



# **DYNAMIC**

**TUBES & SECTIONS Pvt. Ltd.**

#### **CORPORATE OFFICE :**

#414-106/7, Ground Floor,  
B.T.F.T. Complex, NH-7, KIA Road (Bellary Road),  
Bengaluru - 560092, Karnataka, India.

#### **FACTORY :**

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## MESSAGE FROM

Managing Director



**Ravishankar T.P.**

BE., M.Tech (Strucs)  
Managing Director

## Welcome

The Iron and Steel Industry is one of the most important fundamental sectors of the economy of country, one of the significant indicators of the economic power and comprehensive strength. Not only does it make enormous contributors to construction and development but it fully meets the demands brought about by the rapid economic and social growth. The industry plays an irreplaceable and crucially important role in overall technological innovation and up gradation. It is vital in promoting employment and boosting economic prosperity, and serves as the pillar of economic development and social stability.

Dynamic Tubes and Sections (DTS) is continuously evolving. Over the years, we have built on technology! We have patiently and persistently worked finding innovative solutions in building business in a sustainable manner. We feel proud to say, DTS has earned its rightful place amongst a select group of steel creators with a strong presence in the entire spectrum of steel value chain, in long products.

The future is challenging. The consumption of steel, a key ingredient in several industries such as construction, infrastructure, automobiles and consumer goods, is expected to rise. I believe, DTS will emerge on a strong footing, through a series of management initiatives targeted at strengthening our core operations including investment in select facilities, product rationalizations and right-sizing of manufacturing assets. We are now more flexible, proactive and resilient enough to adapt to changes and emerge efficiently, capable of coping with all challenges. The coming year will take us future ahead to achieving this and other goals.

## VISION

*To become one of the largest and best quality producer with latest technological knowhow.*

## MISSION

*Our mission is to be a passionate on business leadership, would thrive always to be ahead of competition and in establishing best practices for delivering quality products.*



## ABOUT US

Dynamic Tubes and Sections is one of the company added to manufacturing sector in Karnataka state and also distributors and suppliers for domestic and interstate market. DTS presently planned to manufacture quality Mild Steel / Carbon Steel ERW Black and pre-coated Tubes Since 2018.

And also facilitators for PEB Structures erection with its state-of-art manufacturing facilities with quality testing equipments, adopting latest technology and laboratory facility as per IS standards.

Dynamic Tubes & Sections being manufacturer & supplier of Steel Tubes and Sections to various engineering applications like frames & shafts, steel pipes for bicycle frame, steel furniture industry, steel sections and tubes for various structural purpose, water supply, automobile industry, irrigation and agriculture sectors.



We have very wide range of steel pipes and tubes products. We manufacture steel tubes and sections in various shapes and size such as square, round & rectangular with the thickness ranging from 1.6 mm to 4.9 mm., having length cut to size ranging from 4 mts to 6.5 mts.

The distinctive characteristics of DTS's philosophy and growth strategy that have set DTS ahead of its competitors are:

- \* Acquire and assimilate world class manufacturing technology.
- \* Strict adherence to quality standards.
- \* Rigorous application of metallurgical analysis and statistical process control techniques to ensure zero product nonconformity.
- \* Offer superior customer service for customer delight.
- \* Customer focus – every customer is considered as the most important partner in the supply chain focusing not only on product aspects but also on ways and means to minimize their inventory costs.



We consider our associates as long term partners in progress, be fair and transparent in our dealings with them and always honour our commitments.

Dynamic Tubes and Sections brings the latest modern manufacturing technology. Automatic control of voltage stabilising and other electrical parameters so that no fluctuation of heat/voltage/current takes place irrespective of the speed/thickness, thereby yielding uniform bead inside the pipe and no friction loss. All pipes are subjected to all required physical and chemical tests before reaching to customer. The company has a well-maintained laboratory with provisions for offline testing at different stages of production.



## PRODUCTS AND APPLICATIONS

Manufacturing of round steel tubes and square and rectangular section from H.R / C.R pre-coated galvanized coils starting from 25.40mm OD to 114.30mm OD thickness ranging from 1.60mm to 4.90mm. These pipes will be used for water, gas steam, air, and fire fighting HV-AC, construction, automobiles, bicycles and general engineering industries

Steel pipes and tubes can be used for many purposes such as steel pipes for frames and shafts, steel pipes for bicycle frames, steel pipes for furnitures, steel pipes for various structural purposes, steel pipes for various engineering purposes etc. We have a very wide range of steel pipes and tubes products. The lengths of the steel pipes & tubes range from 4m to 6.5m unless otherwise specified by the customers. We manufacture steel pipes and tubes in various shapes and size such square, round, rectangular.

