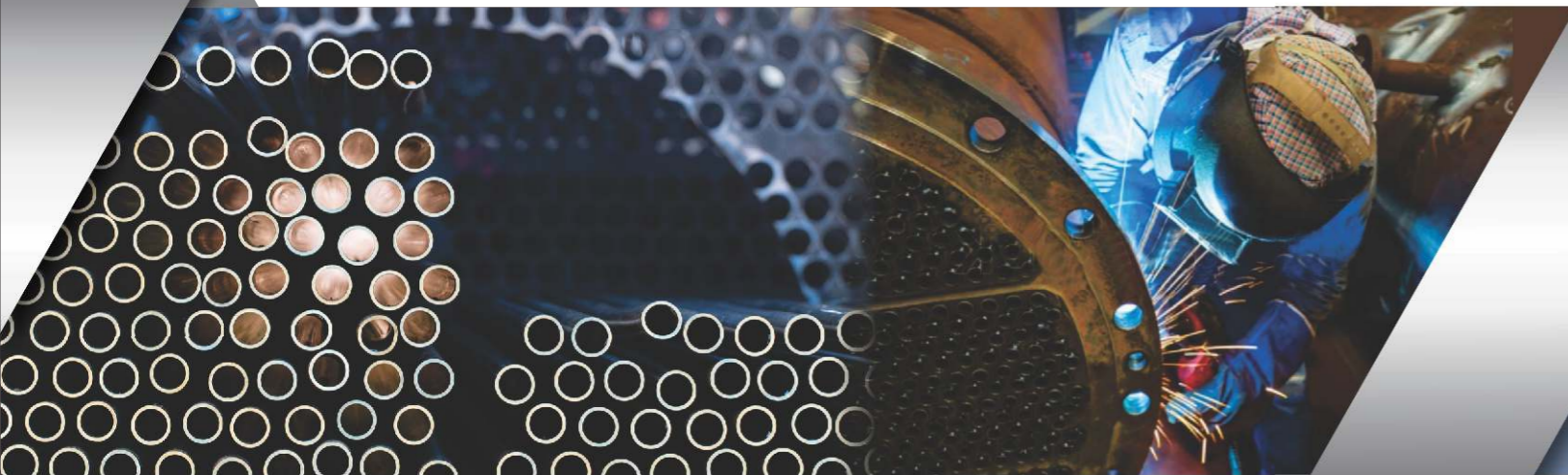
We are having State of the art facility for the production of Mother Pipe to produce Seamless Tubes and pipes. We use Stainless Steel round bars of reputed Indian producers for production of Mother Pipes. The round bars undergo various operations to get final finish.

With the help of Hot Piercing Process we can produce Mother Pipes. We are using these mother pipes as a raw material to produce Seamless Pipes & Tubes in Cold Pilger Mill or a Cold Drawing.

With this facility we serve our products at level best to the industry.



