

VARTIS ENGINEERING PVT. LTD.

QUALITY PRODUCT START WITH QUALITY RELATIONSHIP

YOU THINK, WE SHAPE.™



Precision Machined components made of :

CASTING
FORGING
BAR STOCKS
FABRICATION
WITH
ASSEMBLY



AN ISO 9001 : 2015 CERTIFIED COMPANY



ABOUT US

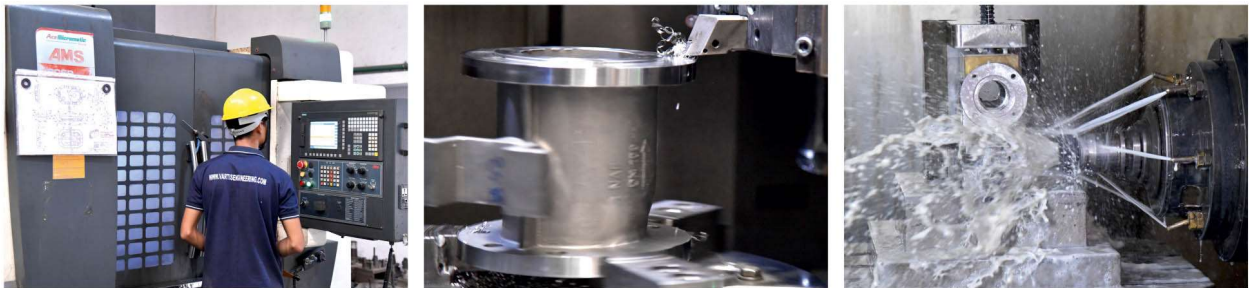
The journey of VARTIS ENGINEERING has started in the year of 1990. Since then we understand the need of the market and we have developed the capabilities of providing the best innovative solutions to our customers.

VARTIS ENGINEERING has become leading manufacturer and supplier of machined and assembled components made of Investment Casting, Grey & Ductile Iron Casting, Forging, Bar Stock, Aluminium Pressure Die Cast & Gravity Casting and fabricated components.

We are using the best in class technologies and metal casting resources in the manufacturing process to deliver high-quality customized machined products serving a wide variety of industries in domestic as well as international markets.

With the experience of more than 30 years and our experienced team, we provide value through continual process of improvement, research, development of Innovation and improvement.

CONTINUOUS IMPROVEMENT WITH LEAN MANUFACTURING DISCIPLINES



OUR CAPABILITIES

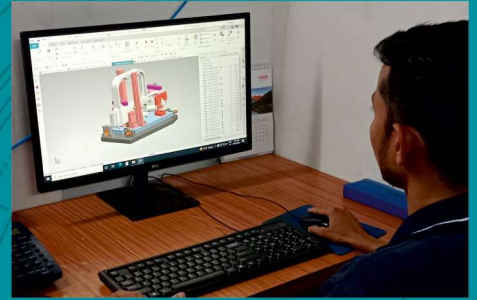
Over 30 Years of experience in casting and machining, makes VARTIS ENGINEERING a leading supplier of fully machined components in domestic and international markets catering to various industries.

The know how of our employee is at the heart of every project. With comprehensive test facilities we ensure superior quality in components and part to part consistency.

With four distinct capability areas, we deliver high volume, precision parts at competitive prices.

ENGINEERING

VARTIS ENGINEERING is aligned for product success from concept to reality. Our full service engineering department offers complete product development, tool design and process simulation. We deliver manufacturing excellence and service to exceed your



TOOL + DIE

Integrating industry leading technology, dedicated equipment and an experienced development team enables us to deliver a competitive advantage to our customers. Our in house tool and die manufacturing capability allows us to give speed-to-market solutions.

CASTING

Combined with our advanced engineering capabilities and experience, we can provide the optimum solution for every product. We use Gravity Die Casting technology to manufacture our Cast Aluminium Parts.

We produce Ductile Iron and Gray Iron castings in our Green Sand Casting process. VARTIS ENGINEERING is tenured in multiple Aluminium and Iron alloys.

VARTIS ENGINEERING also manufactures investment castings in various materials like Stainless Steel, Carbon steel, Low alloy steel, Aluminium alloy and any other as per customer specification. We comply to ASTM, AISI, DIN, EN and JIS standards.



MACHINING + ASSEMBLY

VARTIS ENGINEERING has a state of Art machine shop comprising of VMCS, HMCS and Turning Centers. The machining work centers enable us to produce precision accuracy with tremendous flexibility.

