

Ganga R K Industries Pvt. Ltd.

Kotecha Steel Forge & Cast Industries Pvt. Ltd.

Kotecha Steel Forge Pvt. Ltd.

Since **1979** 

COMPANY **PROFILE** 

R.G.K. GROUP OF **INDUSTRIES** 





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#### **ABOUT US**

Our Chairman and founder *Mr. R.G. Kotecha*, being a passionate technocrat person with a business acumen and hard worker, is now leading *RGK GROUP OF INDUSTRIES* in *Rajkot, Gujarat, INDIA*.

**Mr. Kotecha** has more than 37 years of experience in Engineering field; under his supervision, efforts and motivation we have qualified team of Business driven, Technocrats and Executives today with an annual group turnover of 600 million INR with 250+ employees.

We are having State of the Art automatic DISAMATIC Foundry with IOT compliance equipment's and digitalized data for quality control, modern CNC, VTL, VMT, HMC, Balancing, Honing, Shot blasting, OTC Robotic Welding, Heat treatment, etc. We are at this stage and are leading Manufacturer & Exporter of our region also engaged in the field of engineering sector specially in Agriculture, Construction, Transport, Food & Beverage, Power, Solar, Pumps, Pre & Post Harvest machinery and projects.

For our work in exports, our companies have been awarded the status from Government of India Recognized "Export house".

Within a span of three decades and with the benefits of a constantly advancing technical environment & our team, we have built an enviable reputation as a leading player in this industry.

An RGK Group Enterprise maintains a premier position in the market today by virtue of its dedication to *quality products* and its *strong* sales *network* to cater to the needs of the other engineering manufacturer's and replacement market.



