



KIE
Engineering

**Cast. Machined.
Certified.**

Grey and ductile iron components for the world's vehicle makers

KIE ENGINEERING PVT. LTD.

CASTING SINCE 1963 · IATF 16949 : 2016

WHO WE ARE

Six decades of casting iron



KIE Engineering began in 1963 with a single foundry and a straightforward idea: that a customer should be able to buy a finished component, not a raw casting that still needs three more suppliers to make it useful.

Six decades later that is still how we work. We melt, mould, pour, fettle, machine, paint, balance and leak test under our own roofs — four plants across Agra, Roorkee and Solapur, 800 people, and 50,000 metric tonnes of annual casting capacity.

Seventy per cent of what we make goes directly to OEMs, the balance to their Tier-1 suppliers.

We are a private, family-run business now in its fourth generation, and part of a four-division manufacturing group. That matters commercially: decisions are made quickly, and customer relationships are measured in decades rather than quarters.

*Engineering solutions.
Building tomorrow.*

1963

casting since

50,000

MT annual capacity

800+

people

4

plants, three states

50,000 metric tonnes of casting capacity a year, across four plants.

A further 30,000 tonnes a year currently under expansion.



KIE ENGINEERING

WHO WE ARE

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Four plants, one network

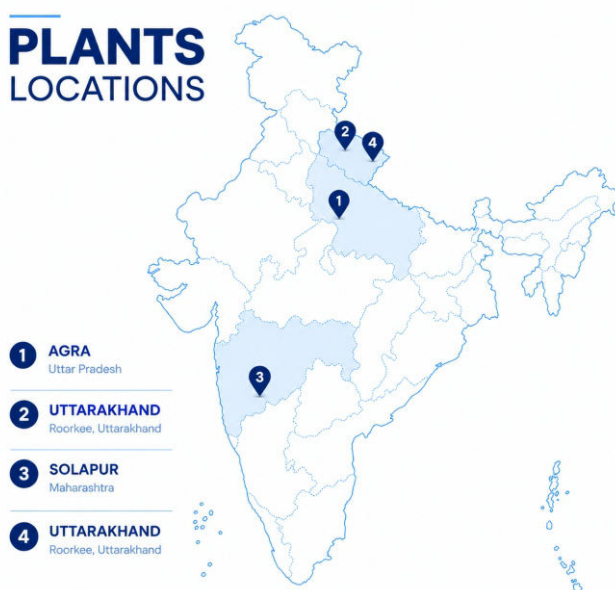
PLANT I		Agra, Uttar Pradesh
Furnace	500 kg and 350 kg	
Moulding	Two jolt-squeeze lines	
Flask size	500 × 450 × 150/150 mm 600 × 550 × 150/125 mm	
Line speed	40 moulds / hour	
Capacity		700 T / month

PLANT II		Roorkee, Uttarakhand
Furnace	Six — 1 T, 1 T tri-track, 1.5 T, 0.5 T	
Moulding	SINTO high-pressure line plus five jolt-squeeze lines	
Flask lines	DISA 900 · ARPA 600 ×3 · ARPA 450	
Line speed	80 moulds / hour (SINTO)	
Capacity		3,200 T / month

PLANT III		Solapur, Maharashtra
Furnace	0.75 T induction, single track	
Moulding	Two simultaneous jolt-squeeze lines	
Flask lines	SM 600 · DISA 300	
Line speed	40 moulds / hour	
Capacity		500 T / month

PLANT IV		Roorkee, Uttarakhand
LIVE SINCE SEPTEMBER 2025		
Furnace	2.5 T tri-track	
Moulding	Fully automatic HWS SINTO high-pressure line	
Flask size	1050 × 750 × 300/300 mm	
Line speed	120 moulds / hour — our fastest	
Press Pour automatic pouring, 4 T capacity. 100 ft cooling line. Air-flow technology for consistent, defect-free castings.		
Capacity	3,000 T / month	

PLANTS LOCATIONS



The KIE Group

KIE Engineering — castings and machining
 KIE Hardware — brass and aluminium
 KIE Infra — infrastructure
 Indian Rubber Products — rubber mouldings

Every engineering company in the group is IATF 16949:2016 certified.