Our HMC machine's Pallettech system is a flexible production line which can meet any demand in terms of quality and quantity.

We offer various services to our customers like part surface treatments and assembly.

When a part or sub assembly reaches your facility, it is ready to install. This full service package gives our customers a competitive advantage.

QUALITY SYSTEMS

Our trained and experienced engineers work from early in the project all the way to completion. We determine materials and methods that ensure the product meets or exceeds customer's expectations. Our advance tools and techniques deliver the results with cost effectiveness.

During product development, VARTIS ENGINEERING uses a rigorous Advance Product Quality Planning (APQP) System which emphasizes process failure mode and effect analysis. Our engineers utilize leading edge methods to simulate the filling of the mould and the solidification process. Your virtual cast part is created in this way for optimization and the avoidance of any flaws.

In production we achieve quality control and prevent defects from passing to the next stage via three point quality check system namely, In Process Inspection, Final Inspection and Pre-Dispatch Inspection. Our fully equipped work stations found throughout our casting and machining facility are an evidence of our commitment to Quality.

Cad systems

- NX CAD & CAM- Siemens

Data exchange formats

- STEP 3D
- IGES 3D
- DWG 2D

Simulation software

- Magmasoft 5.4

ERP

- Solution One

MEASURE-TEST-DOCUMENT

Metal & Moulding Material

- Simulation Software- Magmasoft 5.4
- Thermo analysis
- Fully equipped Sand testing laboratory
- Metal Analyzer-Foundry
- Master Germany
- Microscopy
- Density Index Analyzer
- Tensometer and Die coat thickness and viscosity tester

Physical properties

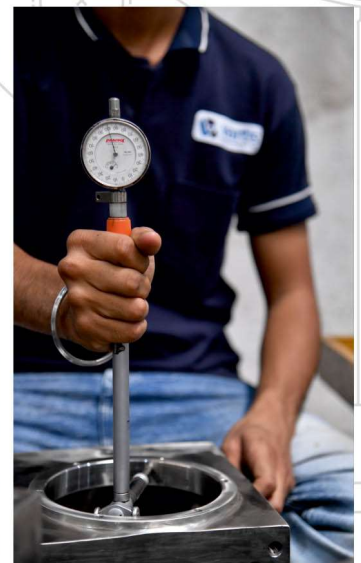
- Hardness testing
- Tensile testing
- X- ray testing
- Pressure test for leakage
- Ultrasonic testing

Measuring

- Zeiss Contura G2 CMM with scanning facility
- Mahr Marsurf XC2 for contour measurement
- Mitutoyo SJ410 surface roughness tester

Tool support system

- Shrink Fit Machine- Haimer (Germany)
- Tool Pre Setter – Zoller (Germany)



Our employees and processes are certified according to the following standards :



MACHINERY LIST

SR.	MACHINE TYPE	MODEL NO.	MAKE	SPINDLE	RPM
1	VMC MACHINE	850	ACE	BT-40	8000
2	HMC MACHINE	HSX 650	JYOTI	SK50	10000
3	HMC MACHINE	HMC560	JYOTI	SK50	10000
4	HMC MACHINE	HX500	JYOTI	SK50	6000
5	HMC MACHINE	HM4	OKK (JAPAN)	CAT40	10000
6	HMC MACHINE	HSX 650	JYOTI	SK50	10000
7	HMC MACHINE	HMC450	JYOTI	BT40	10000
8	HMC MACHINE	HX400	JYOTI	BT40	8000
9	VTL LATHE	VTL-40	ACE	32	2000
10	CNC LATHE	LL30T L7	LMW	A2-8	3000
11	VMC MACHINE	JV80	LMW	BT-40	8000

COMPLETE SOLUTION FOR CASTING



PRODUCTS GALLERY

Investment Casting Components



Grey & Ductile Iron Casting



Forging & Solid Bar Stock Components



Aluminium Die Casting & PDC Components



INDUSTRIES WE SERVE

- Pumps & Valves
- Automotive
- Marine Transmission
- Food Processing
- General Engineering
- Oil & Gas
- Industrial Electrical
- Earth Moving Equipments
- Arow Space
- Agriculture
- Hydraulics
- Textile



GLOBAL REACH



A LEADING MANUFACTURER AND EXPORTER OF PRECISION CUSTOMIZED MACHINED COMPONENTS

“ THE CUSTOMER’S PERCEPTION IS OUR REALITY “



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