



SUMANGAL
GROUP OF COMPANIES



SETTING STANDARDS IN

- > Closed Die Steel Forgings
- > Steel Investment Castings
- > Ductile Iron & Gray Cast Iron Castings
- > Zinc (ZAMAK) Pressure Die Castings
- > Precision CNC Machining

If you are looking for a product - as raw or finished, manufactured by different manufacturing processes like:

- ▶ **Closed Die Steel Forgings**
- ▶ **Steel Investment Castings**
- ▶ **Ductile Iron & Gray Cast Iron Castings**
- ▶ **Zinc (ZAMAK) Pressure Die Castings**

Then we have a better opportunity for starting a new venture with you. You may be having a source, but, we offer you a better option that will be helpful to make your customer more satisfied.

Single window solution for

- ▶ Forgings
 - ▶ Investment Castings
 - ▶ Ductile Iron & Gray Cast Iron Castings
 - ▶ Zinc (ZAMAK) Pressure Die Castings
 - ▶ Precision CNC Machining
- Everything @ Single Source



Why to consider on us?

1. We are a group of companies having facilities for various types of casting & forgings at single place with single window operating.
2. We can provide value adding solution for making your product sound and more cost effective based on our expertise and experience of more than 30 years.
3. We can offer different manufacturing process and wide range of materials suitable to your product application.
4. We are able to fulfill the requirements of world's leading manufacturers and OEMs based on our vast experience of export as well as regular supply to OEMs. Your product will be also treated with same experience & expertise.
5. Our Quality system as well as product are approved by:

- | | |
|------------------|-----------------------------|
| ▶ TUV Nord | ▶ DNV - GL |
| ▶ TUV Rheinland | ▶ Lloyd's Register |
| ▶ TUV South Asia | ▶ Indian Boiler Regulations |

And you will get product with certifications like
PED 2014/68/EU, AD 2000-Merkblatt W0, Marine Approvals by (DNV-GL & Lloyd's)
and IBR 1950 approval.



Sumangal Group

We are pleased to introduce Sumangal Group of Companies, a World Class leading manufacturer of various types of Castings and forgings in India. Founded in 1978, the company began operations with two units - one company for zinc pressure die castings and the second company for wrist watch cases. With time, over the years, under its vast and growing umbrella, today Sumangal Group of Companies finally operate seven companies.

1. Sumangal Forgings Pvt. Ltd. - Steel Forgings Unit
2. Sumangal Castings Pvt. Ltd. - Steel Investment Castings Unit
3. Sansiddhi Technocast Pvt. Ltd. - Grey & Ductile Iron Castings Unit
4. Die Cast Industries - Zinc (ZAMAK) Pressure Die Castings Unit
5. Sumangal Watch Case Manufacturing Co. - Wrist Watch Case mfg. unit
6. Suyash Developers - Construction Real Estate
7. Sumangal Group Precision Machining Unit
8. Sumangal Technocast Pvt. Ltd. - Furniture Hardware & Fittings
9. Sumangal Castings Pvt. Ltd. - Mortise Locks & Cylinders

Sumangal Group of Companies is working towards its vision of becoming partners to their customers and providing them single window solutions for their various requirements and providing them value adding solutions for their product today, each group company holds the capabilities of supplying quality products as per the domestic and international client requirements.

Vision

To become a partner of our customer by providing them single window solution for their various requirements & providing them value adding solutions for their product manufacturing & Return of their investment more than they invest.

