AMTECH® TECHNOCAST

Feinguss ◆ Micro Fusione

Investment Casting Division

PR TECHNOCAST®

Sand Casting Division

EXCEED YOUR VISION

COMMITTED TO PROVIDE FINEST CASTING

ISO 14001:2015
45001:2018

FM APPROVED

TÜV NORD ISO 9001 : 2015

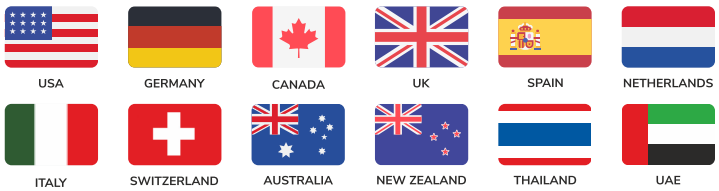
TÜV NORD AD 2000-Merkblatt W0

TÜV NORD PED 2014/68/EU

AMTECH® TECHNOCAST

Amtech Technocast Pvt. Ltd. (ATPL) is a versatile manufacturer, capable of producing highly customized products in the field of Investment Casting. Catering to quality-conscious niches, we compete with top-of-the-league manufacturers. With a mission to deliver quality Investment casting products worldwide to the customers, our team is constantly developing new grades and applications to maintain and enhance our leading position. Consistent with the vision and values, Amtech Technocast strives to rise to new challenges and set new standards to celebrate the delight of our customers by providing the best possible products. The means envisaged to achieve this are high technology, productivity and manpower, consistent with modern management practice.

WE Export To



IMPORTANT Machines

- 35-Ton Automatic Injection Machines
- 300 x 2 kg Melting Induction Furnace (450 kW)
- Steam Autoclave Dewaxing
- Rotary Hearth Shell Sintering Furnace
- 1-Ton Capacity Heat Treatment Furnace
- Leak Testing Machine
- Glass bead blasting Machine
- Ultrasonic Cleaning Machine
- Marking Machine
- In house machine shop
- CMM make by Carl Zeiss

Our Speciality

Low Gap Impeller

High Pressure Pump Parts

Assembly Casting

Laser Cut Welding.

Our Capability

Single Piece Size	: 750x750x600mm
Single Piece Weight	: 25 g to 100 kg
Production	: 60 MT/Month
Spare Land Area	: 40 MT/Month
Land Area	: 6,400 sq. m. (Built up), 6,400 sq. m. (Expandable)

INVESTMENT CASTING PARTS

Industrial Valve Parts

Industrial Pump Parts

Tools Parts

Railway Components

Agriculture Parts

INVESTMENT CASTING PARTS

Automotive Parts

Kitchen Utensil Parts

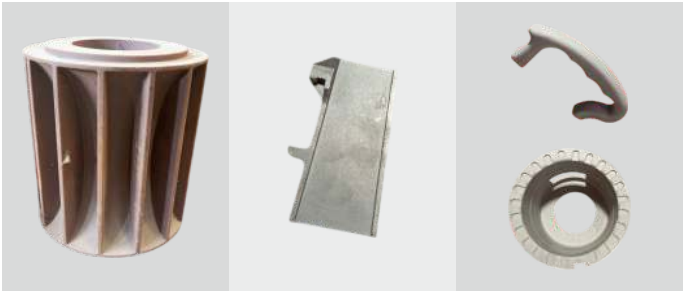
Food, Pharma & Beverage

Sheet Metal Assembly Parts

INVESTMENT CASTING PARTS

Forging Parts

Metal Finishing Machine Parts



Truck,Trailer & Bus Parts

Explosion Proof Terminal Box

General Engineering

Springs

PR TECHNOCAST

ABOUT US

The history of P R TECHNOCAST recounts the life's work of its founder and attests to his core value : "We will strive to build & maintain a strong company by supplying our customers with quality products and excellent service..." Providing quality products and excellent service to customers has kept this family-owned business growing since 2008.

A qualified and dedicated workforce with a strong focus on quality, expertise in production and a Customer First policy have helped P R TECHNOCAST enjoy a continuous and sustained growth over the last 13 years.

P R TECHNOCAST Appreciates that our employees, along with our customers, are our most valuable assets, and we believe it is our duty to understand and exceed our customer's needs.

Now Bigger and Better.

We supply components over 50+ companies in india across a wide range of industries. We have 250 Tons/Month Installed Capacity.

GRAY IRON (FG-150, FG-200, FG-220, FG-260)
DUCTILE IRON (SG-450/10, SG-500/7, SG-600/3)
HIGH CHROME IRON (20-30%Cr)

We are also producing as per International Standards Specification like IS, ASTM, AISI, SAE, DIN, EN, JIS or any other metals as per the customer's requirement and satisfaction.

