

# **TECHNOCAST FOUNDRY**

## **COMPANY PROFILE**

**Cast Iron Foundry**  
**Makers of SG (Ductile Iron), Grey Iron & Ni Hard castings**



# **TECHNOCAST FOUNDRY**

**127/3B, Sangothipalayam Road, Arasur,  
Coimbatore-641 407 TAMILNADU – INDIA**  
**Tel: + 91 422 2361000 Fax : + 91 422 2361050**  
**Mail: [technocast@vsnl.net](mailto:technocast@vsnl.net) Web: [www.castingsindia.com](http://www.castingsindia.com)**

## Introduction

**Technocast Foundry (TCF)** was formed in the year 2002. **TCF** is based at Coimbatore – South India. **TCF** started with a capacity of 100 Tonnes / month and has now expanded to a capacity of **600 tonnes / month** in the year 2007. About 70% of our produce is exported. Value wise **TCF** achieves a sales turnover of **INR 250 million** (Indian Rupees). **TCF** is an **ISO 9001:2000** certified company.

### We supply the following grades in Cast Iron family

- **Cast Iron** – CI Gr.20, CI Gr.25, CI Gr.30
- **S.G Iron / Ductile Iron** – 400/12, 500/7, 550/6, 600/3, 700/2
- **Ni-Hard** – Type I, Type II, Type III, Type IV

We supply rough and finish machined castings.

### Our business expansion plan for the coming two years (2007 & 2008):

- Full fledged In house machined shop with CNC machining supported by conventional machines.
- DISA - ARPA 900 moulding machines for heavy moulding.
- A 2 Tons/hr capacity tri-track Induction Furnace for increasing our melting capacity from 600 Tons to 1000 Tons/ Month.
- ERP system for efficient and on line system control.
- QS 9000 systems aiming at high levels of Quality Assurance.
- Vectra Form machine for inspection of the patterns/moulds.
- Over head mono rail system for molten metal pouring using ladles.

## Our objective

Our objective is to **ensure maximum value addition** to our customers by supplying **quality products on time**. We cater to the specific needs of global clients who are in **diversified industrial sectors**.

## Company Data

1. Name of the firm : **Technocast Foundry**
2. Office / Works : 127/3 B, Sengothipalayam,  
Arasur,  
Coimbatore – 641 407,  
Tamil Nadu, India  
[www.castingsindia.com](http://www.castingsindia.com)
3. Type of company : Partnership establishment
4. Contact person : **Mr. T. Kamalakannan**  
Managing Partner  
Mobile (HP): + 91 98422 22998  
E Mail: [technocast@vsnl.net](mailto:technocast@vsnl.net)
5. Field of activity : Manufacture & supply of castings
6. Year of establishment : 2002
7. Number of employees : 150
8. Quality Certification : ISO 9001:2000  
Certified by TuV (Sud)  
Valid till 08 – 08 – 2008
9. Working Hours : Office : 9:00 am to 6:00 pm  
Factory: 3 shifts (24 hours)  
Office / Factory: Sundays Holidays

## **Casting / Application / Market**

### 1. Casting grades

<b>Cast Iron</b>	:	CI Gr.20, CI Gr.25, CI Gr.30
<b>S.G Iron / Ductile Iron</b>	:	400/12, 500/7, 550/6, 600/3, 700/2
<b>Ni-Hard</b>	:	Type I, Type II, Type III, Type IV
<b>According to standards</b>	:	EN, ASTM (AISI), DIN, BIS, IS, BS

### 2. Casting range

<b>By Weight</b>	:	Up to 120 KGs single piece in machine moulding 100 to 250 KGs single piece in hand moulding
<b>By Size</b>	:	Up to 600 (L) X 500 (B) X 300 (H) mm

3. Supply condition : As cast (rough casting) / Finish Machined

4. Production capacity : 600 Tons per month

**5. Spare capacity : 250 Tons per month**

6. Industries catering to : Valves, Pumps, Construction, OEMs, Chemical, Automotive & General Engineering

7. Customer countries : USA, UK, Spain, the Netherlands, Singapore, UAE, Australia, Lebanon & India

## **Infrastructure facilities**

### **Office premises**

- A 5000 Sq Ft office with all necessary communication facilities.
- A full fledged office with dedicated departments for marketing, sales (commercial), purchase, production, quality, and logistics.