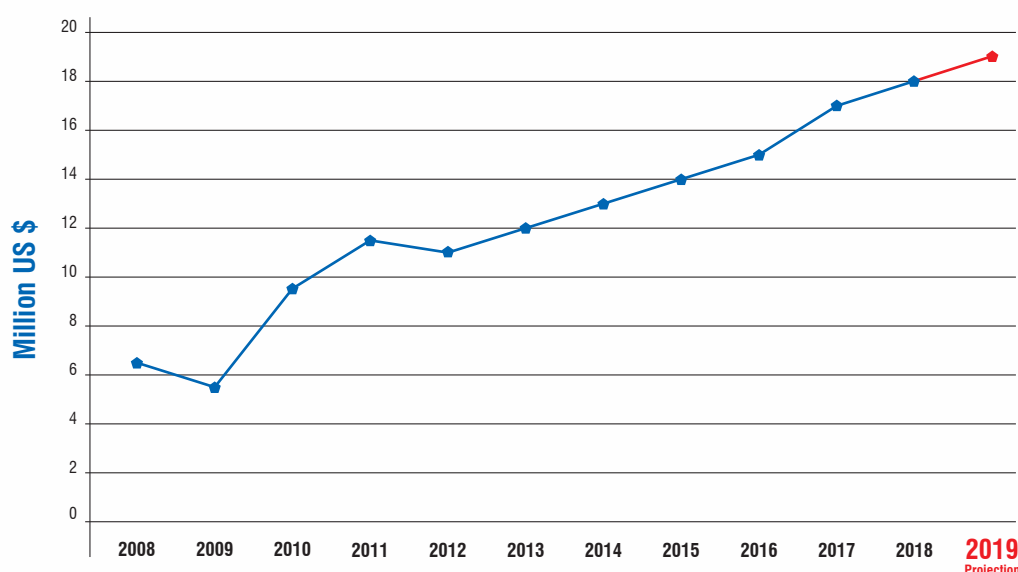
Mission

We want to perform as a leading manufacturer with our contribution towards keeping environment as much as green by maintain the surrounding environment as green and also by maintaining health & safety of our each group members.

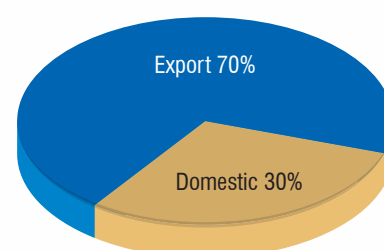
Our Policy

We are devoted for achieving desired satisfaction level of our customers by supplying them closed die steel forgings, investment castings, Ductile & Grey Iron Castings, Pressure Die castings in condition as raw, semi or fully finished by executing quality management system & continual improvement at our all group companies.

▶ Group Turnover



▶ Group Export



▶ Sumangal Group of Companies Exports to:



Austria



Belgium



Canada



China



Finland



France



Germany



Italy



Japan



Norway



Portugal



Russia



Spain



Sweden



USA



UK



▶ **Sumangal Forgings Pvt. Ltd.** a very well equipped manufacturing plant of close die steel forging commenced manufacturing activity in 1994 and have over the year established as the leading supplier of duly heat treated forgings. The forged parts are also supplied, precision machined and heat treated to Automobile and other industries around the globe. 70% of our sale is original equipments manufacturing. SFPL have integrated high quality equipments, advanced engineers, well trained technicians and even when needed, on site operators to enhance R&D activities and this makes **SFPL** to support current production technology and improve manufacturing process which are critical to meet the demands of tomorrow. The production and development of components supported by a team of relevant field experienced Directors to cover design and manufacturing even of complex products, own tools, selecting proper raw material, process controls, quality control testing and inspection and many more.

▶ SUMANGAL FORGINGS PVT. LTD.

Office & Works Address:

Survey No. 155, S.I.D.C. Road,
Veraval (Shapar), NH-27,
Tal.: Kotda Sangani, Dist.: Rajkot - 360 024.
(Gujarat) INDIA.

☎ +91.2827.252841 / 43

☎ +91.2827.252842

🌐 www.SumangalForging.com

✉ Sales@SumangalForging.com

✉ SumangalForgings@yahoo.com

▶ Contact Person:

Mr. Kalpesh Patel (Executive Director)

▶ Quality Certification

IATF 16949:2016

▶ Established Year

1994

▶ Capital Employed

US \$ 6 Million

▶ Annual Turnover of Year 2018

US \$ 7 Million

▶ ISO/TS 16949:2009 Certificate



▶ Award & Achievement



▶ Plant Area

Total Area : 15,000.00 Sq. Mtr.
Covered Area : 10,000.00 Sq. Mtr.
Open Area : 5,000.00 Sq. Mtr.

