



A member of S. M. Bhansali Group

MANUFACTURERS
IMPORTERS &
EXPORTERS




PUSHPAK

An ISO 9001 : 2000 CERTIFIED COMPANY



STAINLESS STEEL
CARBON STEEL
ALLOY STEEL
NICKEL ALLOYS



A man in a white and blue athletic jersey with a red star logo on the chest and blue shorts is captured in mid-air, jumping over a large stack of metal pipes. The background is a bright, hazy sky. The pipes are stacked in a grid pattern, with some pipes in the foreground being more prominent than others.

Surpassing Customer Expectation & Beyond

Generally it is seldom said than done. But at **PUSHPAK** right from the day one, we have consciously moved by the strength of such high thinking. Outperforming customer expectation is our goal, our destination.

PUSHPAK with all its strength and competence in technical, commercial aspect of business has already achieved an enviable track record by serving many core industries almost satisfactorily. Today we can proudly say we are on the right path to reach our goal, learning in each step and moving fast with a cohesive sense of direction - "Total Customer Satisfaction".

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Our Pedigree

S. M. Bhansali Group is a multi- Dimensional and multi faceted Industrial Conglomerate with combined group turn over of 300 crores and is an active player in manufacturing of Stainless Steel Tubes / Pipes, Pipe Fittings, Flanges and also actively involved in Cement, Poly Granules and Export & Import of other Ferrous, Non Ferrous Metal & Exotic Alloys.

Our vision

Our vision is to excel in our chosen field of business and become a true global trading partner in the field of Ferrous & Non-Ferrous products. Achieving manifold growth in business through systematic integration and upgradation of manufacturing facilities, technical expertise, ethical business practice, Quality, Safety and Environment concern and Corporate social responsibility.

Pushpak Steel & Engineering Company is a professionally managed organisation having extensive experience in the field of all Ferrous & Non-Ferrous metals. PUSHPAK the flagship company of S. M. Bhansali Group is actively involved in manufacturing of Stainless Steel Tubes/Pipes, Contract Manufacturing of Fittings, Flanges. Having expertise and sourcing network to supply all Stainless Steel, Carbon steel, Nickel Alloy & Special Exotic Alloys in the shape of Tubes, Pipes, Sheets, Plates, Rods, Pipe Fittings & Flanges etc.

Our operational style has been the key to our success as we delegate responsibility to the specific need of every customer. Each of our customers are given priority and personalised service as we consider every customer a member of PUSHPAK family. Every member from management, managers to workers each one is encouraged to achieve highest performance in Quality & Service resulting in Total Customer Satisfaction.

As a testimony to our relentless efforts in satisfying the client's need, we have been retained by various clients across industries like Refineries & Petrochemicals, Oil & Gas, Chemicals & Fertilizers, Cement, Paper & Pulp, Engineering, Construction, Fabrication, Sugar, Nuclear & Thermal Power Plant etc.

This catalogue has been designed to help Plant Engineers, Purchase Managers, Plant Designers and Site Engineers in gathering all the required information / data and useful facts, which will make buying decision much easier for them.

We assure you our best services and quality materials at all times.

Our Strength

- More than 300 Satisfied Customers
- First Company in our field to get CRISIL rating
- ISO 9001: 2000 Certified Organisation
- Under the aegis of a well diversified S. M. Bhansali Group
- An approved Vender of India's Top10 Industrial Conglomerates
- Huge Stock Holding Capacity upto 5000 M.T.
- Nurturing talents through sponsoring industry seminar





Pipe Manufacturing

With the technological evolution around the world, application of Stainless Steel Tubes & Pipes are increasing day by day, which requires products with Quality Standards and service with stringent quality controls. PUSHPAK has put up a modern plant at Mahad in Maharashtra to ensure the Quality Standards of Manufacturing that can satisfy specifications like ASTM/ASME, DIN, BS, JIS, IS, GOST and AFNOR.

