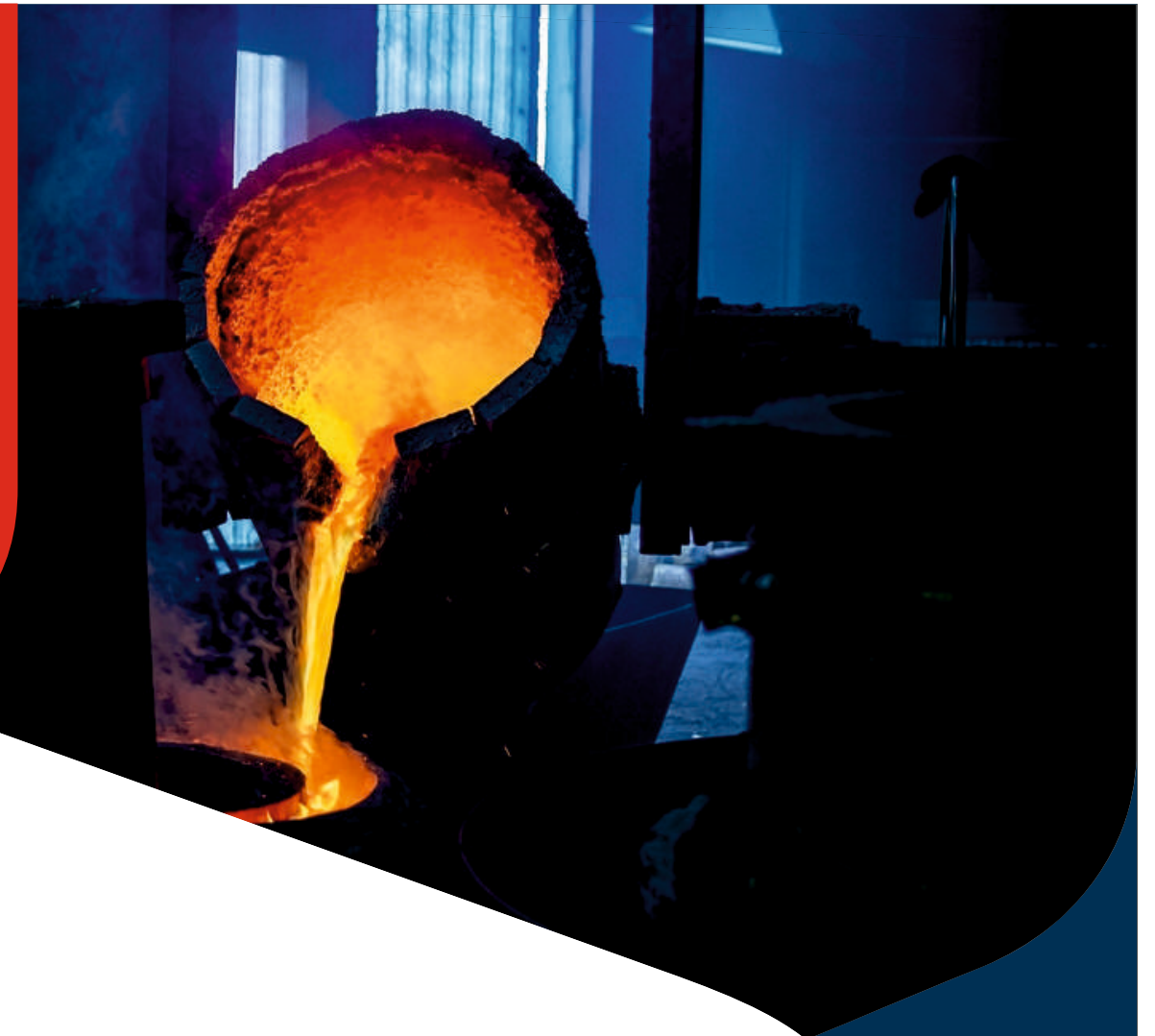


Transforming
Imagination into
Reality



Manufacturing & Supplying a
diverse range of

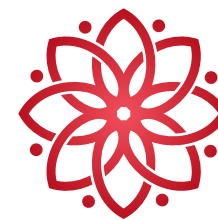
Casting



SUNSTAR
CASTECH PVT LTD

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SUNSTAR
CASTECH PVT LTD



TRANSFORMING
IMAGINATION
INTO REALITY



INFRASTRUCTURE

Igniting Success of **12 YEARS**

Sunstar Group is a prominent name in the industry, known for its expertise in manufacturing and supplying a diverse range of Casting. With our commitment to quality and the utilization of cutting-edge techniques, we have established ourselves as a reliable and trusted provider of precision-engineered parts. Our well-equipped manufacturing units, operated by skilled professionals, ensure the production of high-quality components using quality-tested raw materials.

Under the umbrella of **Sunstar Group**, we have two subsidiary companies: **Sunstar Metals** and **Sunstar Castech Pvt Ltd**. These companies are integral to our operations, enabling us to cater to a wide range of customer requirements and deliver customized solutions.

At Sunstar Group, we boast a comprehensive product portfolio manufactured at our state-of-the-art facilities. With a production capacity of 700 tons per month, we utilize various processes such as No Bake, Green Sand, and Lost Foam to meet the diverse needs of our clients. Our continuous focus on innovation and improvement allows us to stay ahead of the competition and deliver products that exceed expectations.

We take pride in our commitment to customer satisfaction, adhering to stringent quality standards, and maintaining prompt delivery schedules. Our dedicated team works closely with clients to understand their specific needs, offering personalized solutions that address their unique requirements.

Sunstar Group's reputation in the industry is built on a foundation of integrity, reliability, and unwavering dedication to excellence. We continuously strive to enhance our capabilities, expand our product range, and deliver unparalleled value to our customers.

We have 103500 SQ.feet of land with Inhouse facility for labour colony, canteen, and Green area.

We have three dedicate shed for Foundry, Grinding fettling, Machining shop, Dispatch area.



OUR VISION