▶ Production Capacity

5000 M.T. / Annum

▶ Working Staff

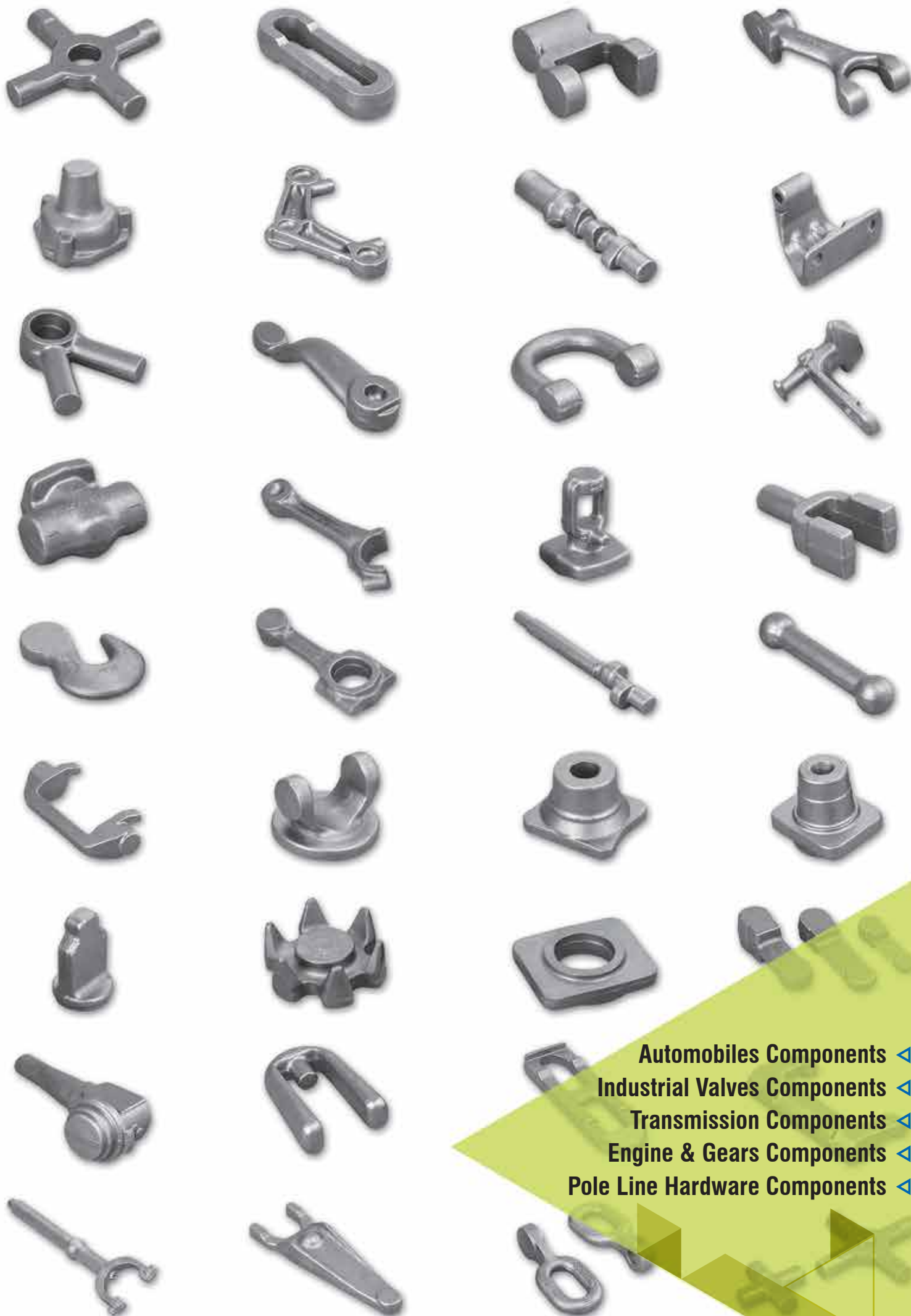
Total : 120 Persons
Technical : 15 Persons
Supervisor : 10 Persons
Skilled Workers : 15 Persons

▶ Job Handling Capacity

From 1.0 Kg. to 15 Kgs.

