



## INTRODUCTION

We introduce ours is a leading foundry situated at Bakrol, Bajrang-Dhamatvan road, Ahmedabad, Gujarat (India) manufacturing and supplying Sand castings in As cast / Proof machined / Fully machined condition as per customer's Specification / Drawing / Design / Samples having Annual capacity of 1000 MT.

We have been supplying castings to various industries such as Valves & Pumps, Mining, Earth moving, Road equipments, Power plants, Engineering Ind. Etc. in various material grades of *Carbon Steel, Alloy Steel, Stainless steel, Heat Resistance Steel, Super Duplex Steel & Nickel alloys, Copper Alloys etc.* under various Third party inspection agencies such as IBR, Lloyd's, PDIL, NPCL, TUV, UDHE, DNV, ABS, IRS.

We do have our own pattern shop and shall be able to develop wooden/metallic patterns also as per your drg./samples/requirements. We do fix up most of our customer's patterns on Match-plate with all necessary prefixed accessories to achieve better productivity, quality and at the top consistency.

We shall be able to manufacture and supply castings meeting with international quality standards along with necessary tests like RADIOGRAPHY, MPI, DPT, ULTRASONIC test etc.

We would like to inform you that, we can also develop machining (If reqd. to be supplied in fully/partial machined castings) of Valve castings as have been regularly supplying fully machined components to few of our customers.

Our MD has got vast experience (more than 32 years) of development of various types of abrasive material grade castings being used in Earth moving equipment, Marine application castings, Defence application castings, Cement plants, Crusher machines and many more such industries for domestic as well as for Exports- Leading manufacturers like TYCO-W.Australia, SAPAG -france, HOPKINSON -UK, ARMATURY-Czech republic, STALKER PUMPS-W.australia), SANDVIK-finland.

Development of the different parts was executed Right from pattern making to Finish machining (Ready to assemble) to the customer's desired satisfactory quality level.

Our team comprise of highly qualified & experienced Technocrats having gathered good amount of knowledge with practical work experience which is being used to supply better quality material with the acceptable supportive parameters like Delivery and prize to our valued customers.

Apart from above all, We upgrade our Know-how, expertise and knowledge base with latest advancement on Technology for the customer beneficitation.

We enclose our COMPANY PROFILE with all the details such as Plant & Machinery, Testing facilities and list of few of our valued customer for your reference.



# Taurus Technocast

MFG. : FERROUS & NON FERROUS CASTINGS

Plot # 5, Gopal Industrial Estate,  
Bajrang-Dhamatvan Road, Bakrol, Ahmedabad-382435.  
Email :- TAURUSTECHNOCAST@GMAIL.COM

ORGANIZATION DETAILS	
NAME	TAURUS TECHNOCAST
ADDRESS	PLOT NO. 05, GOPAL INDUSTRIAL ESTATE, OPP. TIRTHBHOO MI ESTATE, BAJRANG-DHAMATWAN ROAD, BAKROL, AHMEDABAD – 382 213, GUJARAT, INDIA.
PHONE NOS.	+919998821766
LANDLINE NO.	
EMAIL ID	<a href="mailto:TAURUSTECHNOCAST@GMAIL.COM">TAURUSTECHNOCAST@GMAIL.COM</a>
WEB ADDRESS	<a href="http://WWW.TAURUSTECHNOCAST.COM">WWW.TAURUSTECHNOCAST.COM</a>
CAPACITY	1000 MT PER ANNUM AND SINGLE PIECE WEIGHT OF MAX. 1250 KGS.
OUR GST NO.	24ADJPB1302JZ6
OUR PAN NO.	ADJPB1302J
OUR BANK NAME	HDFC BANK LTD.
BANK ADDRESS	VEJALPUR BRANCH, AHMEDABAD-380 015
BANK A/C NO. & TYPE	50200029709350 (CURRENT)
RTGS / IFSC CODE	HDFC0000048

## SCOPE OF WORK

We have expertise to handle various types of valves and pump categories and also other Engineering components to be supplied in As cast / proof machined/ finish machined condition as per the Indian & International quality standards and customer quality requirements:

General Engineering Items	CRUSHER JAW PLATES	ISO CORNER BLOCKS
HAMMERS	WEAR PLATES	High pressure Manifold fittings
BLOW BARS	ANVILS	BULL RING SEGMENTS
GRIZZLY BARS	LINERS	SEAL RINGS
THROAT RINGS	GRATE PLATES	JAW CRUSHER PLATES
IMMERSION TUBES	CONVENTIONAL SHOE PLATES	ROLLERS

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## Material Grade Specification :

We shall provide castings as per the customer's requirements and Indian / overseas standards.

We shall achieve the customer's satisfaction by continual improvement of the quality management system in accordance with the ISO-9001: 2015 guidelines.