Contributing to the general welfare of society and the improvement of quality providing result that add value for users world-wide.



OUR MISSION

Developing and maintaining a coherent framework of guides and standards of Quality and to keep up with time to satisfy CUSTOMER'S NEEDS.

FURNACE

We, as a prominent leader in the industry, have internationally acclaimed standard production facilities with a pure perception to achieve quality excellence and quantitative growth. Using medium frequency induction melting furnaces for optimal metal availability and power efficiency, we keep in mind to ensure everything is perfect. In addition to that, multiple furnaces with modern technology and control systems have been installed from time to time.

FURNACE CAPACITY

500 kg crucible with 550 Kw penal x2 Nos

MOULDING PROCESS

Moulding Process - No Bak

No bake moulding process consists of 85% of our total capacity. We do casting for induction motor housing frames, end-shields, gear box, pump by using No-Bake process.

This casting technique creates moulds with excellent dimensional stability.

The casting surface finish is also enhanced and polished over other sand casting processes.

Moulding Line - No Back

We have 10 Ton and 6 Ton continuous mixer for core and moulds pouring track line with transfer track and mould fitting station. reclamation plant with **capacity of 12 Ton** per hour with **300 Ton sand storage** by throughout cooling system.

Moulding Process – Green Sand

- We have manual reclamation sand system for sand preparation with **300 KG** intensive sand mixer.
- Pneumatic Jolt Squeeze Moulding M/C
- Cold box core shooter facility up to **12 KG core** . – **2 NOS.**

TRANSFORMING
IMAGINATION
INTO REALITY

Modern Day FOUNDRY

Lost Foam Process - The Foam That Turns Into Gas

The versatility of the lost foam casting process opens up count-less new possibilities for the production of castings and is the perfect complement to the other casting process

"Lost Foam" casting grants the Freedom to create cost-effective precision designs, not feasible by conventional methods

- Lost foam process is environment friendly processes with more than 95% sand reusable in process
- Most favorable process for mass production
- Can work with less machining allowances.
- Simple process with high automation.



