

Certificate



WE SUPPORT



KALP ENGINEERING

Kalp Engineering

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Vatsal Metal Cast

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TRUeDesign®



KALP ENGINEERING

AN **IATF 16849** CERTIFIED COMPANY

MFG. OF
AUTOMOTIVE
COMPONENTS

Our Commitment to Excellence Ensures That Every Product We Deliver is Crafted With Precision And Built For Durability.





KALP ENGINEERING



ABOUT US

An industry leader with advanced technologies and creative solutions shaping the future of mobility.

CERTIFIED COMPANY

IATF

16949

to ensure consistency and continuous enhancement in quality management.

Overview :

Kalp engineering is a leading manufacturer of high-quality automotive components that cater to the needs of the global automotive industry. With a commitment to innovation, precision, and reliability, we specialize in the design, engineering, and production of a wide range of components, including engine parts, suspension systems, transmission components, electrical assemblies, and safety systems.

Our state-of-the-art manufacturing facility is equipped with the latest technology, enabling us to provide superior products that meet or exceed the stringent quality standards set by oems (original equipment manufacturers) suppliers. We leverage advanced materials, rigorous testing protocols, and lean manufacturing practices to ensure that each part we produce contributes to the performance, safety, and longevity of the vehicles they are used in.

At kalp engineering , we take pride in our collaborative approach with clients, understanding their unique requirements, and delivering tailored solutions that help them stay competitive in an ever-evolving automotive landscape. Our core values of innovation, quality, and customer satisfaction are the driving force behind everything we do.

Quality Policy

At Kalp engineering, quality is at the heart of everything we do. We are committed to delivering automotive components that meet the highest standards of performance, safety, and durability. Our goal is to consistently exceed customer expectations by providing products that are reliable, cost-effective, and delivered on time.

We ensure product excellence through:

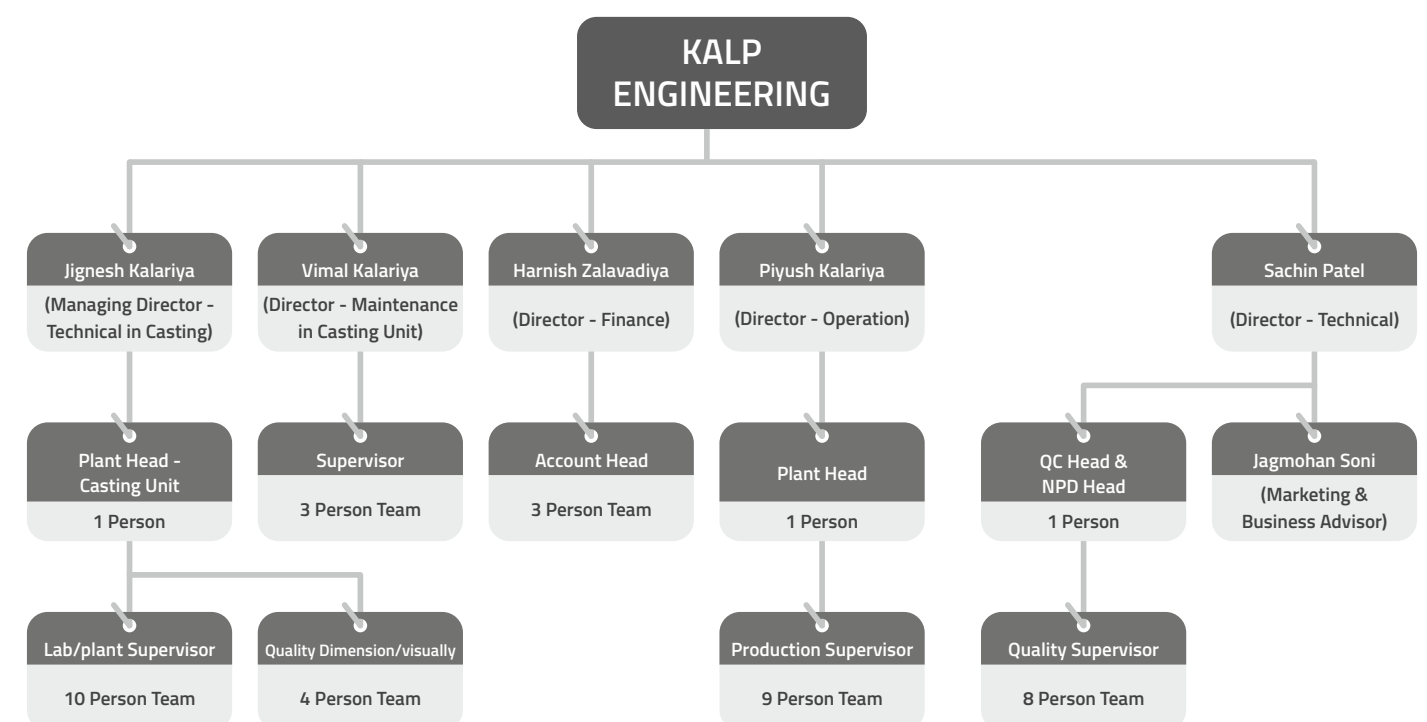
Rigorous Testing: Each product undergoes comprehensive testing to ensure it meets the required specifications and industry standards. Continuous Improvement: We actively pursue innovations in manufacturing processes, materials, and design to drive improvement and achieve operational excellence. Compliance with Standards: We adhere to international quality standards, including ISO 9001 and IATF 16949, to ensure consistency and continuous enhancement in quality management.