▶ Materials Offered

Carbon Steel, Alloy Steel &
Stainless Steel



Automobiles Components <
Industrial Valves Components <
Transmission Components <
Engine & Gears Components <
Pole Line Hardware Components <

► List of Machinery

Sr.	Description	Make	Qty.
01.	Mechanical Forging Press 1600 Ton	Kurimoto	01
02.	MPM Huta 3150B	Huta Zygmunt	01
03.	Belt Drop Hammer (1.5 MT)	Ratan	01
04.	Trimming Press (200 Ton)	Amrit	01
05.	Trimming Press (150 Ton)	Amrit	02
06.	Air Compressor	Atlas / Ingersoll-rand	03
07.	Bench Grinder	Raj Laxmi	03
08.	Billate Shearing Press	Vijay	01
09.	Coining Press	Harison / Fabricated	02
10.	Billet Heating Furnace	Inductothum / Plasma	03
11.	Heat Treatment Furnace	Designed By Orient Thermal P. Ltd.	01
12.	Induction Trimming Furnace	Plasma Induction	01
13.	Lathe Machine	New Orient / Suvarna	02
14.	Letter Stamping Press	New Karachi	01
15.	Welding Machine	Fabricated / Miller	02

► Facilities Available at Tool Room

Sr.	Description	Make	Qty.
01.	Pneumatic Bench Grinder	Reaco	01
02.	Pneumatic Bench Grinder	Reaco	01
03.	Copy Milling Machine	Rigid	01
04.	Electro-discharge M/c.	Tool Craft	01
05.	Lathe Machine 4 Feet	Prototech	01
06.	Lathe Machine 6 Feet	Gelma	01
07.	Lathe Machine 8 Feet	Chotalya	01
08.	Vertical Milling Machine	HMT	02
09.	Vertical Milling Machine	HI Bhambar	01
10.	Vertical Milling Machine	BFW	01
11.	Vertical Milling Machine	Singer	01
12.	Padestal Tool Grinder	Reaco / Fabricated	02
13.	Planning Machine	Riat	01
14.	Radial Drill Machine	SMT	01
15.	Vertical Drilling M/c.	SMT	01

► Physical Testing Facility

Sr.	Description	Make	Qty.
01.	M.P.I. Testing Machine	Magnaflux	01
02.	Universal Tensile Testing Machine	FIE	01
03.	Brinell Hardness Tester 3000 Kgs.	Saroj	01
04.	Microscope with Image Analyser	Olympus	01
05.	Spectroscope	Feed Back	01
06.	Profile Projector	Marugen	01
07.	Polising Machine	Precision	01
08.	Optical Hardness Tester 3000 Kgs.	Saroj	01

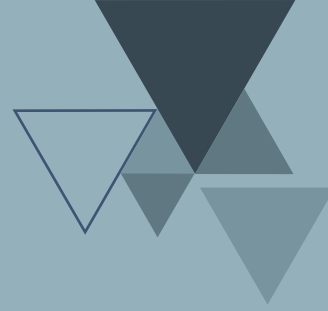
► Inspection and Testing Facilities

Sr.	Description	Make	Qty.
01.	Height Gauge	Aditya / Aerospace	02
02.	Dial Gauge & Stand	Mitutoya / Baker	02
03.	Combination Set	Mitutoya	01
04.	Temp. Controler	Fourtech	01
05.	Temp. Indicator	Kumar	01
06.	Surface Plate	Guddy / Micro	03
07.	Inside Out Side Calipers	Indian	02
08.	Radius Gauge	Indian	04
09.	Universal Vice	Indian	02
10.	Thermocouple	Mascot	01
11.	Thermocouple	Mascot	01
12.	Plunger Type Dial Indicator	Mitutoyo	02
13.	Temperature Indicator	Multispan	01
14.	Digital Weighting Scale	Prime Inst.	01
15.	Temperature Controller	Multispan	01
16.	Hardness Tester	Saroj	01
17.	Dial Vernier Caliper	Mitutoyo	05
18.	Carbon – Sulphur Apparatus	-	01
19.	Weight Scale	National	01
20.	Weighting Machine	Metler-toledo	01
21.	Temperature Controller	Digispan	01
22.	Data Logger	Falcon	01
23.	Magnatic V Block	Crystal	02
24.	Weight Machine	Prime Inst.	01
25.	Temperature Indicator	Digispan	01
26.	Thermocouple	Electro	04
27.	Pyrometer	AST	02
28.	Brinell Impression Meas. System	VMC Inst.	01

► Composition Testing Facility

Sr.	Description	Make	Qty.
01.	Fully Equipped Chemical Laboratory	-	01
02.	Optical Emmission Spectrometer	Spectro GMBH	01





- **Sumangal Castings Pvt. Ltd.** a well laid out modern plant manufacturing the total spectrum of investment castings made from ferrous metals and its alloys including NICKEL & COBALT base super alloy with an installed capacity of 650 MT per annum, considered as an advanced & ultimate casting process. It manufactures engineering components of highest quality in which one disposable pattern produce one metal part only. The process which was initially confined to typical aerospace requirement is now used in all engineering field to produce componenets of various degrees of complexity in virtually and volume and for the boradest possible spectrum of applications having very close to the final ready for end use with inherent soundness, accuracy in microns, minimizes costly and cumbersome machining operations, in addition to the above this unit having certain additional facilities to undertake job having fine details to reproduce very accurately in the castings itself.