Seamless Heat Exchanger Tube



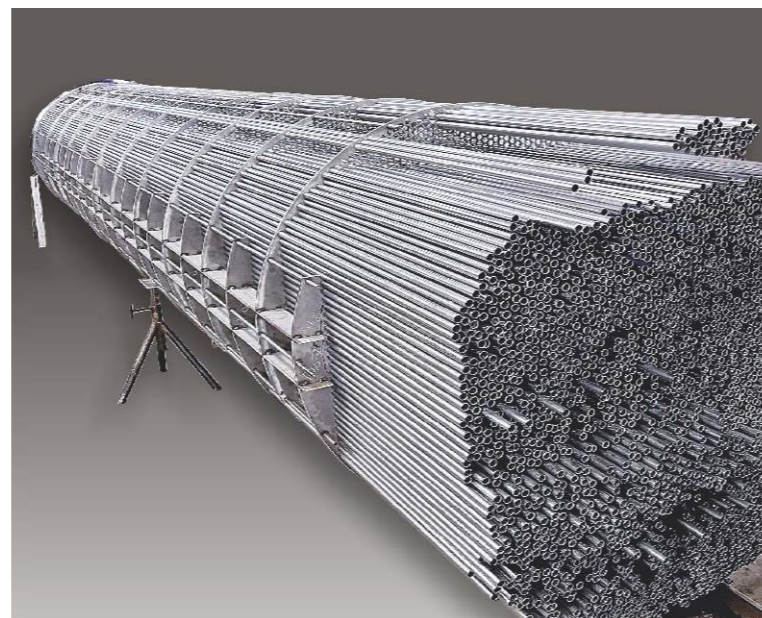
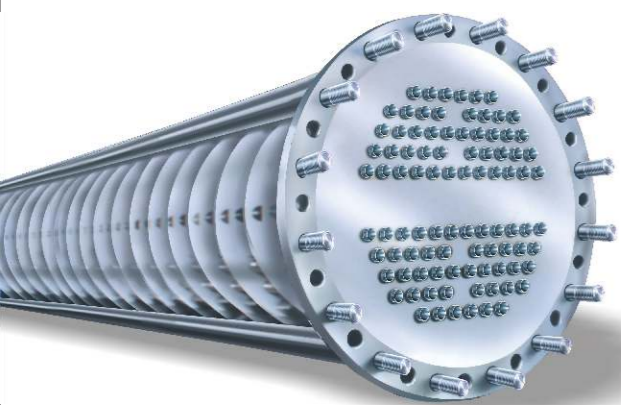
Suraj makes Stainless Steel Tube by cold working Pilgering & drawing process with largest capacity, having advantage of its own Mother Pipe division, can be met to the Clients requirements.

Stainless Steel Tube finds application into critical & corrosive environment as such the quality of Tubes are maintained with precise tolerance as per the required international standards.

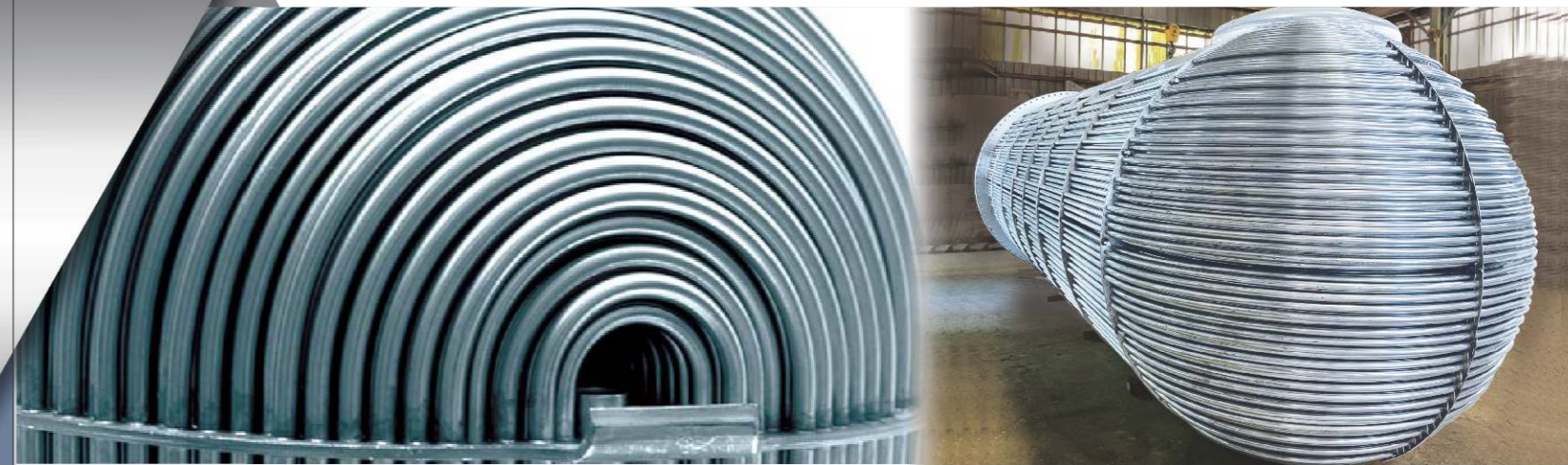
We are giving under all third party and customer Inspection with in-house testing facilities.

Suraj have specialization in Tubing for equipment like heat exchangers, heating elements, Thick wall boiler tubes, instrumentation tube with facility of bright annealing, extra long length upto 30-meter and wide range of dimensions including non-standard dimensions on customers request.