Shot Blasting

"Shot blasting" refers to a surface treatment process that involves propelling abrasive particles at high velocities to clean, smooth, or prepare the surface of a material.

Type	Size	Quantity
Hanger Type	1200L x 1800W	1
Tumblast	900L x 900W	1

FACILITIES AT SUNSTAR GROUP

TRANSFORMING IMAGINATION INTO REALITY

FACILITIES AT SUNSTAR GROUP



Casting

Our well-equipped manufacturing units are capable of producing high quality castings using various processes such as No Bake, Green Sand, and Lost Foam. We leverage advanced techniques to ensure precision and accuracy in every casting we manufacture.



Machining

In addition to casting, we offer comprehensive machining services to provide finished components that meet exact specifications. Our machining facilities are equipped with state-of-the-art tools and equipment, operated by skilled technicians, ensuring precise and efficient machining processes.



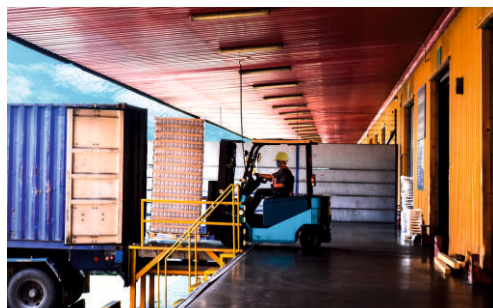
Painting

As part of our value-added services, we provide painting facilities to enhance the aesthetics and durability of our products. Our skilled painting team utilizes high-quality paints and coatings, adhering to industry standards to ensure a flawless finish.



Packing

We understand the importance of safe and secure packaging for our products. Our dedicated packing facilities ensure that the castings and machined components are carefully packed to protect them from any damage during transit. We use appropriate packaging materials and techniques to ensure the integrity of the products.



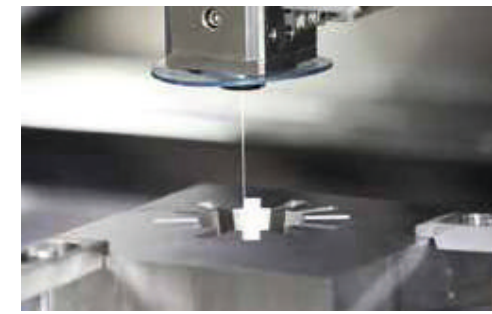
In-house Container Stuffing Facility

To streamline the logistics process, we have an in-house container stuffing facility. This facility enables us to efficiently load the products into containers, optimizing space utilization and ensuring safe transportation.



Lab with Spectrometer & Microscope

At Sunstar Group, we prioritize quality control and have a well-equipped quality lab. The lab is equipped with advanced tools such as a spectrometer and a microscope to conduct comprehensive testing and analysis of the castings and components. This ensures that our products meet the highest quality standards.



In-house Pattern Making

We have dedicated facilities for in-house pattern making, allowing us to create precise and customized patterns for casting. Our skilled pattern makers utilize modern techniques and equipment to ensure the accurate replication of intricate designs.



Sand Casting Lab

Sunstar Group has a specialized sand casting lab where we conduct various tests and experiments related to sand casting processes. This enables us to continuously improve our casting techniques and optimize the quality of our products.



In-house Tensile, Impact & Hardness Testing

To ensure the mechanical properties of our castings, we have in-house testing facilities for tensile, impact, and hardness testing. These tests are performed using advanced equipment to validate the strength and durability of our products.



Magnetic Crane for Scrap Loading/Unloading

We prioritize environmental sustainability and efficient material handling. For scrap loading and unloading, we utilize a magnetic crane. This enables us to handle scrap materials safely and efficiently, contributing to a clean and organized working environment.