Stainless Steel Tubes, Pipes & Fittings are manufactured and tested to National and International Standards under Supervision of an experienced team led by highly qualified and experienced techno-crats to satisfy and meet the most critical demands of the customers.

Cold Drawing

In cold drawing process raw material tubes are coated with some special chemical or applied some special lubricant oil.

In cold drawing process the tubes are pulled through tungsten carbide die and flottage / fixed plug in side the tubes resulting in reduced tube diameter and wall thickness corresponding increase in tube length.

Our capacity of drawing ranges from 6 to 219mm OD & thickness from 0.8 to 12mm.



Welded Pipes & Tubes

Welded tubes making operations are carried out on the tube mill. Cold / Hot stainless steel strip are slitted to the required width as per the diameter of tube to be formed. The strips are then feed to the uncoiler from where its passes through series of rollers & continuously formed in to a tubular shape and welded by tungsten-inert-gas (TIG) welding. It is high precision completely automated process where the edge of script are heated and fused together under a protect in atmosphere of argon gas through a non consumable electrode without using any filler metal. Bead crushing operation is carried out where inside bead are crushed by bead hammer unit and out side are polished by a polishing belt. After calibration to the correct size, tubes are cut online and then send to further operations like solution annealing, finishing operations, pickling, inspections, marking and despatch.



Bright Annealing

We have bright annealing gas fired furnace which is run by protective atmosphere of cracked ammonia. Brightness of the tubes largely depend upon atmosphere prevailing in side furnace, due point and Oxygen content.

We have to provide due point meter oxygen analyzer for measurement of dryness of crack ammonia and oxygen content.

By bright annealing tubes get excellent finish and uniform core properties in entire tube length.



Heat Treatment (Solution Annealing)

After each process of manufacturing tubes & pipes are subjected to heat treatment in a continuous annealing furnace at the specified temperatures as per grade of materials and followed by rapidly quenching as per the grade to prevent carbide formation.

Solution Annealing Ensure :

Homogenous structure for optimum Inter - Granular Corrosion (IGC) resistance.

Removal of residual stresses developed during the cold process.

Improve ductility and softness for further process.

Transformation of weld and heat affected zone to homogenous austenitic structure.





Straightening

This is the non destructive test carried out to detect the surface defects, Pin holes inside and outsides of the tubes & pipes.



Hardness Testing

Hardness testing is carried out to measure hardness of finish tubes & pipes.



Hydrostatic Test

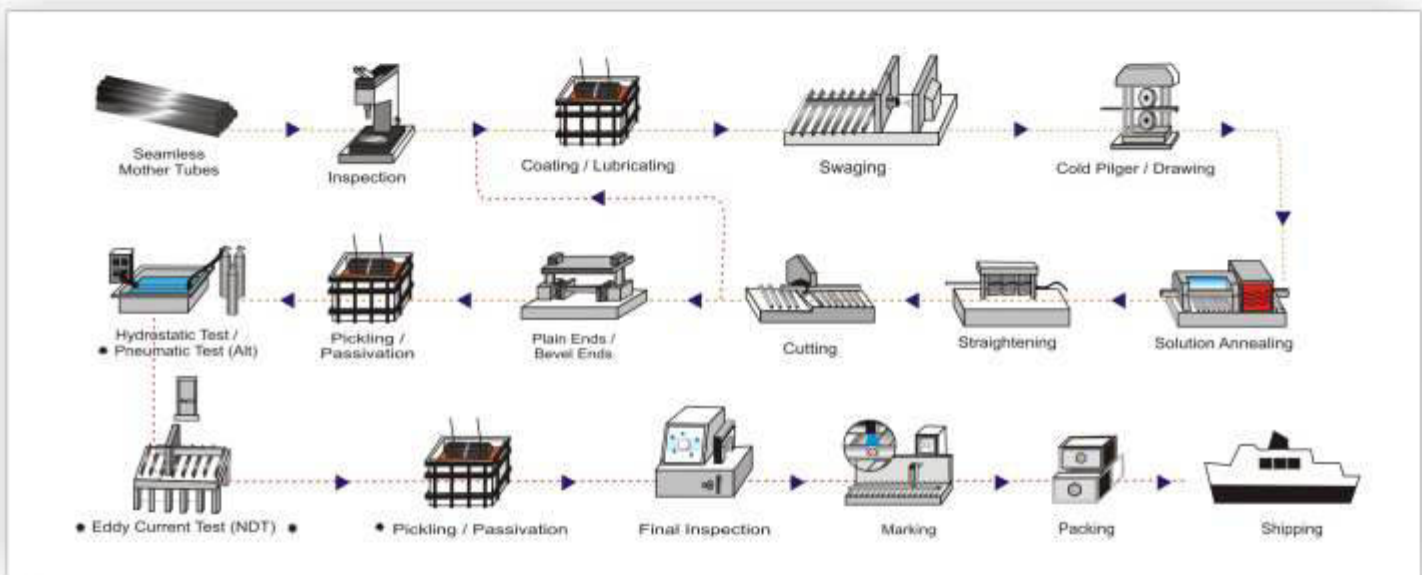
100% Hydro test we are carried out for finish tubes & pipes to check any leakage under elevated under hydraulic water pressure as per specification and customer requirements.