Size	: 6.0 mm to 101.6 mm OD
Thickness	: 0.89 mm THK to 6.0 mm THK
Specification	: ASTM A-213, A-268, A-269, A-789, Equivalent to ASME, EN, JIS Etc.
Type of Packing	: Seaworthy Wooden Box

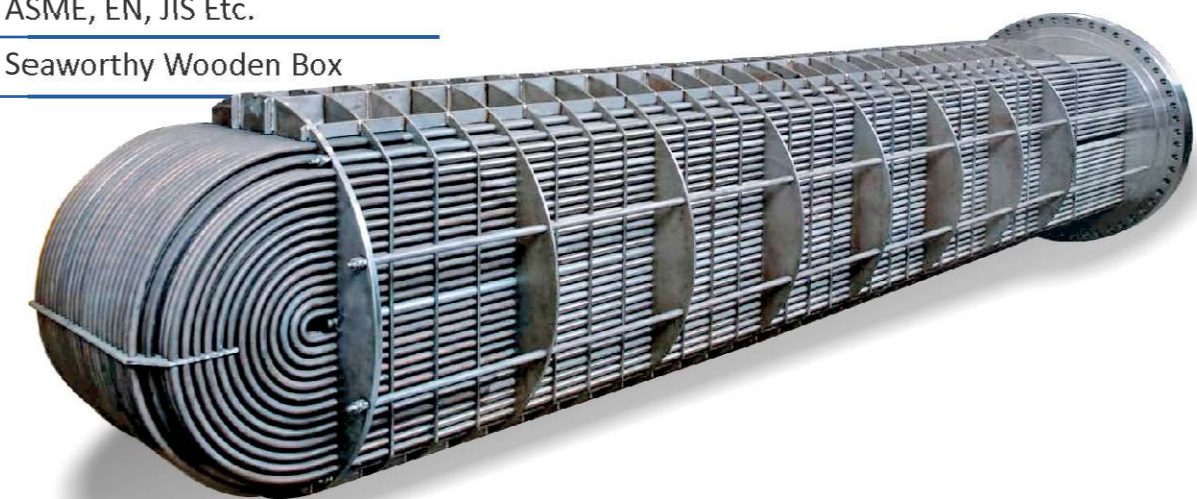


Seamless Heat Exchanger 'U' Tube



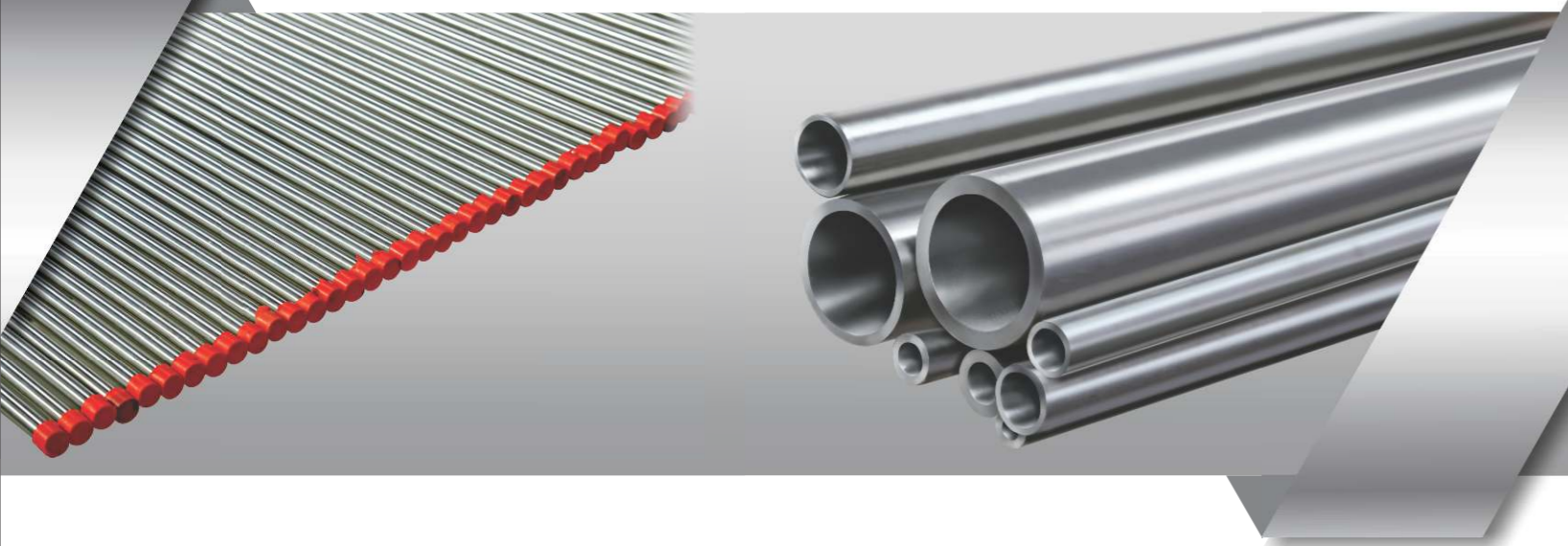
- ◆ "U" bending is done by cold working process.
- ◆ "U" bending is done to the required radius as per customers drawings.
- ◆ The bend portion and six inch leg is stress relieved by resistance heating.
- ◆ Inert gas (Argon) is passed inside it at the required flow rate to avoid inside oxidation.
- ◆ The radius is checked for its OD and wall thinning with the recommended specification.
- ◆ Visual inspection for waviness and cracks check is done with Dye Penetrant Test.
- ◆ Each Tube is then Hydro Tested at the recommended pressure to determine for leakage.
- ◆ Cotton Ball test is done to check the inside cleanliness of the tube.
- ◆ Thereafter pickled, dried, marked and packed.
- ◆ All procedure is strictly followed as per TEMA 'R','C','B' and ASTM A-688.