SURFACE TREATMENT

TRANSFORMING IMAGINATION INTO REALITY

With experience of 12 year we sunstar group refers to the guarantee or assurance that the surface treatment processes performed on the cast iron components meet the required standards and specifications. We have inhouse surface treatment facility like,

- Primer
- Epoxy paint
- CED Coating (outsoure)
- Hot-dip Galvanizing (outsoure)

INTEGRATED MACHINE SHOP

In quest to deliver the best and satisfy our customers demand for finished components, we utilize various CNC VTLs, Horizontal Machining Centers to deliberately produce finished and fine components that meet the tolerances at its peak. We have a well-equipped machine shop which provides all forms of machining necessities to our customers.



World class machining facilities comparable to the best in the industry



MACHINE SHOP



CNC VTL

Sr No.	Dia	Hight	Quantity
1	500 mm	400 mm	1
2	550 mm	550 mm	1
3	800 mm	1100 mm	1
4	1000 mm	950 mm	1

CNC TUNING CENTER

Sr No.	Size	Quantity
1	200 x 500 mm	2
2	290 x 600 mm	1

VERTICAL MACHINING CENTER

Sr No.	Size	Quantity
1	1300 x 700 x 600 mm	1

CONVENTIONAL LATHE MACHINE

Sr No.	Size	Quantity
1	9 FEET	2
2	7 FEET	10
3	5 FEET	6

HORIZONTAL MACHINING CENTER

Sr No.	Size	Quantity
1	600 x 560 mm	1

DRILLING MACHINE

Sr No.	TYPE	Quantity
1	RADIAL DRILL	3
2	PILLAR DRILL	9
3	TAPPING DRILL	1

MILLING MACHINING

Sr No.	Size	Quantity
1	HMT M2E	1

OUR PRODUCT RANGE

A Wide Product Profile Ranging from 250 gms to 200 kg

TRANSFORMING IMAGINATION INTO REALITY

Pump and Valve Castings



Electric Motor Castings



MATERIAL & GRADES PRODUCED

- Ductile iron Castings with strong impact properties at low Temperatures.
- High silicon molybdenum ductile iron.
- Austempered ductile iron.
- Pearlitic grey iron.

End Shield Castings



Cast Iron			
Sr No.	Type	Grade	Related Std.
1	GREY IRON	CLASS - 1	46024 EX CL-1
2	GREY IRON	CLASS - 20	46024 EX CL-1
3	GREY IRON	CLASS - 25	46024 EX CL-1
4	GREY IRON	CLASS - 30	46024 EX CL-1
5	GREY IRON	CLASS - 35	46024 EX CL-1
6	GREY IRON	EN GG - 20	46024 EX CL-1
7	GREY IRON	EN GG - 25	46024 EX CL-1
8	GREY IRON	EN GJL - 150	46024 EX CL-1
9	GREY IRON	EN GJL - 200	46024 EX CL-1
10	GREY IRON	EN GJL - 250	46024 EX CL-1
11	GREY IRON	EX.CL.3	46024 EX CL-1
12	GREY IRON	EX.CL.1	46024 EX CL-1
13	GREY IRON	FG 150	46024 EX CL-1
14	GREY IRON	FG 200	46024 EX CL-1
15	GREY IRON	FG 220	46024 EX CL-1
16	GREY IRON	FG 260	46024 EX CL-1
17	GREY IRON	G-3500	46024 EX CL-1
18	GREY IRON	G-2500	46024 EX CL-1
19	GREY IRON	G-3000	46024 EX CL-1

SG Iron			
Sr No.	Type	Grade	Related Std.
1	S.G. IRON	EN GJS 400/12	EN 1563
2	S.G. IRON	EN GJS 400/15	EN 1563
3	S.G. IRON	EN GJS 400/18	EN 1563
4	S.G. IRON	EN GJS 400/18LT	EN 1563
5	S.G. IRON	EN GJS 600/3	EN 1563
6	S.G. IRON	EN GJS 600/7	EN 1563
7	S.G. IRON	EN GJS 600/7	EN 1563
8	S.G. IRON	EN GJS 600/6	EN 1563
9	S.G. IRON	EN GJS 600/-2	EN 1563
10	S.G. IRON	65-45-12	EN 1563
11	S.G. IRON	80-55-06	EN 1563

ASSURED QUALITY

With 12+ years of experience in the concerned quality department, the experts look after the quality adhering to **ISO 9001:2015** standards to maintain the quality level.