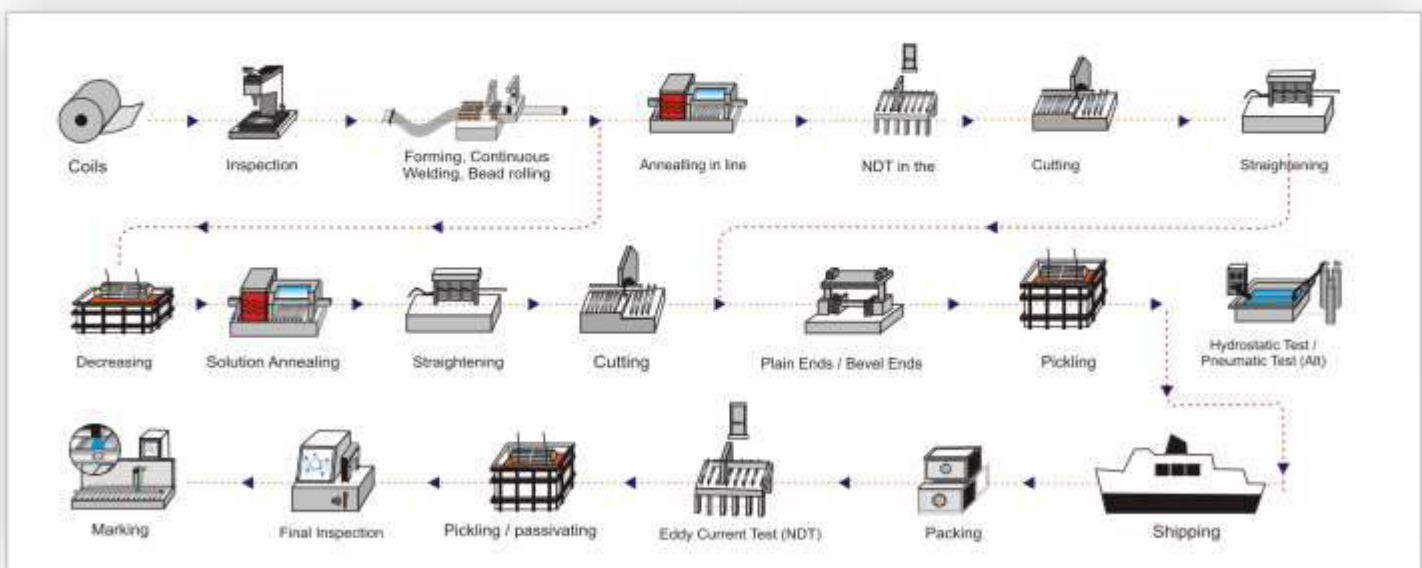
Tensile Test

This is the destructive test carried out to measured mechanical properties of finish products.