Size	: 12.70 mm OD to 50.80 mm OD
Thickness	: 0.89 mm THK to 5.0 mm THK
Specification	: ASTM A-213, A-268, A-269, A-688, A-789, Equivalent to ASME, EN, JIS Etc.
Type of Packing	: Seaworthy Wooden Box



We also make tubes upto 30 meter long.

Seamless Instrumentation Tubes



Suraj engage in production of best and high quality Bright Annealed Precision Seamless tubes and pipes which are made stainless steel Austenitic, Ferritic, Martensitic, Duplex & Super Duplex.

These tubes & pipes are tested on various parameters like Strength, Durability, Temperature & Pressure resistance etc. before supplied to the clients. We can provide these in customized sized and specification as per requirement of our esteemed customer's Standard ASTM, ASME & Other equivalent specifications.

Suraj control the quality from the beginning and the surface will be thoroughly cleaned to make double sure that the surface is perfect, bright and smooth without any deficiency in quality.

Size	: 6.0 mm to 50.80 mm OD
Thickness	: 0.80mm THK to 6.0 mm THK
Specification	: ASTM A-213, A-269, A-270, A-789, A-403 Equivalent to ASME, EN, JIS Etc.
Type of Packing	: Seaworthy Wooden Box



In house production of mother hollow is major strength of Suraj for the production of seamless instrumentation tubes.

Suraj has a dedicated separate plant for the manufacturing of stainless steel seamless instrumentation tubes.

The tubes are heat treated in off-line Bright Annealing furnace. Inside & Outside surface with bright finish is maintained for free flow of fluid.

Quality standards:

- ◆ In house NDT Facility for UT/ECT/DP.
- ◆ Maintain Hardness for any kind of bending as per customer's requirement.
- ◆ IGC test can be performed as per specification.
- ◆ Approved by all major National & International inspection agencies.