And details of the products as per table given below

**Table - I**

SPECIFICATION FOR MILD STEEL TUBES & TUBULARS CONFORMING TO IS - 1239 (PART-1):1990										
Nominal. bore (NB)		Class	Outside diameter		Thickness	SWG	Mass Of Black Tube		Black plain End	
mm	inches		MAX	MIN			Plain End	S&S	Mtrs/ton	Ft/Ton
mm	inches		mm	mm	mm		Kg/m	Kg/m		
15	(1/2")	L	21.40	21.00	2.00	14	0.947	0.956	1056	3465
		M	21.80	21.00	2.60	12	1.21	1.22	826	2710
		H	21.80	21.00	3.20	10	1.44	1.45	694	2277
20	(3/4")	L	26.90	26.40	2.30	13	1.38	1.39	725	2379
		M	27.30	26.50	2.60	12	1.56	1.57	641	2103
		H	27.30	26.50	3.20	10	1.87	1.88	535	1755
25	(1")	L	33.80	33.20	2.60	12	2.54	2.57	394	1657
		M	34.20	33.30	3.20	10	3.10	3.13	323	1367
		H	34.20	33.30	4.00	8	3.79	3.82	264	1119
32	(1 1/4")	L	42.50	41.90	2.60	12	2.54	2.57	394	1293
		M	42.90	42.00	3.20	10	3.10	3.13	323	1060
		H	42.90	42.00	4.00	8	3.79	3.82	264	866
40	(1 1/2")	L	48.40	47.80	2.90	11	3.23	3.27	310	1017
		M	48.80	47.90	3.20	10	3.56	3.60	281	922
		H	48.80	47.90	4.00	8	4.37	4.41	229	751
50	(2")	L	60.20	59.60	2.90	11	4.08	4.15	245	804
		M	60.80	59.70	3.60	9	5.03	5.10	199	656
		H	60.80	59.70	4.50	7	6.19	6.26	166	531
65	(2 1/2")	L	76.00	75.20	3.20	10	5.71	5.83	175	574
		M	76.60	75.30	3.60	9	6.42	6.54	156	512
		L	76.60	75.30	4.50	7	7.93	8.05	126	413
80	(3")	L	88.70	87.90	3.20	10	6.72	6.89	149	489
		M	89.50	88.00	4.00	8	8.36	8.54	120	394
		H	89.50	88.00	4.80	6	9.90	8.05	101	331
100	(4")	L	113.90	113.00	3.60	9	9.75	10.00	103	338
		M	115.00	113.10	4.50	7	12.20	12.50	82	269
		H	115.00	113.10	5.40	5	14.50	14.80	69	226

**Tolerance :**

Thickness : light : + Not Limited – 8%  
Medium & heavy : + Not Limited – 10 %

**Length:**

Light – medium – Heavy Tubes : Random length of 4 to 7 mtrs or as specified by the Customers.

**Thickness :**

Between 1.60 mm to 4.90 mm range as per size and grading.



## QUALITY

We are committed to produce and provide steel based products and associated services for our customers at all the time. We strive to achieve excellence in the Quality of manufactured products and the Services provided to Customers. Our endeavour is to create a working environment where motivated employees communicate freely and where innovation is encouraged, to enable continual improvement in all areas. All our employees work together to achieve "Complete Customer Satisfaction through Total Quality Management".

The company works hard to maintain the quality of its products and at every stage of its production has meticulous checks, tests and controls. A large and dedicated quality-control team spends all its time and effort in making sure that the products are of the highest grade.



## INFRASTRUCTURE

Dynamic Tubes & Sections Pvt Ltd., has its state-of-the-art manufacturing plot at Palavvanahalli, around 8 km from Chitradurga Town on National Highway NH-4 (Chitradurga-Bangalore Highway). Having approximately 5.0 acres of Industrial converted Land with all the necessary permissions including Pollution Control Board. The factory building equipped with all the latest machines and sophisticated lab testing equipments, having good source of water and creating green environment for the pollution free production. We have a very high precession weight bridge for products weighment at all stages and quality for raw materials and finished products. The factory has all security measures as per by laws stipulated by inchesty and commerce.