Knowledge-driven innovation for continuous improvement.
Achieving customer satisfaction through excellence.
Leveraging teamwork and technology for superior results.
Promoting sustainable and ethical practices in all endeavors.

Core Purpose

Our core purpose is to drive the evolution of the automotive industry by providing cutting-edge components that enhance the safety, performance, and sustainability of vehicles. We strive to create long-lasting value for our customers, employees, and stakeholders by fostering a culture of innovation, collaboration, and integrity.

Organization Structure





Machinery Overview

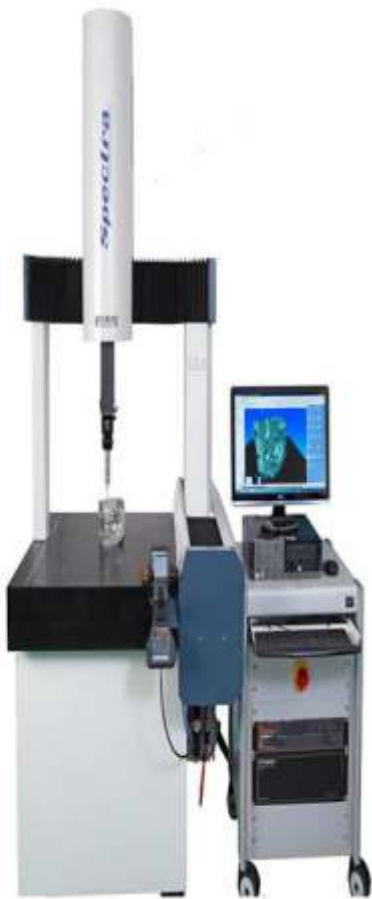
Sr. No.	Machine Type	Machine Model	Quantity	Spindle Type	Stroke
1	VMC	Global 850	1	BT-40	850 x 500 x 500
2	VMC	Bridgeforde	1	BT-40	500 x 500 x 500
3	VMC	ACE Micromatic MCV 450	2	BT-40	850 x 450 x 500
4	VMC	Maximart	1	BT-40	850 x 500 x 500
5	VMC	Jyoti PX-20	1	BT-40	500 x 500 x 500
6	VMC	Jyoti 850	2	BT-40	850 x 500 x 500
7	VMC	Macpower V855 Super	3	BT-40	850 x 510 x 510
8	CNC	Global	3	A2-6	200 x 500
9	CNC	Super turn CNC	2	A2-5	200 x 450
10	CNC	Biglia	1	A2-6	200 x 500
11	Conventional Milling	Sunrise	5	BT-40	500 x 200
12	Conventional Milling	Sunrise	5	BT-40	600 x 250
13	Conventional Milling	Gajjar	4	BT-40	600 x 250