• Process of Seamless Stainless Steel Tube / Pipe



• Process of Welded Stainless Steel Tube / Pipe





We are one of the leading Manufacturers, Importers and Suppliers of Stainless Steel, Carbon Steel & Alloy Steel in the shape of Pipes, Tubes, Rods, Sheets, plates, Wires, Angles, Coils, Strips and the entire range of Pipe fittings in the following grades of materials.

Product Range

Stainless Steel:

ASTM A-213, A-269, A-312, A-358, A-350, A-240, A-479, TP-304, 304L, 304H, 316, 316L, 316H, 316TI 317, 317L, 321, 347, 309, 309S, 310, 310S, 409, 410 etc in all required size & specifications.

Carbon Steel:

ASTM A-106 GR. A, B & C, A-333 GR. I & 6, A-53 GR. A & B, ASTM A-210 GR. A-1, BS 3059 Part I & II, SA 179, IS 1239, IS 3589 GR. Light(A), Medium(B), Heavy(C) etc. in all shapes and sizes.

Alloy Steel:

ASTM A-335 GR.P1, P5, P9, P11, P12, P22 etc. ASTM A-387 GR. 515/516 GR. 55,60, 65,70 & IS 2002, EN SERIES, OHNS, SAE 8620 etc in all shapes and sizes.

Nickel Alloys:

Nickel, Monel, Inconel, Hastalloy, Titanium, Tantalum etc.

Non-Ferrous:

Copper, Cupro-Nickel, Brass, Bronze, Phosphorus Bronze, Bismuth, Cadmium, Cobalt, Bi-Metal, White Metals Aluminium, Lead, Zinc etc.



Pipe-Fittings: BW/SW/SRD/ Forged & Compression type with ferrules such as Elbow, Tees, Reducers, Stubends, Flanges, Union, Caps, Nipples, Coupling, Elbowlets, Weldolets, Nuts, Bolts, Studs, Washers, Valves & Gaskets etc. as per ASTM. A-105, A-181, A182, A-194, A-234, WPB, A 23WP, A-350 LF, A-403 WP, A-120, WPL and dimension ANSI B-36.10, B36.90, B16.5, B-16.9, B-16.11 & B-16.18 etc.

Flanges : Weld Neck, Slip-On (SORF) / Blind (BLRF), Threaded, Lap Joint, Socket Weld, Oriface, Long Neck, Spectacle Blind, Dummy Flange, Backing Flange etc.

Ferrule Fittings: Single ferrule, Double ferrule in the shape of Connector Union, Reducing-Union, Union Tee, Union Elbow, Bulk head Union Cross etc.

Fasteners: Stainless steel / High tensile Hex, Head, Bolts & Nuts, Nyloc Nuts, U Clamps, Anchors, Lugs, Steel Metal Screws, Machine Screws, Philips Screws & Semi Tubular Rivets, Non-magnetic, Non-corrosive conforming to BS, IS & DIN standards.



Product Speciality

- Available Carbon Steel / Alloy Steel Seamless Pipes In Special Wall Thickness & Large Diameter Range Upto 48" Dia.



We are Import Stockists, maintaining huge stocks of Carbon steel / Alloy Steel Seamless, High Pressure Seamless, Boiler Tubes, Hydraulic Steam Seamless Tubes/Pipes of various reputed brands like: MANNESMANN, SUMITOMO, HAITAI, HUABAO, BABCOCK & WILCOX, PETROTUB, P.A., PRODUCTOS TUBULARES, NIPPON, N.N.K., TUBACEX etc.

In the grade of ASTM A106 GR. B., ASTM A53 Gr. B, ASTM A335-P-1, P-2, P-5, P-9, P-11, P-12, P-22, ASTM A333 GR. 6, ASTM A 210 Gr. A1, ASTM A213-T-22, ASTM A209-T-1, API 5L GR. B., IS-1239, IS-3589, BS 3059-Part-I/II at the most competitive prices along with Manufacturer's Test Certificate. (M.T.C.)