For ensuring the physical & dimensional properties of our products, our quality control department has top notch facilities in order to equalize it.

Quality Check & Testing Facilities

- Complete Sand testing facilities.
- Optical Microscopy equipment.
- Brinell Hardness Testing Machine.
- Universal Testing machine.
- German made 24 Elements Spectrometer (Iron based) for determining precise chemical composition of the metal.
- DFT Meter for paint thickness gauge.



Inspection Facilities

Measuring Inspection

All type of measuring instrument for machined dimensions like

Bore Gauge

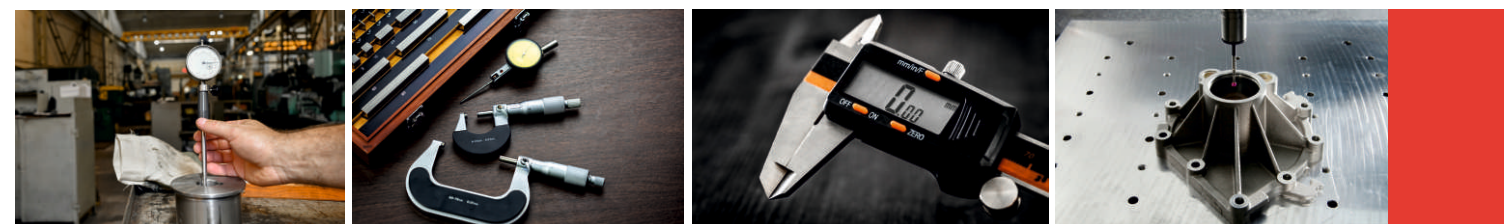
Micro Meter with 0.001 LC

Digital Vernier

Special gauges as per part need

FUTURE EXPANTION

CMM



Quality is a trait that we appreciate

TOOL ROOM

A casting machining tool room, also known as a casting tool room or foundry tool room, is a specialized facility or department within a foundry or manufacturing company that focuses on the machining and finishing of castings. It is responsible for processing and refining cast components to meet specific requirements and tolerances .

We **Sunstar Metals** have evaluated The primary functions of a casting machining tool room

Casting Cleaning and Preparation

Tool and Fixture Design

Quality Control

Machining and Finishing

Tool Maintenance and Repair

By combining casting expertise with machining capabilities, a casting machining tool room enables the production of high-quality, precision-machined cast components. It plays a critical role in converting rough castings into finished products that meet the required specifications and standards