Product spectrum

Twelve part families in grey and ductile iron, cast, machined, painted and tested in our own plants and shipped as finished components.



BRAKE DRUMS
35,000 / month
3 – 84 kg



FLYWHEELS
14,000 / month
19 – 55 kg



WHEEL HUBS
30,000 / month
1 – 47 kg



CLUTCH HOUSING
3500 / month
16.8 kg



FRONT AXLE SUPPORT
6000 / month
42 kg



SPRING BRACKET
4000 / month
8 - 23kg



BEARING BRACKET
20000 / month
9 - 19.3 kg



LIFTING BRACKET
8000 / month
17-27.5 kg



NODO BRACKETS
900 / month
51 - 54 kg



CYLINDER HEAD
1500 / month
4 - 7.5 kg



OIL SUMP
800 / month
54 kg



MOTOR CASE
700 / month
21 kg

CASTING CAPABILITY

Weight range

0.5 kg to 250 kg

Brackets, all types

50,000 / month · 1.5 – 84 kg

Grey iron

FG 150 to FG 300a

Ductile iron

SG 400/15 to SG 700/2

82,000 finished parts leave our plants every month.

Small, medium and large lots, with dedicated cells for high-volume parts.

WHAT WE MAKE

Six industries served

We produce to customer drawing and specification, in small, medium and large lots, for six distinct end markets.



AUTOMOBILE

Brake drums, hubs, flywheels, brackets and housings for commercial vehicles, passenger cars and three-wheelers.



AGRO

Housings, flywheels, brackets and hydraulic lift components for tractors and farm machinery.



COMPRESSORS

Housings, covers and bearing carriers for reciprocating and rotary compressors.



VALVE

Valve bodies, bonnets and covers in grey and ductile iron, to customer drawing.



GENERAL ENGINEERING

Machine bases, gearbox housings, pulleys and structural castings.



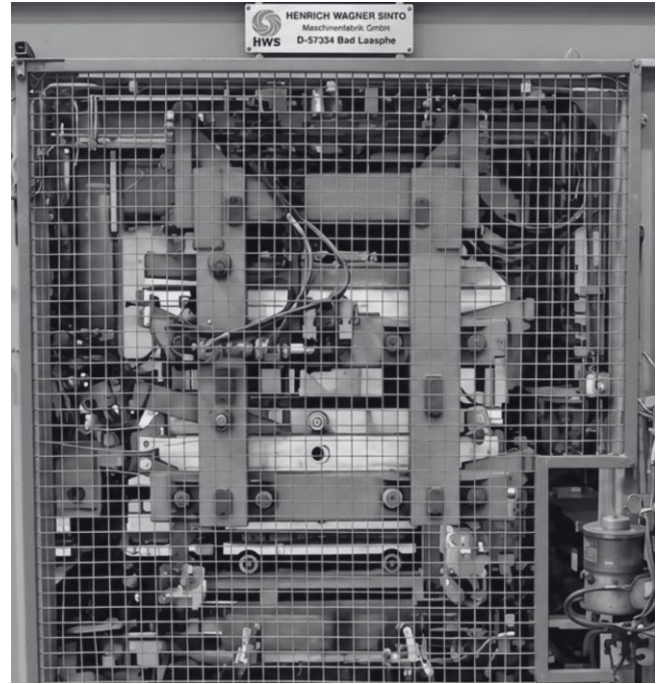
POWER GENERATION

Housings and structural castings for generating sets and power equipment.

Also supplying railways and defence programmes.

Produced to drawing and specification, to the same standard as our automotive work.

Melting, core making, moulding, pouring



Our foundries run medium-frequency induction melting furnaces across four plants, with a combined capacity of 50,000 metric tonnes per year and a further 30,000 tonnes a year under expansion.

Two SINTO high-pressure moulding lines carry the volume work, at up to 120 moulds an hour, alongside jolt-squeeze lines for smaller lots. Sand is prepared on a 120 tonne-per-hour plant with automatic addition of water, bentonite and coal dust, and returned through a closed loop from knockout back to the sand plant.

Cores are produced in our own core shop on cold box machines, so core supply is never a constraint on the moulding lines.