SCPL supplying investment casting to some of its valued customers in various field like Automobile, Aerospace, Railways, Defense, Hand Tools, Process Pumps & Valves, Marine, Textiles, Electrical, Switchgears, Orthopedic Components, etc. with a team of field engineers to interact with the customer for their specific needs, even the extent of helping them in designing of their components.

► SUMANGAL CASTINGS PVT. LTD.

Office & Works Address:

Survey No. 154, S.I.D.C. Road,
Veraval (Shapar), NH-27,
Tal.: Kotda Sangani, Dist.: Rajkot - 360 024.
(Gujarat) INDIA.

☎ +91.2827.252843 / 253180

☎ +91.2827.252842

🌐 www.SumangalCasting.com

✉ Sales@SumangalCasting.com

✉ SumangalCasting@yahoo.com

► Contact Person:

Mr. Pramit Patel (Director Marketing)

► Quality Certification

ISO 9001 : 2015

PED 2014/68/EU

AD 2000-Merkblatt W0

Marine Approval from DNV - GL

Marine Approval from Lloyds Register

Indian Boiler Regulations 1950 (IBR)

► Materials Offered

Stainless Steel, Carbon Steel,
Alloy Steel & Super Alloy Steel

► Established Year

1999

► Capital Employed

US \$ 4.50 Million

► Annual Turnover of Year 2018

US \$ 6.50 Million

► Plant Area

Total Area : 16,000 Sq. Mtr.

Covered Area : 8,500 Sq. Mtr.

Open Area : 7,500 Sq. Mtr.

► Production Capacity

650 M.T. / Annum

► Working Staff

Total : 130 Persons

Technical : 25 Persons

Supervisor : 10 Persons

Skilled Workers : 75 Persons

► Job Handling Capacity

From 0.100 to 120 Kg. as a single piece

► Surface Roughness

4 to 6 Microns Ra (the same can be improved upto 3.0 Micron Ra)





- ▶ Pump Components
- ▶ Valves Components
- ▶ Mechanical Seals
- ▶ Instrumentation Components
- ▶ General Engineering Components



Automobiles Components <
 Crane Components <
 Earth Moving Components <
 Machine Tool Components <
 Switch Gear Components <

► Certifications



ISO 9001 : 2015



PED 2014/68/EU



AD 2000-Merkblatt W0



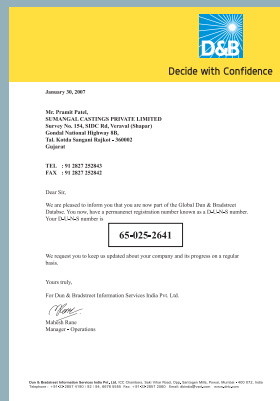
Indian Boiler Regulations 1950 (IBR)



Foundry Approval (Lloyd's Register)



Foundry Approval (DNV - GL)



D-U-N-S Number 65-025-2641

► Awards



► List of Machinery

Sr.	Description	Make	Qty.
01.	Induction Furnace - 250kw with 250 Kg. & 150 Kg. crucible	Inductotherm	01
02.	Auto Clave	Energypack	01
03.	Wax Injection Press (Auto)	PMP	02
04.	Wax Injection Press	Mayur	08
05.	Wax Preparation Unit	Mayur	03
06.	Wax Extrusion Press	Mayur	01
07.	Jar Mill	Mayur	01
08.	Slurry Coating Drum	Mayur	04
09.	Sand Raining Unit	Mayur	01
10.	Fluidized Sand Bed	Mayur	03
11.	Centrally A.C. Plant - 11 & 16 Ton	Bluestar & ETA	05
12.	Dust Collector	Mayur	02
13.	Shell Baking Furnace	Mayur	01
14.	Knockout Machine	C.P.	01
16.	Shot Blasting Machine	Surfex	01
17.	Compressor 30 HP	Ingersoll Rand	02
18.	Compressor 30 HP	Kaeser	01
19.	Heat Treatment Furnace	KPT	01
20.	Hydraulic Press	Mayur	01
21.	De-Humidifier	Himalaya	01
22.	Cutting Machine	Mayur	01