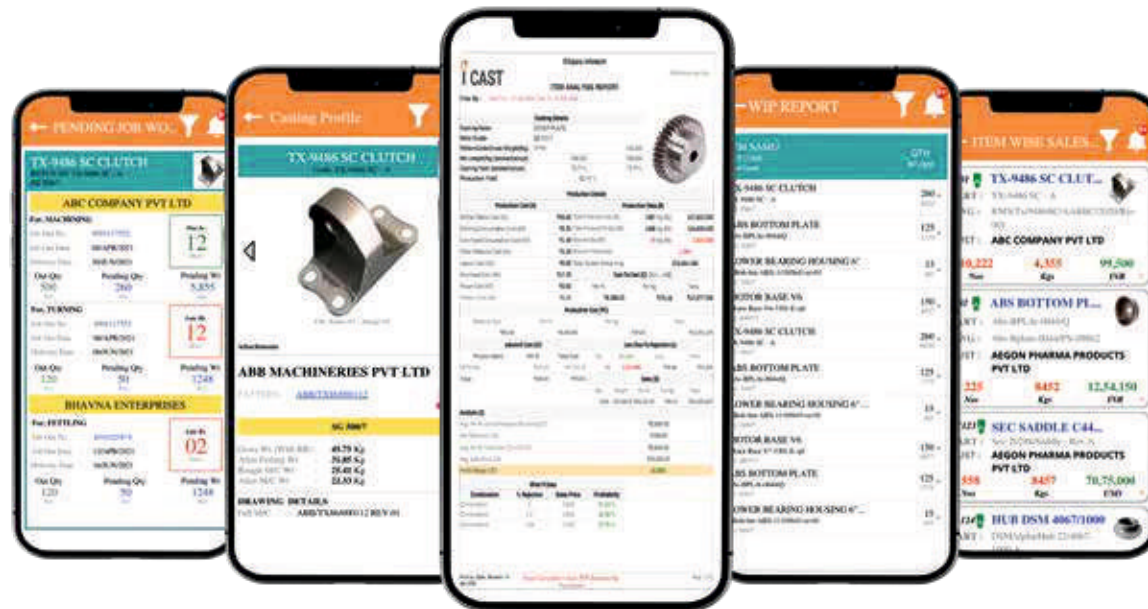
SOFTWARE

DIGITALIZATION AS AN ENABLER FOR THE FOUNDRY INDUSTRY

SUNSTAR GROUP POLICY

We use the ERP software for the our configurable foundry needs and its benefits mention below.

In order to be competitive, the scale of an average foundry has to increase and foundries must be able to provide real-time intelligence. That's where digitalization plays an important role. **ICAST ERP** helps us keeping close eye on the entire value chain.



COSTING & PROFITABILITY



SYSTEM ASSISTED SCHEDULING



E-INVOICE & E-WAY BILL



SYSTEM GENERATED NOTIFICATIONS



HARDWARE INTEGRATION



MOBILE APP & EMAIL SCHEDULER



INTEGRATION WITH TALLY



DIY & 'ON-THE-FLY' REPORTING

Ensuring Ethical Practices and Commitment to Health and Safety

At Sunstar Group, we are committed to upholding the highest standards of ethical practices, promoting a safe and healthy work environment for our employees. As a casting-related firm, we understand the importance of responsible business conduct and the well-being of our workforce. Therefore, we have implemented the following policies:

No Child Labour

We strictly prohibit the use of child labor in any aspect of our operations. We adhere to all applicable local and international labor laws and regulations concerning the minimum age of employment. We are committed to providing opportunities for adult employment and ensuring that the rights of children are respected and protected.

No Sex Abuse

We have a zero-tolerance policy for any form of sex abuse, harassment, or exploitation within our organization. We maintain a respectful and inclusive workplace environment where all individuals are treated with dignity and equality. We have implemented robust policies and procedures to prevent and address any instances of sexual harassment or abuse.

Health and Safety

The health and safety of our employees are of paramount importance to us. We are dedicated to providing a safe and healthy work environment by complying with all relevant health and safety regulations. We conduct regular risk assessments, provide necessary training, and ensure the availability of appropriate safety equipment and protocols. We encourage open communication and active participation from our employees to continuously improve health and safety standards.

Compliance and Accountability

We are committed to complying with all applicable laws, regulations, and industry standards. We regularly monitor our operations to ensure compliance and identify areas for improvement. We hold ourselves accountable for our actions and take prompt corrective measures if any deviations are identified.

Supplier Code of Conduct

We extend our commitment to ethical practices and health and safety to our suppliers and business partners. We expect our suppliers to adhere to the same principles regarding child labor, sex abuse, and health and safety. We actively engage with our suppliers to ensure they comply with our code of conduct and continuously strive for ethical and responsible practices throughout our supply chain.

By implementing and enforcing these policies, Sunstar Group aims to create a work environment that fosters respect, dignity, and well-being for all employees. We are dedicated to maintaining high ethical standards and continuously improving our health and safety practices to protect our employees and stakeholders.

At Sunstar Group, we firmly believe that responsible business conduct is essential for sustainable growth and long-term success. We are committed to being an industry leader in ethical practices, ensuring the well-being of our employees, and promoting a culture of integrity and respect in all our operations.