Foundry capability

Annual capacity	50,000 MT
Sand plant	120 T / hour
Moulding	SINTO x2, plus jolt-squeeze
Max mould rate	120 moulds / hour
Core making	Cold box

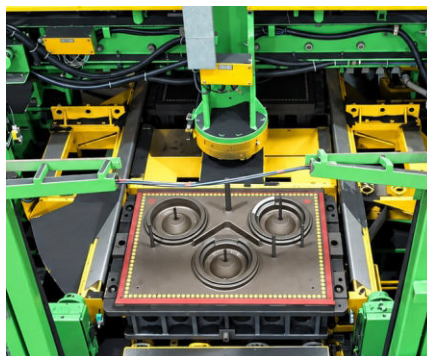
Grades we cast

GREY IRON

FG 150 · FG 200 · FG 260 · FG 300 · FG 300a

DUCTILE IRON

SG 400/15 · SG 500/7 · SG 600/3 · SG 700/2



Fettling, machining and painting



A casting is only half a component. What arrives at your line should be ready to fit.

Fettling

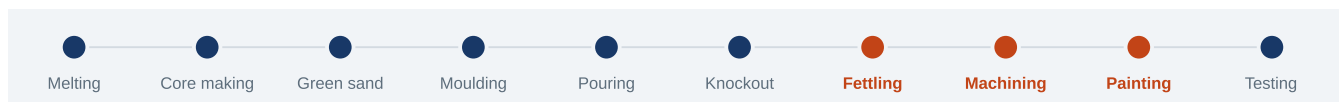
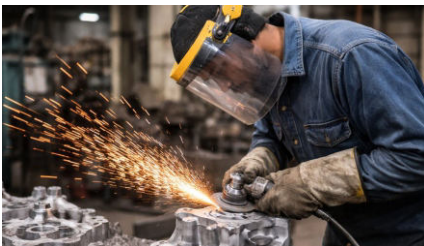
Every casting passes the full route in-house — decoring, breaking, chipping, shot blasting, grinding and cutter grinding. Runners and risers go straight back into the charge, which keeps yield, and therefore your cost, under control. Nothing is subcontracted.

Machining

Over 300 machines — VMC, HMC, CNC turning, special-purpose machines and vertical turret lathes — in cells dedicated to individual customers and part families rather than as a general job shop. Machined parts are jet-washed, dynamically balanced, leak tested and laser QR-coded before dispatch.

Painting

A continuous painting line with oven-baked paint, proven beyond 300 hours of salt spray life. Both dip painting and spray painting are available, finished to customer specification.



Certified. Measured. Traceable.

End-to-end inspection at every stage. Twenty-three test facilities sit inside our own plants, so nothing waits on an outside laboratory — and our systems are audited by the people your own customers trust.

INDEPENDENTLY CERTIFIED

 IATF 16949 : 2016 TÜV Rheinland Cert GmbH Engine, transmission, chassis and brake components. Valid to 19 January 2027.	 VDA 6.3 Winkelmann Group Full third-party process audit completed for the Winkelmann Group, covering our foundry and machine shop.	 CARE A- · stable CARE Ratings Long-term bank facilities independently rated, with a stable outlook.	 Import-Export Code Government of India Issued by the Ministry of Commerce — cleared to export worldwide.
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TWENTY-THREE TEST FACILITIES, ALL IN-HOUSE

Foundry & metallurgy

- Spectrometer — every heat
- Image analyser
- CE meter
- Pyrometer
- Microscope
- Brinell hardness tester
- Universal testing machine
- Mould hardness tester

Sand laboratory

- Green compression strength
- Moisture tester
- Compactability tester
- Permeability tester
- Sieve shaker — AFS number
- Loss on ignition
- Total clay
- Active clay
- Volatile matter

Machine shop

- Coordinate measuring machine
- 3D scanner
- Magnetic particle inspection
- Millipore cleanliness
- Dynamic balancing
- Leak testing

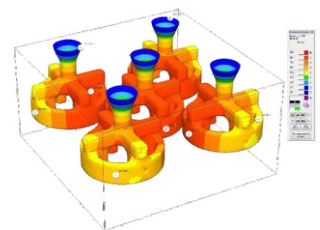
Plus a full set of dimensional gauges — height, bore, air plug, micrometer, vernier and surface roughness — and scratch hardness and core determinator testing for cores.