- Carbon Steel Welded & Seamless Tubes / Pipes

We have a large scale unit engaged in stocking and exporting seamless & welded carbon steel, pipes, tubes and Electro galvanized steel / tubes / pipes. We supply for engineering purpose, ERW, SAW, Spiral pipes for water, gas & sewage, carbon steel tubes for idlers of belt conveyors, water welts and lancing pipes for various automotive & industrial applications.

Size Range	: 21.3 mm to 1219.2 mm
Thickness	: 3.0 mm to 120 mm
Length	: Single Random Length as 4 to 7 Mtrs. and double random length as 10 - 12 Mtrs.
Conditions	: Hot Finish / Cold Finish, Heat Treated & Stress Relived, Bright Annealing.
Grades	: Carbon Steel / Alloy Steel

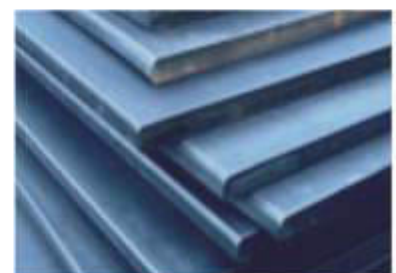


- Abrasion Resistant Plates, High Tensile Plates, Boiler Quality Plates in Complete range Upto 120 mm Thickness.

ABRASION RESISTANT PLATES

(AR Steel Plate) with superior forming, welding and wear characteristic. This steel, plate, with it's high Brinell Hardness (BHN) rating, is particularly suited to the mining equipments, earth moving equipment, are and processing, road target backstop and trap application.

400 Brinell Wear Resistant Steels - Hardox 400
500 Brinell Wear Resistant Steels - Hardox 500
700 High Strengthened Steels - Weldox 700



Quality Policy

We are committed to continuously upgrade our knowledge and skills to maximise efficiency of the organisation and strive for improving quality of our product's is the prime quality policy at PUSHPAK

We will assure quality of our products by keeping the requirement of customers as the consideration and by perfecting our systems and procedures through involvement of our employees.

Our Continuing success is no secret. We insist on :

- Top Quality Material.
- Continuous Development and maintenance of our production facilities.
- Support and finishing equipment to world class standards.
- Dedicated, motivated and empowered production operators.
- Stringent quality control, up to and exceeding ISO 9002 standards.

Quality people, Quality manufacturing and Quality service... result in quality products in the Right Place at the Right Time & Price.

S.M. Bhansali
Chairman



The Quality Assurance Programme goes through major monitoring stages like :



Quality Testing

"Customer Satisfaction is our Goal. We will strive to deliver error-free, Competitive, High Quality Products and Services on time to meet & exceed our customer's expectations.

Additional Testing & Services

Positive Material Identification (PMI)

IGC Practice 'E'

NACE MR 0175

Impact Test as per UG 84

Hydro Testing

Micro Testing

Micro Structure Analysis

Ultrasonic Test, Spot Radiography, Eddy Current Testing

Normalizing, Tempering, Hardening, Stress Relieving etc.

Sulphide Stress Cracking Test (SSC)

Hydrogen Services (H²), Cryogenic Services (CRYO)

Hydrogen Induce Cracking Test (HIC)

Post Weld Heat Treatment (PWNT)

Dye Penetration Test (DP), Magnetic Particle Test (MP)

Helium Leak Test for S. S. Pipes

Cutting & Beveling

- MATERIAL CONTROL
- PROCESS CONTROL
- DIMENSIONAL CONTROL
- MANPOWER CONTROL
- INPROCESS CONTROL
- PRODUCT TESTING
- CERTIFICATION
- SUPPLEMENTARY TEST

Our Few Valued Clientele



Larsen & Toubro Ltd.

- L&T Ltd., ECC Div. (New Delhi & Chennai)
- L&T Ltd., Kansbahal Works, Kansbahal (Orissa)
- L&T Ltd., Hazira Works, Surat (Guj.)
- L&T Ltd., Nashik Glass Works, Nashik (Mah.)
- L&T Ltd., Gujarat Cement Works, Rajulacity (Guj.)