► Inspection & Testing Equipments

Sr.	Description	Make	Qty.
01.	Optical Emmission Spectrometer	Spectro Gmbh	01
02.	Universal Tensile Testing Machine	FIE	01
03.	Brinell Hardness Tester - 3000 Kgs.	Saroj	01
04.	Rockwell Hardness Tester - 200 Kgs.	Fine	01
05.	Impact Testing Machine	FIE	01
06.	Mircoscope	Olympus	01
07.	Surface Plate	Microflat	03
08.	Height Gauge	Mitutoyo	03
09.	X-Ray Viewer	East West	01
10.	Temperature & Humidity Meter	Mextech	05
11.	Vernier Caliper	Mitutoyo	13
12.	Crack Detector	Magnaflux	01
13.	Profile Projector	Maruzen	01
14.	Hydraulic Test Pump	PEC	01
15.	Radiation Meter	Gamma-Scout	01
16.	Pressure Testing Unit	Fabricated	01
17.	Roughness Tester	Mitutoyo	01
18.	Electronic Height Gauge	Optima	01



SANSIDDHI TECHNOCAST Pvt. Ltd.



- **Sansiddhi Technocast Pvt. Ltd.** yet another venture of the Sumangal Group of Companies commenced its production from June, 2005. STPL is a very well laid out modern plant engaged in the manufacturing of Ductile Iron and Gray Iron Castings. The plant is having an installed capacity of 2000 MT per annum. The plant is installed in an area of 7000 Sq. Mtr.

The plant will have job handling capacity from 3.0 kgs. to 200 kgs. as single piece of Ductile Iron and Gray Iron Castings.

Our strategy is also to explore new fields where we can capitalise our advanced casting technology and high precision processing skills.

► SANSIDDHI TECHNOCAST PVT. LTD.

Office & Works Address

Plot No. 8-9, Survey No.191,
Veraval (Shapar), NH-27,
Tal.: Kotda Sangani, Dist.: Rajkot - 360 024.
(Gujarat) INDIA.

☎ +91.2827.253402

📠 +91.2827.253403

🌐 www.SumangalGroup.com

✉ Sansiddhi@SumangalGroup.com

► Contact Person:

Mr. Kamlesh Patel (Director)

► Quality Certification

ISO 9001 : 2008

► Established Year

2005

► Capital Employed

US \$ 2 Million

► Annual Turnover of Year 2018

US \$ 3.5 Million

► Plant Area

Total Area : 7,000 Sq. Mtr.
Covered Area : 4,000 Sq. Mtr.
Open Area : 3,000 Sq. Mtr.

► Production Capacity

2000 M.T. / Annum

► Working Staff

Total : 75 Persons
Technical : 08 Persons
Supervisor : 06 Persons
Skilled Workers : 10 Persons

► Job Handling Capacity

From 3.0 Kgs. to 200 Kgs. as single piece

► Materials Offered

Ductile Iron and Gray Iron

► Approvals





- ▶ Automobile Components
- ▶ Transmission Components
- ▶ Engine Components
- ▶ Insulator Components

▷ List of Machinery

Sr.	Description	Make	Qty.
01.	Medium Frequency Induction Furnace 500 kw.	Inductotherm	01
02.	Crucibles - 350 Kgs. & 500 Kgs.	Inductotherm	02
03.	Treatment Ladles - 350 Kgs. & 500 Kgs.	Shree Ram	04
04.	Semi Automatic Green Sand Plant	Rhino	01
05.	SJS Moulding Machine - Arpa 450	Sree Shakti	02
06.	SJS Moulding Machine - Arpa 300	Sree Shakti	02
07.	Core Sand Mixture - 100 Kgs.	Wesman	01
08.	Air Compressor - 100 CFM	IR & Kirloskar	02
09.	Overhead Electric Crane - 5 T & 2 T	Ganesh Egnitech	02
10.	Birail Crane - 500 Kgs.	Demag	04
11.	Automatic Cold Core Maker	S.S. Engineers	01
12.	Dust Collector	Orbit Industries	01
13.	Knockout Machine	Rhino	01