Collection of Measurement Apparatus

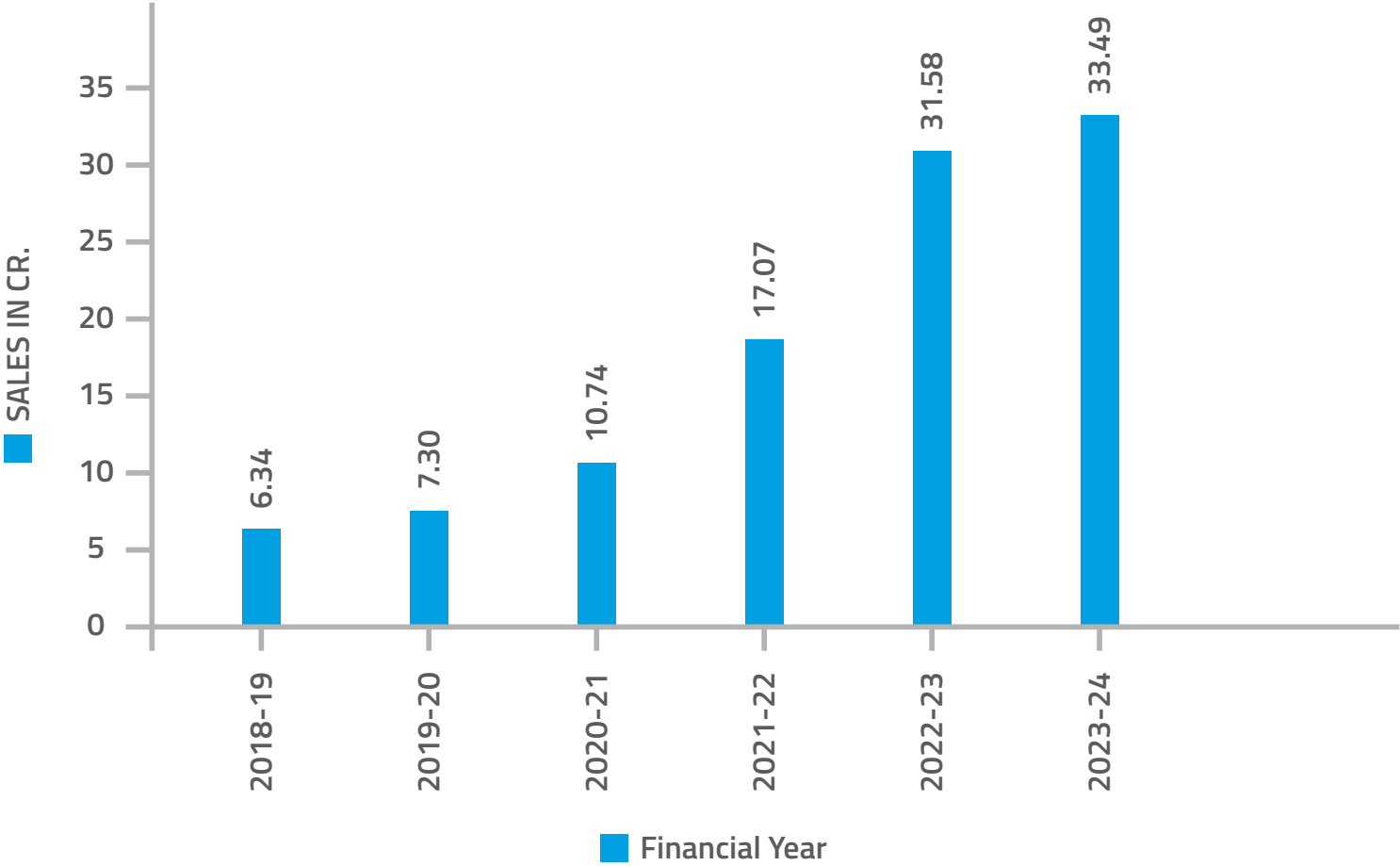
Sr. No.	Description	Qty.	Make	Size / Range
1	HEIGHT Gauge 300mm	3	Insize	0-300mm
2	ROUGHNESS TESTER MAHR	1	Mahr	-
3	DIGITAL VERNIER 200MM,300MM	7	Insize	0-300
4	DIAL VERNIER 300MM	1	Mitutoyo	0-300
5	DIAL BORE GAUGE SET (10MM TO 300MM)	8	Mitutoyo	18-150
6	MICROMETER SET (0 TO 50MM)	3	Insize	0-50
7	SURFACE GRANITE PLATE 1000MM X 1000MM	1	Micro Flate Datum	100 x 100mm
8	DIGITAL HEIGHT MASTER 600MM x 600MM	1	Optima Advantage	600 x 600mm
9	SLIP GAUGE SET	1	insize	0.5 - 100mm
10	DIGITAL DEPTH VERNIER	1	insize	0-150 mm
11	BEVEL PROTECTOR (ANGULAR MEASUREMENT)	1	insize	0-180°