Following grades as per Indian / overseas standards are being manufactured:

GRADES/ALLOYS BEING MANUFACTURED		
SR. NO.	SPECIFICATION	GRADES
1	ASTM A-216 (CARBON STEEL)	WCA, WCB, WCC
2	ASTM A-217 (ALLOY STEEL)	WC5, WC6, WC9, C5, C12, CA-15
3	ASTM A- 351 (STAINLESS STEEL)	CF3, CF3M, CF8, CF8M, CF8C, CG3M, CG8M, CN7M , 17/4 PH
4	ASTM A-352 (LOW-ALLOY STEEL)	LCA, LCB, LCC, LC3, LC4, LC9, CA6NM
5	ASTM A-494 (NICKEL ALLOYS)	M30C (MONEL), N12MV (HASTELLOY-B), CW12MW (HASTELLOY-C), R 55
6	ASTM A-890 (SUPER DUPLEX STEEL)	1A (CD4MCU), 4A, 5A
7	BS: 4844/ASTM A-532	HIGH CHROME IRON
8	ALLOY CAST IRON	NI HARD , NI RESIST D2
9	HEAT RESISTANCE STEEL	HRCs GRADES
10	IS:276 MANGANESE STEEL	GRADE 1, 3 & 7



PRODUCTION FACILITIES		
Sr. no.	Dept. / Area	List of Machinery
1	Melting	<ul style="list-style-type: none"> <li>• Medium frequency Induction melting furnace with two crucibles.</li> <li>• Water softening plant for generating soft water to circulate within copper coils of furnace.</li> <li>• Immersion type Pyrometer for Temperature measurement of Liquid metal.</li> </ul>
2	Moulding & Core (Co <sub>2</sub> , No-bake, Single part)	<ul style="list-style-type: none"> <li>• Mould Sand preparation mixers &amp; mullers – 02 nos. each of 300 kg capacity.</li> <li>• Core sand Preparation high speed intensive bowl Mixer – 01 no. with 200 kg capacity.</li> <li>• Co<sub>2</sub> Gas Manifold – 01 no.</li> <li>• Mould boxes from 300 mm to 1200 mm.</li> <li>• Pneumatic rammers for sand ramming.</li> <li>• Air-compressor with capacity of 32 CFM air supply for pneumatic tools.</li> </ul>
3	Pattern Shop	<ul style="list-style-type: none"> <li>• <b>Having our own well equipped pattern shop</b> with all major necessary wood processing machines like wood band saw cutter, Thickness with Surface planner, Bench grinder, Lathe m/c &amp; Drill, Lathe etc. where can make all Wooden, Aluminum, Gun-metal, Shell moulding patterns from your drg./design/sample etc.</li> <li>• Proper storage of patterns to maintain the condition of the valuable customer patterns.</li> </ul>
4	Knock-out	Pneumatic chisel for easy sand removal also Mechanized Knock-out is already ordered
5	Fettling	<ul style="list-style-type: none"> <li>• Swing Frame grinder (16"x2.5")– 02 nos.</li> <li>• Flexible shaft grinders with various attachments – 08 nos.</li> <li>• Gas cutting accessories / IGBT based welding &amp; Electric Arc cutting machine of 600 AMPS.</li> <li>• Heat-treatment – In house with <b>computerized control</b> (Time-Temp chart) which is suitable to perform H/t of majority of Ferrous grades.</li> <li>• Shot blasting – 48" size Turn table double door shot blast machine suitable to do shot blast for the daily produced castings.</li> </ul>
6	Material Handling	<ul style="list-style-type: none"> <li>• EOT crane of 3 TONS in production area</li> <li>• Hydraulic trolley crane of 1 TONS for Fettling area</li> </ul>
7	ERP software	We are using Foundry Customized complete software for the ease of production operations with all required modules like <b>STORES, PURCHASE, PATTERNS, PRODUCTION, TESTING, DISPATCH</b> etc.



QUALITY CONTROL / TESTING FACILITIES		
1	Chemical Analysis	In house- Complete set-up for chemical analysis of daily produced heats with <i>Spectrometer latest model SPECTROMAXx-F imported from Germany with 28 channels with Fe -base &amp; Nickel base</i> program.
2	Tensile & Bend testing	Universal testing machine of capacity 20 tons (UTN-20) is calibrated under LLOYD'S/NABL for checking Tensile, Elongation, Yield stress & R.A. for taken everyday heat samples.
3	Hardness testing	'SMS' make Hardness testing machine suitable to perform the test as per Brinell and Rockwell.
4	NDT testing	<ul style="list-style-type: none"><li>• In-house Dye- Penetrant &amp; Magnetic particle testing facilities.</li><li>• Radiography &amp; Ultrasonic testing from the any reputed outside lab. Located very nearby.</li></ul>
5	Sand testing	<ul style="list-style-type: none"><li>• Acid test is being conducted for checking carbonate contamination.</li><li>• Strength and Hardness is being checked.</li></ul>
6	Inspection	All necessary instruments required for casting inspection like - Marking plate, Height gauge- 24", Vernier-8"to24", Dial vernier, Digital vernier, Combination set, Radius gauge, Inside- outside calipers etc.

For, Taurus Technocast



Mr. J. B. Bhatt (Director)