▷ Inspection & Testing Facility

Sr.	Description	Make	Qty.
01.	Q4 Tasman Optical Emmission Spectrometer	Bruker	01
02.	Universal Sand Testing M/c.	Versatile Equip.	01
03.	Sieve Analysis Appratus	Versatile Equip.	01
04.	Mould Hardness Tester	Versatile Equip.	01
05.	Core Hardness Tester	Versatile Equip.	01
06.	Moisture Tester	Versatile Equip.	01
07.	Sand Rammer	Versatile Equip.	01
08.	Compatibility Tester	Versatile Equip.	01
09.	Permeability Tester	Versatile Equip.	01
10.	Carbon Equivalent Meter	Ajay Sescon	01
11.	Immersion Pyrometer	Suyash	01
12.	Digital Temperature Indicator	Suyash	01
13.	Surface Plate - 900 x 900 MM	Microflat	01
14.	Universal Tensile Testing Machine 3000 Kgs.	FIE	01
15.	Metallurgical Microscope - 100X, 200X, 600X	Radical Inst.	01
16.	Brinell Hardness Tester	Bluestar	01
17.	Digital Height Gauge	Mitutoyo	01
18.	Digital Vernier Caliper	Mitutoyo	01
19.	Dial Vernier Caliper	Mitutoyo	02
20.	X-Ray Viewer	East West	01

▷ Ductile Iron Casting Grades

▷ Mechanical Properties

Grade	Tensile Strength (RM) N/mm ² min.	0.2% proof stress (Rp0.2) N/mm ² min.	Elongation (A) % min.
EN-GJS-400-18-LT1)	400	240	18
EN-GJS-400-18-RT2	400	250	18
EN-GJS-400-18	400	250	18
EN-GJS-400-15	400	250	15
EN-GJS-450-10	450	310	10
EN-GJS-500-7	500	320	7
EN-GJS-600-3	600	370	3
EN-GJS-700-2	700	420	2
EN-GJS-800-2	800	480	2
EN-GJS-900-2	900	600	2

▷ Gray Iron Casting Grades

▷ Tensile Strength in separately cast sample

Grade	Rm N/mm ² min
EN-GJL-150	150
EN-GJL-200	200
EN-GJL-250	250

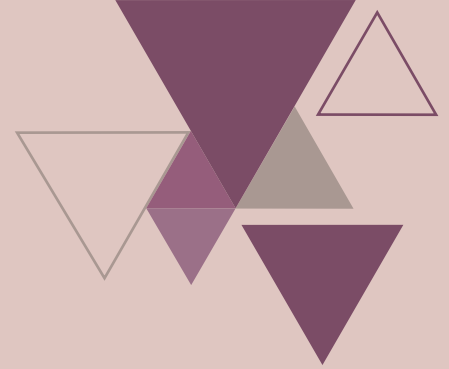


▷ Minimum impact resistance values measured on V-notched test pieces machined from separately cast samples.

Minimum impact resistance values (in J)

Grade	Mean value from 3 sets	Individual Value	Temperature
EN-GJS-400-18-LT1)	12	9	-20 ± 2°C
EN-GJS-400-18-LT2)	14	11	23 ± 5°C





► DIE CAST INDUSTRIES

Office & Works Address:

209/210 - C, Aji G.I.D.C., N. Road,
Rajkot - 360 003. (Gujarat) INDIA

🌐 www.SumangalGroup.com

✉ Diecast@SumangalGroup.com

► Contact Person:

Mr. Nilesh Patel (Director)
+91 98258 66344

► Nature of Business

Manufacturing of Zinc (ZAMAK)
Pressure Die Castings

► Established Year

1978

► Capital Employed

US \$ 1.7 Million

► Annual Turnover

US \$ 1.3 Million

► Production Capacity

1500 M.T. per Annum

► Job Handling Capacity

Zinc (ZAMAK) - few grams to 20 kg.

► Plant Area

Total Area : 1500 Sq. Mtr.
Covered Area : 1200 Sq. Mtr.
Open Area : 300 Sq. Mtr.

► Total no. of Employees

60 Persons

► Industries Catered

Automobile, General Engineering,
Electrical, Pump and more.