Stainless Steel Grades

Application



AUSTENITIC STAINLESS STEEL

Grade (TP)	UNS Designation B	EN	Carbon	Mang- anese	Phos- Phorus	Sulfure	Silicon	Chromium	Nickel	Molyb- denum	Nitrogen-B	Niobium	Titanium	Other- Elements
304	S30400	1.4301	0.08	2.00	0.045	0.030	1.00	18.0-20.0	8.0-11.0	...	0.10	...	...	...
304L		1.4306	0.030	2.00	0.40	0.015 ^b	1.00	18.0-20.0	10.0-12.0 ^b	...	0.11	...	...	...
304L	S30403	1.4307	0.035 ^b	2.00	0.045	0.030	1.00	18.0-20.0	8.0-13.0	...	0.10	...	...	...
304H	S30409	1.4948	0.04-0.10	2.00	0.045	0.030	1.00	18.0-20.0	8.0-11.0	...	...	...	...	...
304N	S30451	1.6907	0.08	2.00	0.045	0.030	1.00	18.0-20.0	8.0-11.0	...	0.10-0.16	...	...	...
304LN	S30453	1.4311	0.035 ^b	2.00	0.045	0.030	1.00	18.0-20.0	8.0-12.0	...	0.10-0.16	...	...	...
309S	S30908	...	0.08	2.00	0.045	0.030	1.00	22.0-24.0	12.0-15.0	0.75	...	...	...	...
309H	S30909	...	0.04-0.10	2.00	0.045	0.030	1.00	22.0-24.0	12.0-15.0	...	...	...	...	...
310S	S31008	1.4842	0.08	2.00	0.045	0.030	1.00	24.0-26.0	19.0-22.0	0.75	...	...	...	...
310H	S31009	1.4845	0.04-0.10	2.00	0.045	0.030	1.00	24.0-26.0	19.0-22.0	...	...	...	...	...
316	S31600	1.4401	0.08	2.00	0.045	0.030	1.00	16.0-18.0	10.0-14.0	2.0-3.0	...	...	...	...
316L	S31603	1.4404	0.035 ^b	2.00	0.045	0.030	1.00	16.0-18.0	10.0-14.0	2.0-3.0	...	...	...	...
316H	S31609	1.4401/ 1.4919	0.04-0.10	2.00	0.045	0.030	1.00	16.0-18.0	10.0-14.0	2.0-3.0	...	...	...	...
316Ti	S31635	1.4571	0.08	2.00	0.045	0.030	0.75	16.0-18.0	10.0-14.0	2.0-3.0	0.10	...	5X (C+N)min, 0.70	...
316N	S31651		0.08	2.00	0.045	0.030	1.00	16.0-18.0	10.0-14.0	2.0-3.0	0.10-0.16	...	...	...
316LN	S31653	1.4406	0.035 ^b	2.00	0.045	0.030	1.00	16.0-18.0	10.0-14.0	2.0-3.0	0.10-0.16	...	...	...
317	S31700	1.4449	0.08	2.00	0.045	0.030	1.00	18.0-20.0	11.0-14.0	3.0-4.0	0.10	...	...	...
317L	S31703	1.4438	0.035	2.00	0.045	0.030	1.00	18.0-20.0	11.0-15.0	3.0-4.0	0.10	...	...	...
321	S32100	1.4541	0.08	2.00	0.045	0.030	1.00	17.0-19.0	9.0-12.0	...	0.10	...	5(C+N)-0.70	...
321H	S31209	1.4941	0.04-0.10	2.00	0.045	0.030	1.00	17.0-19.0	9.0-12.0	...	...	...	4(C+N)-0.70	...
347	S34700	1.4550	0.08	2.00	0.045	0.030	1.00	17.0-20.0	9.0-13.0	...	...	10xC-1.10	...	...
347H	S34709	1.4550	0.04-0.10	2.00	0.045	0.030	1.00	17.0-19.0	9.0-13.0	...	...	8xC-1.10	...	...
347LN	S34751		0.005-0.020	2.00	0.045	0.030	1.00	17.0-19.0	9.0-13.0	...	0.06-0.10	0.20-0.50 ^e	...	...
904L	S31254 N08904	1.4540	0.020	1.00	0.030	0.010	0.80	19.5-20.5	17.5-18.5	6.0-6.5	0.18-0.22	.....	.....	Cu 0.50-1.00 Cu 1.0 -2.0

FERRITIC & AUSTENITIC STAINLESS STEEL (DUPLEX & SUPER DUPLEX)