WE DO

GREEN SAND MOLDING | **NO BAKE SAND MOLDING** | **SHELL SAND MOLDING**

SAND & SHELL CASTING PARTS

General Engineering

Pumps

Valves

Auto Parts

Hydraulic Parts

Agriculture Parts

Motor Parts

MACHINE SHOP DETAILS

NO.	MACHINE	SPECIFICATION	MAKE	QTY.
1	Horizontal Machining Center (HMC)	JE 60S	Enshu (Japan)	1
2	Vertical Machining Center (VMC)	CVM 800	Cosmos	2
3	CNC Turning Machine	Max. 300mm	Macpower	7
			TSUGAMI	2
4	Dynamic Balancing Machine	0.5kg. to 10kg.	FIE	1
5	Horizontal Broaching Machine	Semi Auto	Hardik	1
6	CMM	Accuracy 2 micron	Carl Ziess	7

TECHNICAL Capabilities

Material	Grade (AISI, ASTM, EN, JIS, DIN etc.)
Carbon & Alloy Steel	WCB -1020, 1045 etc. | EN Series - 4140, 8640 etc.
Stainless Steel	316, 304, 17-4 PH, 309, 310, 410, 420, Hi-Chrome etc.
Duplex Stainless Steel	2205, 2507, GR. 3A, GR. 4A, GR. 6A, CD4MCuN.
Nickle Alloys	Hast Alloy B, C, Inconel, Monel etc.
Grey Cast Iron	GG20, GG25, GG30.
SG/Ductile Iron	FG 400/15, 420/12, 450/10, 500/7, 600/3, 700/2.
Non Ferrous	Brass, Gun Metal.

Surface Treatment Capability

- Painting
- Phosphating
- Blackodising
- Zinc Plating
- Ni-Zn Plating
- Hot Dip Galvanizing (HDG)
- Cathodic Electro-Deposition (CED)
- Powder Coating
- PVD Coating
- PU Coating

INVESTMENT CASTING
Tolerance

DIMENSIONS (mm)		PRECISION GRADE			
		NORMAL		PREMIUM	
From	To	Deviation + or -	Tolerance Range	Deviation + or -	Tolerance Range
	6	± 0,10	0,20	± 0,08	0,16
6	10	± 0,12	0,24	± 0,10	0,20
10	14	± 0,15	0,30	± 0,12	0,24
14	18	± 0,20	0,40	± 0,14	0,28
18	24	± 0,25	0,50	± 0,17	0,34
24	30	± 0,30	0,60	± 0,20	0,40
30	40	± 0,36	0,72	± 0,25	0,50
40	50	± 0,42	0,84	± 0,30	0,60
50	65	± 0,49	0,98	± 0,35	0,70
65	80	± 0,58	1,16	± 0,42	0,84
80	100	± 0,68	1,36	± 0,48	0,96

General Flatness tolerance is ± 0,25 up to 100 sq.mm of surface area.

QUALITY CONTROL
Facility

Equipped with latest equipments to verify that all incoming as well as finished products are as per specifications. Operated by Qualified and experienced staff. We do online molten metal checks of every heat to meets customer's specification.

- Online Chemical test Sampling
- A sampling of in-house capabilities include
- In house Mechanical Testing
- Heat Treating
- In house mechanical testing
- Design Assistance
- Non-Destructive Testing
  (ASNT LEVEL II APPROVED INSPECTOR IN RT, UT, MPT & LPT)
- Technical Assistance
- CMM (Make : Carl Zeiss) = 1800x900x600
  Accuracy 2 Micron
- MPI Machine

Tensile Testing Machine 20 Tons Cap.
Callibration under TUV witness
(Cast Speciman from each heat tested mechanically)

Testing
Facilities

NO.	EQUIPMENT NAME	Range / Capacity / Size	MAKE
01	SPECTOMETER	28 ELEMENTS WITH FE, NI, CO BASE	HITACHI-OPTIMUM
02	UNIVERSAL TESTING MACHINE	FIE 400KN	AIE-UTE-40T
03	BRINELL HARDNESS TESTER	B3000 - OPTICAL	SAROJ
04	CE METER	CI/SGI	SUYASH
05	PYROMETER	1800 C MAX	SUYASH
06	SIEVE SHAKER	MESH NO.1700-53	ROYAL
07	DIGITAL - UNIVERSAL STRENGTH MACHINE	MAX. 1000KG/CM²- MULTI STRENGTH	ROYAL
08	PERMEABILITY METER	0-220 GF/CM²	ROYAL
09	SAND RAMMER	-50, 0, +50	ROYAL
10	COMPATIBILITY TESTER	0-75 COMPACTION	ROYAL
11	MOISTURE TESTER	0-10%	ROYAL
12	MOLD HARDNESS TESTER	0-100 HARDNESS	ROYAL
13	CORE HARDNESS TESTER	0-100 HARDNESS	ROYAL

Spectrometer
ARL-3460 OES (Fe, Ni & Co base)

Hardness Tester

Impact Testing Machine
Callibration under TUV witness
(Testing temp.up to-196 °C)

INDUSTRIES
We Serve

- PUMPS & VALVES
- POWER
- AUTOMOTIVE
- TRUCK & TRAILER
- AGRICULTURE
- MINING & CONSTRUCTION
- METAL FINISHING INDUSTRY
- HANDRAILS & SCAFFOLDING
- OIL & GAS
- RAILWAY
- TEXTILE
- EARTH MOVING
- HARDWARE & BATH FITTINGS
- GENERAL ENGINEERING

VISION

To enhance customer satisfaction and strengthen our global presence by delivering world-class products and services, driving sustainable growth, and achieving leadership in our industry.

MISSION

To deliver superior value to our customers through competitive, innovative solutions, technological leadership, and manufacturing excellence, while continuously responding to evolving market needs.

AMTECH® TECHNOCAST

Survey No. 54-P2, Plot No. 01, Near. Toll Plaza,
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Taluka: Gondal, **Dist.** Rajkot - 360 311 (Gujarat) INDIA.

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