CMM Machine

Specification :
X axis : 500
Y axis : 600
Z axis : 400
Model Name :
Accurate (Spectra)



Company Revenue



Our company is dedicated to producing high-quality products that meet the needs of manufacturers. We focus on precision, durability, and innovation, ensuring that each item is built to enhance operational efficiency. With a commitment to sustainable practices, our products are not only reliable but also eco-friendly.





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Infrastructure



Raw Material Area

Machine Shop



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Packing Area



CED UNIT



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Infrastructure



Fixture Area



Quality Room



Receiving Gauge



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Our Products

Engine Mounting Bracket





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Suspension Bracket



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Our Other Part



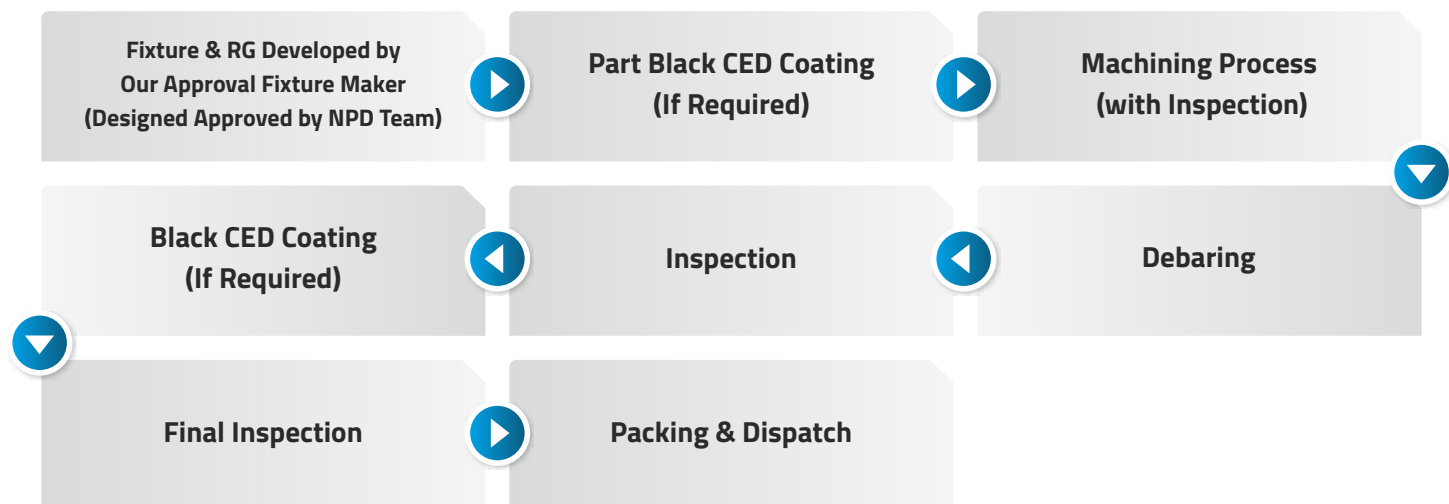


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Process Chart



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Available Facilities in Casting Unit