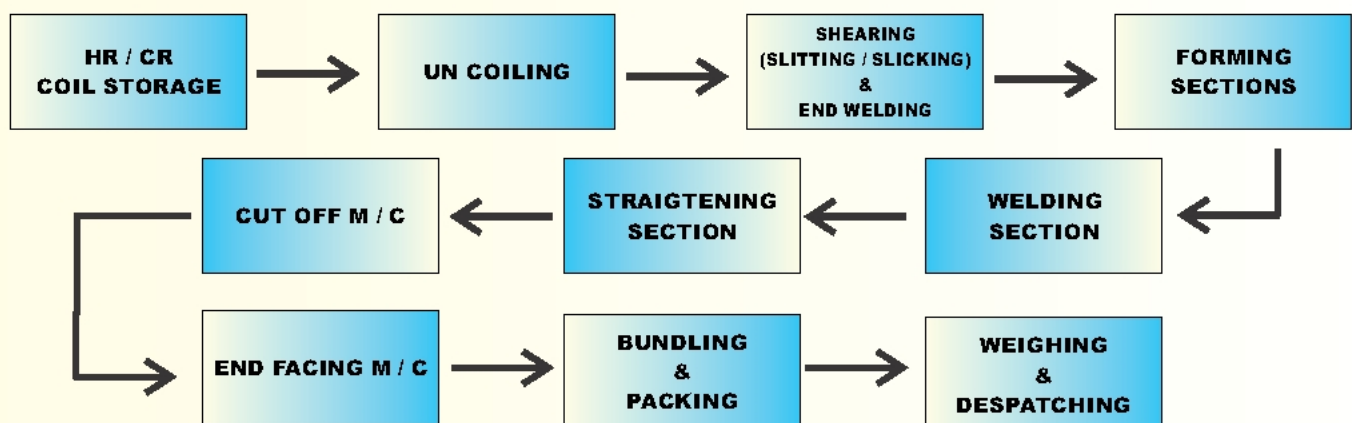


## PROCESS & TECHNICAL DATA

The basic raw material for manufacturing of pipes is HR Coils. After receiving the raw material in Coil shape these are slitted into various widths according to requirements of Pipe Dia at Slitting machine.

After slitting the slitted coil is loaded on the un coiler and stored in accumulator to enable the continuous running of the mill while tail end of slit is welded with the leading end of next coil with the help of MIG welding. The strip is passed through a set of rolls to get the shape and the outer edges of strip are heated by high frequency induction coil. Outside flash of welding is removed with the help of round tool (Scarfig tool) so as to give better finish. The welded tube is again passed through a set of rolls to get the specified tolerances on outside Diameter. Inside flash of weld can also be removed if required by the customer above 75mm outside Diameter. Our product Range is from 10.00mm NB to 200mm NB. After the pipes are made these are cut into the Required lengths with Programming Logistic Controls (PLC). After cutting the pipes the pipes are sent together to De burring machine for removal of burr at the end to avoid any injury to the workmen.

After removal of Burr each pipe is Hydraulically tested to check the leakage in the pipe. Various tests according to specifications are carried out at the shop floor itself. 2 After hydraulic testing of pipes at 51kg/cm or as per customer requirement, the pipes are sent for galvanizing process to avoid the rusting on the surface if required by the customer. The pipes are dipped in Hydro Chloric acid to remove the rust from the surface. After cleaning the surface the pipe is washed in running water. After washing the pipe is dipped in flux solution to maintain adherent property of zinc on pipe. The pipes are dipped in a molten zinc Bath at a o temperature of 450 C to get the proper adherent Coating. After Galvanizing the pipes are sent for threading wherever it is required. The threading is done on the highly sophisticated machines to have the best threading to avoid any leakage on threads while laying in the use. After threading each pipe is marked with the series paint as required by BIS and bundled for dispatch.





## MARKETING & DISTRIBUTING

The prospects of the Industry is very bright and the product manufactured is required in almost all area Engineering applications and it has go wide market particularly in Construction industry, Automobile Industry, Structural Fabrication Industry, Furniture Industry and Miscellaneous applications. And we are planning to set up 2nd Unit within the same premises for the next 2 years. Due to the fact that the Location of the Unit is in Industrial Backward area all the concessions/benefits and financial assistance, tax sops etc., will be available and cost of the production will be reduced.



The Unit proposed to carry out Marketing and Selling Arrangements directly to the Engineering products Manufacturers, Traders and End Users on its own by way of setting up strong and reliable marketing division/department within the organization. And with regard to competition from similar units/factories it will be met by way strong focus on quality, precision, prompt delivery and service to the Customers/End users. The Unit has got the potential of producing and selling of the finished products measuring about 21000 Metric Tonnes per year capacity with the monetary value of not less than Rs. 120 Crores per annum with the proposed installed capacity of one Facility Unit.







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