SOLIDIFICATION SIMULATION

Every new pattern is simulated before it is cut.

Filling and solidification are modelled for every new part, so gating and feeding are proven on screen and shrinkage designed out before any money is spent on tooling.



CUSTOMERS

Long-standing, not transactional

Over six decades we have built extensive, long-standing relationships with our customers, and we believe we are among the preferred suppliers to leading Indian and global vehicle makers.

Our customer base is diversified across Original Equipment Manufacturers and Tier-1 suppliers in the commercial vehicle, tractor, off-highway, compressor and railway segments. Seventy per cent of what we make goes direct to OEMs. We are a strategic supplier to Ashok Leyland, Daimler, Dana Spicer, Meritor, Mahindra, Tata Motors, Eicher, Brakes India, Rane, Hyva, Edbro, Sidem, Ingersoll Rand, Interpump, Polaris, TAFE, Sonalika, Simpson, BHEL and Indian Railways — several of them for more than twenty years.



70% direct to OEM

30% to Tier-1 and Tier-2

63 years of continuous supply

Sixty-three years of continuous operation. Four plants built over that period, the newest brought on stream in September 2025, with a further 30,000 tonnes a year under expansion. Privately held, family-owned into a fourth generation.

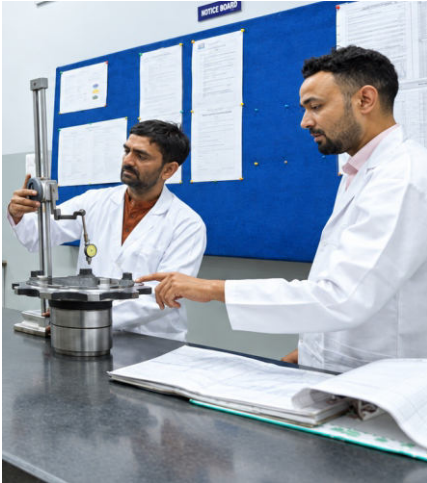
Our plants are open to customer visit and audit at any time. Several of the relationships above began with exactly that — an engineer walking the floor at Agra or Roorkee before a single part was quoted.

50,000 tonnes a year today. A further 30,000 tonnes under expansion.

OUR PEOPLE

800 people, one standard

Machines do not make good castings on their own. Green sand behaves differently in July than it does in January, and knowing what to change is experience, not an instruction manual.



Eight hundred people work across our four plants — metallurgists, moulders, machinists, quality engineers and programmers. Many have spent their whole working lives with KIE, and several are the second generation of their family to do so.

Our technical team leads the business directly: this is a company run by engineers, now in its fourth generation of family ownership. We train continuously, because IATF 16949 requires it and because a foundry that stops learning starts producing scrap.

800+

people across four plants

63

years of operation

4th

generation, family-owned

4

plants across three states



Come and see it for yourself.

All four plants are open to customer visit and audit at any time.

What you get



1 One roof, one accountability

Melting through machining and painting on the same site. No hand-offs between suppliers, no arguing about whose fault a dimension is.

3 Control at every stage

Twenty-three inspection and test facilities in-house — from spectrometer analysis of every heat to final dimensional validation on CMM.

5 People who have done it for decades

Eight hundred across four plants — metallurgists, moulders, machinists and quality engineers. A company run by engineers.

2 Capacity built for growth

50,000 tonnes a year across four plants, with a further 30,000 tonnes under expansion. Plant IV came on stream in September 2025.

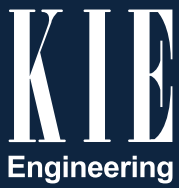
4 A supplier you can audit

Four plants, open to visit, IATF 16949 certified, with a third-party process audit already on file.



Send us a drawing and an annual volume.

We will come back with a cost, a tooling plan and a PPAP timeline.



KIE ENGINEERING PVT. LTD.

Unit 1 — Agra

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Agra, Uttar Pradesh 282006, India

Units 2 & 4 — Roorkee

28, KIE Industrial Estate, Mundiya
Roorkee, Uttarakhand 247667, India

Unit 3 — Solapur

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Solapur, Maharashtra 413255, India

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