Manufacturing Facility

Sr. No.	Description	Make	Capacity	Quantity
1	Core Sand Mixing Machine	Pithva	100 kg/Batch	2 Nos
2	Sand Plant	Rhino	60 Mould/Hour	1 Nos
3	Moulding Machine	Rhino	60 Mould/Hour	1 Nos
4	Crucible Furnace	Inductotherm	500 kg	2 Nos
5	Pouring laddle	Pithva	1000 Kg-2 Nos & 300 Kg-4	6 Nos
6	Knockout	Rhino	60 box/Hour-Mould Break	1 Nos
7	Chipping	-	-	-
8	Shot Blasting	Patel	250 kg/Batch	1 Nos
9	Fettling	Rajlaxmi	Bench grinder	3 Nos
			Zulla Grinder	2 Nos
			Chain Grinder	4 Nos

Core Facility

- Co2 Core
- Cold Core Machine

Lab Facility

Sand Testing Equipment

Sr. No.	Description	Make	Quantity
1	Green Sand Moisture Tester	Kelson	1 Nos
2	Core Hardness Tester	Kelson	1 Nos
3	Moulding Hardness Tester	Kelson	1 Nos
4	Raiming	Kelson	1 Nos
5	Permeability Meter	Kelson	1 Nos
6	Universal Strength Machine	Kelson	1 Nos
7	Sand Siever	Kelson	1 Nos
8	Active Clay And Dead Clay	Kelson	1 Nos
9	Sand Washer	Kelson	1 Nos
10	Wet Tensile	Kelson	1 Nos

Other Equipment

Sr. No.	Description	Make	Quantity
1	Oven	Dev Enterprise	1 Nos
2	Muffle Furnace	Dev Enterprise	1 Nos
3	Live Spectro Display	Bhakti Engineers	1 Nos
4	Live Temp. Gun	Ametek Land	1 Nos

Mechinal Testing Equipment

Sr. No.	Description	Make	Quantity
1	Universal Strength Machine	Fine Spavy Associates	1 Nos
2	Brinell Hardness Tester	Fine Spavy Associates	1 Nos

Chemical Properties Testing Equipment

Sr. No.	Description	Make	Quantity
1	Spectro Machine	Hitachi	1 Nos

Metallographic Testing Equipment

Sr. No.	Description	Make	Quantity
1	Micro Scope Machine	Metalsoft	1 Nos



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Our portfolio Includes below material grades aswell other grades as specified by the customer.

- SG400/12
- SG400/15
- SG450/10
- SG500/7
- SG600/3

Sand Plant

Facility of Sand Plant:

- Automatic High Pressure Moulding
- Automatic Track Line
- Auto Preparation Sand

Plant Description:

- Make : Rhino
- Capacity : 60 Mould Box/hour
- Matchd Plate Size : 550 x 550 mm
- Mould box size : 600 x 600 x 150mm | 600 x 600 x 175mm



Mfg. of Automotive Components

Material Grades



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Spectro & Micro

Spectro



Micro Structure



UTM



Hardens Tester



Our Esteemed Clients

VE commercial vehicles ltd:

- Pithampur (Madhya Pradesh)
- Bhopal (Madhya Pradesh)
- Dewas (Madhya Pradesh)

Vrundavan Auto Product:

- Amreli, Rajkot, (Gujarat)

Kotech Steel Forge & Cast Industries Pvt Ltd:

- Metoda, Rajkot, (Gujarat)

Mfg. of Automotive Components