Grade (TP)	UNS Designation B	EN	C	Mn	P	S	Si	Ni	Cr	Mo	N	Cu	Others
	S31260	1.4410	0.030	1.00	0.030	0.030	0.75	5.5-7.5	24.0-26.0	2.5-3.5	0.10-0.30	0.20-0.80	W 0.10-0.50
	S31500	1.4417	0.030	1.20-2.00	0.030	0.030	1.40-2.00	4.3-5.2	18.0-19.0	2.5-3.0	0.05-0.10	...	...
	S31803	1.4462	0.030	2.00	0.030	0.020	1.00	4.5-6.5	21.0-23.0	2.5-3.5	0.08-0.20	...	...
	S32205		0.030	2.00	0.030	0.020	1.00	4.5-6.5	22.0-23.0	3.0-3.5	0.14-0.20	...	...
	S32550	1.4507	0.040	1.50	0.040	0.030	1.00	4.5-6.5	24.0-27.0	2.0-4.0	0.10-0.25	1.50-2.50	...
	S32750	1.4501	0.030	1.20	0.035	0.020	0.80	6.0-8.0	24.0-26.0	3.0-5.0	0.24-0.32	0.50	...
	S32760		0.050	1.00	0.030	0.010	1.00	6.0-8.0	24.0-26.0	3.0-4.0	0.20-0.30	0.50-1.00	W 0.50-1.00

FERRITIC & MARTENSITIC STAINLESS STEEL

Grade (TP)	UNS Designation B	EN	C,max	Mn,max	P,max	S,max	Si,max	Ni	Cr	Mo	Al,max	Cu,max	N,max	Ti
405	S40500	1.4002	0.08	1.00	0.040	0.030	1.00	0.60 max	11.5-14.5	...	0.10-0.30	...	...	...
410	S41000	1.4006	0.15	1.00	0.040	0.030	1.00	0.75	11.5-13.5	...	...	...	...	...



End Users

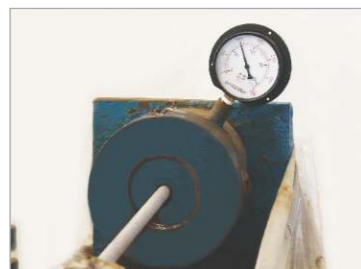
- ◆ Chemicals & Petrochemicals Plant
- ◆ Fertilizers Plant
- ◆ Refinery Plant
- ◆ Oil & Gas Plant
- ◆ Power Plant
- ◆ Sugar Plant
- ◆ Dairy & Food Processing Plant
- ◆ Pharmaceuticals Plant
- ◆ Pulp & Paper Plant
- ◆ Desalination Plant
- ◆ Nuclear Power Plant

Fabrication Plant

- ◆ LP/HP Heaters
- ◆ Heat Exchangers
- ◆ Heating Elements
- ◆ Instrumentation
- ◆ Ship Building
- ◆ Fluid Piping
- ◆ Automobiles



Testing Facility



- ◆ Chemical and Mechanical Testing
- ◆ Micro Structure Analysis
- ◆ Spectro laboratory version
- ◆ Spectro Mobile for PMI
- ◆ Laboratory for Corrosion Test
- ◆ Hydro Static testing
- ◆ Air Under Water Testing
- ◆ Boroscope Examination
- ◆ Eddy Current Testing
- ◆ Ultrasonic Testing
- ◆ Optical Pyro Meter
- ◆ Hardness Testing
- ◆ Dye Penetrant Testing
- ◆ Long length straightening check equipment
- ◆ Brust / Proof Test (Stainless Steel Buttweled Fitting)



Corporate Profile



Promoter Directors
 Ashok Shah - Chairman & CFO
 Gunvant Shah - Vice Chairman
 Kunal Shah - Managing Director & CEO

Members of
 Federation of Indian Export Organisations
 Bombay Chamber Of Commerce & Industry
 Gujarat Chamber Of Commerce & Industry

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Works Thol Plant

779/A, Vill. Thol, Kadi - Sanand Highway, Taluka - Kadi, Dist. Mehsana, Gujarat (India)



Mother Pipe Division



Seamless Tube Division



Seamless Pipe Division



Precision Tube Division



Buttweled Fitting Division

Works Chandarda Plant

51, Village Chandarda, Kalol- Mehsana highway, Taluka Kadi, District Mehsana, Gujarat (India)



Forging Division



Machining Division