### **Factory premises**

- Company owned land area: 1 lakh Sq Ft.
- Factory shed / covered work area: 35000 Sq Ft.
- Scope for further expansion: 200%

### **Moulding facility**

- One pair of DISA ARPA 300 simultaneous jolt squeeze moulding machine to accommodate 520 X 520 X 200 mm moulding boxes.
- One pair of DISA ARPA 450 simultaneous jolt squeeze moulding machines to accommodate 700 X 650 X 350 mm moulding boxes.
- The moulding department is supported by overhead hoists to handle the closing and shifting of moulding boxes.
- Six track lines to accommodate 100 boxes mounted on trolleys.
- An automatic sand plant of 100 Tons capacity.
- Sand conveyor with Magnetic Separator to feed sand to the Hopper.
- Core sand mixer and Carbon Di Oxide core making facility.
- A core shooter with double cavity.
- 300 sets of 525 X 525 X 125 mm Cast Iron moulding boxes.
- 100 sets of 400 X 520 X 100 mm Cast Iron moulding boxes.
- Air guns connected to pneumatic lines supplied from 2 ELGI make 30 HP Compressors.

- Machine moulding area of 20000 Sq Ft.

### **Melting Facility**

1. An Inductotherm make Medium Frequency Induction Furnace double crucible type with 1.5 tons / hour capacity.
2. An Inductotherm make Medium Frequency Induction Furnace double crucible type with 1 ton / hour capacity.
3. Tea pot ladle for magnesium treatment for Ductile Iron
4. 12 numbers of SOHGS Hand Shanks.
5. Dust collector facility for environmental protection.

### **Fettling facility**

1. Two numbers of 500 KGs capacity shot blasting machine.
2. Five numbers of Bench grinders.
3. One swing frame grinder.
4. One AG4, two AG7 & one AG12 grinder.

### **Power System**

1. 800 KVA High Tension line installed.
2. One Genset of 380 KVA capacity power back up.
3. One Genset of 150 KVA capacity power back up.

### **Quality**

**Quality Policy:** TCF is committed to produce and deliver products to the satisfaction of the customers by continually improving its Quality Management System.

**Certification:** ISO 9001:2000 certified by TUV for Manufacture and Supply of Grey and Ductile Iron Castings.

## Laboratory & Testing facilities

1. **Spectrometer:** ARL (Swiss) make with ARL net facility. 29 elements analysing capacity.
2. **Image analyser:** With camera attached to the microscope.
3. **UTM:** 40 Tons capacity Fine make Universal Testing Machine for Tensile strength, Yield strength and Elongation.
4. **Hardness tester:** 3000 KGs Blue Star make Brinell Hardness Testing machine.
5. **Sand testing:** All the necessary sand testing equipments.
6. **Wet lab:** Full fledged wet lab for chemical analysis.

**Quality Records:** TCF maintains the following documentation systems to assure quality.

- Metal Chemistry Register
- Mechanical testing Log Book
- Dimensional inspection Log Book

**Test Certificates:** TCF conducts & provides the following certificates to the customer for every batch supply.

- Chemical test certificate
- Physical / Mechanical test certificate

**Traceability:** The Quality Team supervises the Q.A / Q.C aspects along the entire process system by identifying and associating with Quality Circles. TCF ensures 100% tractability for the produce.

**Occupational Health & Safety:** TCF, as an organisation committed to Occupational Health & Safety of the workers and shop floor staff, ensures strict adherence to body protective wears and covers for moving parts. The workers are constantly educated upon the importance of health & safety through displays and safety tips.

**Environmental protection:** As an environmentally responsible company, **TCF** complies with the environmental regulations advocated by the Government. As a result we have been provided with necessary the Pollution Clearance Certificate.

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