► List of Machinery

Sr.	Description	Make	Cap./Range	Qty.
01.	Fully Automatic Die Casting Machine	YIZUMI	500 MT	01
02.	Fully Automatic Die Casting Machine	L.K.	160 MT	01
03.	Fully Automatic Die Casting Machine	L.K.	80 MT	01
04.	Fully Automatic Die Casting Machine	FRECH	80 MT	01
05.	Fully Automatic Die Casting Machine	PRODUCER	40 MT	01
06.	Furnace for Metal Manufacturing	Customized	300 kg.	02
07.	Centralize Die Cote Lubricate System	Customized	--	03
08.	Cooling Tower	Premier	1500 LPH	02
09.	RO Water Treatment Plant	Pentair	1500 LPH	01
10.	Gas Fired Furnace	Customized	--	06
11.	Air Compressor	Hamworthy	200 CFM	02
12.	Air Compressor	Ingersoll-Rand	200 CFM	01
13.	Crane	BAJAJ	3 MT	01
14.	Lathe	Gujarat	--	02
15.	Radial Drill	Pillar	--	02
16.	Mould for Ingots	Customized	--	130

► Inspection & Testing Equipments

Sr.	Description	Make	Qty.
01.	Height Gauge	Mitutoyo	01
02.	Vernier Calipers	Mitutoyo	02
03.	Micrometers	Mitutoyo	04
04.	Surface Plate	Microflat	01
05.	Bore Gauge	Baker	02
06.	Depth Vernier Caliper	Mitutoyo	01
07.	Hardness Tester	Fine	01



► Precision CNC Machine Shop

The CNC Machining Division at Sumangal Group of Companies is totally based to complete all operations - Turning, Milling, Drilling, Hardening (optional) and Grinding (optional) to produce quality goods in the area of Automobile, Textile and other Engineering sectors through state of the art multi-tasking CNC shop and associated infrastructure to match the requirement of valued customers.

We believe, total quality in business is pre-requisite for the success.

► List of Machinery

Sr.	Description	Make	Qty.
01.	CNC Turning Center	Ace	06
02.	CNC Turning Center	Jyoti	02
03.	CNC Turning Center	LMW	02
04.	VMC	Ace	01
05.	VMC-LV80	LMW	02
06.	Air Compressor	Hava	02
07.	Air Compressor	Toyo	01
08.	Air Drying	Himalaya	02
09.	Bench Grinder	Soham	01
10.	Drilling Machine-1/2"cap	Dynametic	01
11.	Drilling Machine-1"cap	Dynametic	01

► List of Measuring Instruments

Sr.	Description	Make	Qty.
01.	Bore Gauge	Mitutoyo	08
02.	Micrometer	Mhar	07
03.	Vernier Caliper	Mitutoyo	05
04.	Digital Vernier Caliper, 150 mm	Baker	02
05.	Digital Vernier Caliper, 200 mm	Baker	02
06.	Digital Vernier Caliper, 300 mm	Baker	02
07.	Digital Vernier Caliper, 300 mm	Mhar	01
08.	Dial Vernier, 300 mm	Aospace	01
09.	Comparator Stand	MMT	04
10.	Dial Indicator, 0.002 mm LC	Mitutoyo	01
11.	Dial Indicator, 0.010 mm LC	Miranda	10
12.	Magnetic Stand	Mitutoyo	02
13.	"V" Blocks	Groz	02
14.	Combination Set	Mitutoyo	01
15.	Dial Indicator, 0.001 mm LC	Mitutoyo	02

► Inspection Equipments

Sr.	Description	Make	Qty.
01.	Master Height Gauge - 2D - Optima Plus	Electronica	02
02.	Height Gauge	Accurate	02
03.	Surface Plate	Microflat	02
04.	Portable Surface Roughness Tester	Mhar	02
05.	Air Plug Gauge System	Baker	04
06.	Profile Projector	Mitoya	01
07.	Digital Air Gauge	Size Control	02
08.	Digital Dial Indicator	Mitutoyo	03





SUMANGAL
GROUP OF COMPANIES

Office & Works :

Survey No. 155, S.I.D.C. Road,
Veraval (Shapar), NH-27,
Tal.: Kotda Sangani,
Dist.: Rajkot - 360 024.
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