- L&T Ltd., Hirmi Cement Works, Hirmi (C.G)
- L&T Ltd., Awarpur Cement Works, Chandrapur (Mah.)
- L&T Niro Ltd., Ranoli, Baroda (Guj.)
- L&T Case Equipments Ltd., Pithmapur Works, Pithmapur (M.P)
- L&T-HPL Cogeneration Ltd., Haldia (W.B.)



- Panipat Refinery
- Mathura Refinery



- IBP Co. Ltd.



- Gail India Ltd.



- MRPL Ltd.



- Reliance Industries Ltd



- TATA Chemicals Ltd.
- TISCO
- Telco
- TRF Ltd.
- Rallis India Ltd.



- Grasim Industries Ltd.
- Hindalco Industries Ltd.
- Vikram Woollens Ltd.
- Aditya Birla Insulators Ltd.
- Samruddhi Cement Ltd.



- Balco Ltd.
- Hindustan Zinc Ltd. - Z.M
- Hindustan Zinc Ltd. - R.D.M



- Godrej Consumer Products Ltd.



- Hindustan Unilever Ltd.



- Andritz Hydro (India) Ltd.



- Emami Group



- Haldia Petrochemicals Ltd.



- Dhunseri Petrochem & Tea Ltd.



- Tamilnadu Petroproducts Ltd.



- National Fertilizers Ltd.



- HEG Ltd.



- CUMI Ltd.



- Jindal Strips Ltd.



- Ispat Industries Ltd.



- Godavari Power & Ispat Ltd.



- Punjab Lloyds Ltd.



- Saint-Gobain Glass Ltd.



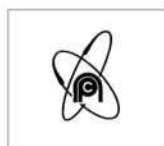
- Raymond Ltd.



- Alstom Ltd.



- K.S.T.P.S. (Korba)
- V.S.T.P.P.C. (Sidhi)
- F.G.P.P. (Faridabad)



- Nuclear Power Corp. of India Ltd.



- ISGEC Ltd.



- Ranbaxy Laboratories Ltd.



- Nicholas Piramal India Ltd.

Some of our 

**Few Third Party Inspection Agencies,
Who have inspected our materials**

- 1) M/s. Bureau Veritas Industrial Services India Pvt. Ltd.
- 2) M/s. Projects & Development India Ltd.
- 3) M/s. TUV SUD India Ltd.
- 4) M/s. Det Norske Veritas
- 5) M/s. Bhabha Atomic Research Center
- 6) M/s. Nuclear Power Corp. of India Ltd.
- 7) M/s. IDEA
- 8) M/s. Industrial Quality Circles Pvt. Ltd.
- 9) M/s. Offshore Testing & Inspection Services (I) Pvt. Ltd.
- 10) M/s. Dalal Consultants & Engineers Ltd.
- 11) M/s. National Thermal Power Corp. Ltd.
- 12) M/s. Velosi Certification Services(I) Pvt. Ltd.
- 13) M/s. PROFEN-Engineering Services Pvt. Ltd.
- 14) M/s. Ministry of Defence

- BVIS
- PDIL
- TUV SUD
- DNV
- BARC
- NPCIL
- IDEA
- IQC
- OTIS
- DCEL
- NTPC
- VELOSI
- PROFEN
- DEFENCE



PUSHPAK STEEL & ENGINEERING CO.

An ISO 9001 : 2000 CERTIFIED COMPANY

Manufacturers of:

Stainless Steel ERW Tubes, Pipes & Pipe Fittings.

Importers, Exporters & Stockists of :

Carbon Steel / Stainless Steel / Alloy Steel / Nickel Base Alloys
Seamless / ERW Pipes, Coil / Sheets / Plates,
Complete Range of Pipe Fittings & Flanges.

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www.pushpaksteel.com

Quality Grows from our Commitment to Improvement