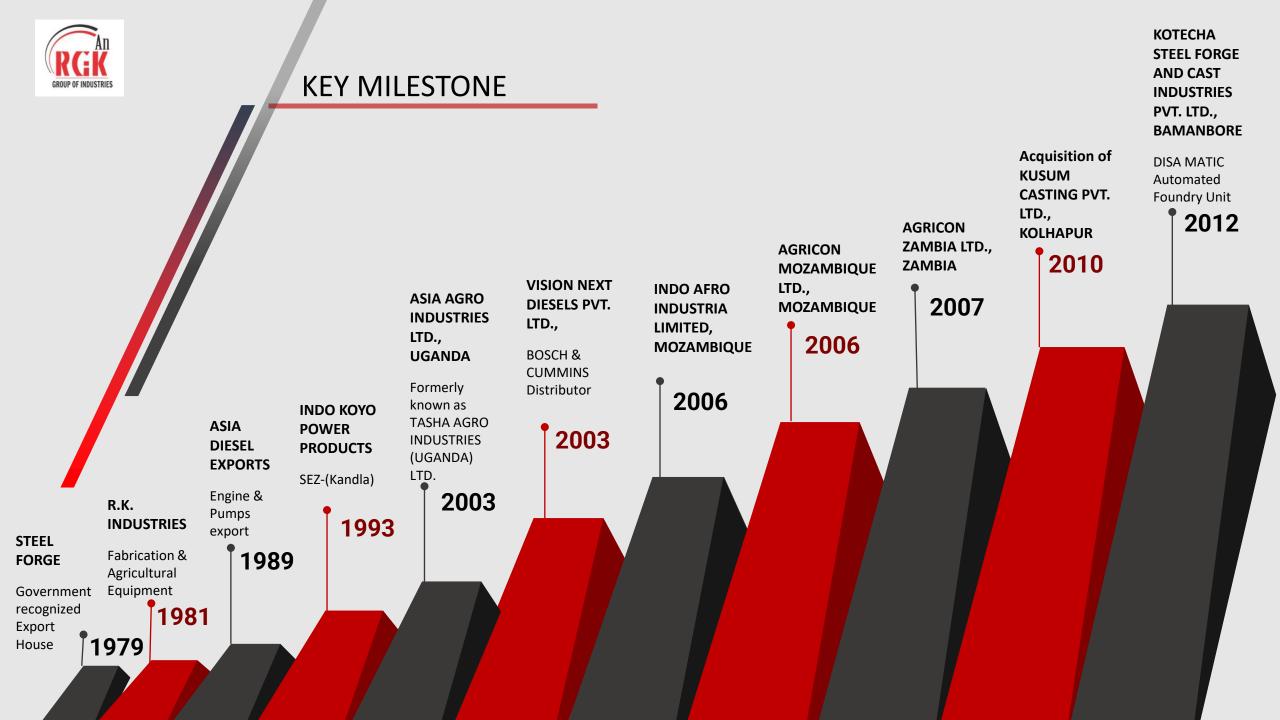




Our mission is to produce and continually develop quality products at a competitive price while fostering a climate where environmental technologies can thrive. We will always strive to service our customer with the utmost integrity, and to their complete satisfaction. It is our goal to ensure our mission by continuous self improvement, growth in our operations and employees; while maintaining profitability to the benefit of our customers, potential partners, employees, and community. All employees will work together in combining their efforts and skills to ensure our mission and goals are fulfilled in a courteous manner.

#### **VISION STATEMENT**

The vision of RGK GROUP is to continue the heritage of our Company and be a premier INDIAN manufacturer of top quality products. We dedicate ourselves to be the supplier or potential partners of choice when our type of products are being sought. This vision will be accomplished by sharing the responsibilities of planning and decision making with all of our employees. INDIA will strive to maintain the image it has developed over the many years with its suppliers, employees and community as a company of excellence.







Foundry at a glance







Induction



Molten Metal pouring through





Equipments in the Foundry	Kusum Casting Pvt. Ltd.	Ganga R.K. Industries Pvt. Ltd.	Steel Forge and Cast Industries
,			Fully Equipped with DISAMATIC LINE
Moulding Facilities	Two lines of moulding machine capacity- 450 kg	Hand moulding facility with the capacity- 350 kg	One line of moulding machine capacity - 450 kg
Mould Handling system	By rail	Manual	Fully Automated with a push pull cylinder
Box Size a)	700mm x 600mm x 200/250mm height. With an extension of 100 mm the height can go up to 300 mm	Flexible box size	700mm x 600mm x 200/250mm height. With extension of 100 mm the height can go up to 300 mm
b)	600mm x 500mm x 200/250mm height. With extension of the 100 mm the height can go up to 300 mm		
Mixer	Intensive mixer capacity - 500 kg & 300 kg	Intensive mixer capacity - 100 kg	Intensive mixer capacity - 500 kg , (With the control panel to control the addition of the additives and water by PLC)
Sand Plant	Fully automated sand plant with capacity of 17 MT sand/hr. with Sand collar, Belt converyers, Vibro knock out	Manually operated	Fully automated sand plant with capacity of 17 MT sand/hr. and additional provision for 30MT sand/hr, with Sand collar, Belt converyers, Vibro knock out
Melting			
a) Induction Furnace	450 kw with 2 , 500kg pots capacity by (Electrotherm)	100 kw with a 150kg pots (Electrotherm)	450 kw with 2, 500kg pots (Inductotherm)
b) Cupola	2 cupola - 18"/ 24"	2 cupola - 18"	2 cupola - 18" (Designed by Teri)
Quality Checking Equipment	Spectro, CE Meter, Micro scope with Image analyzer checking, Well Equipped lab for the testing the incoming material as well as sand properties	CE meter, well equipped lab for testing the incoming material as well as sand properties	Spectro,CE Meter, Micro scope with Image analyzer checking, well Equipped lab for the testing the incoming material as well as sand properties
Cold Box Core Shooter	10 ltr. capacity - horizontal parting	5 ltr. capacity vertical parting	10 ltr. capacity - horizontal parting with double station
Machine Shop	CNC - 2 Nos.		CNC - 4 Nos. VMC - 2 Nos.

Power Press Capacity 5-100 Ton



Horizontal Cold Box Core Shooter

Double station –

10 kg & 20 Kg



Vertical Cold Box Core Shooter - 30 kg





Sand Testing Lab



Hardness Testing



Visual Inspection



Visual Inspection



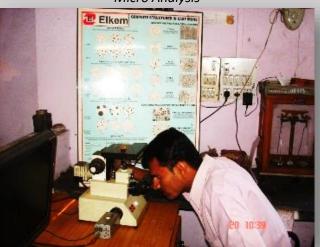
Core Scratch Hardness Inspection



Spectro Analysis



Micro Analysis



Height Master





Fully Automatic Sand plant with 30 MT/hour Sand Handling system



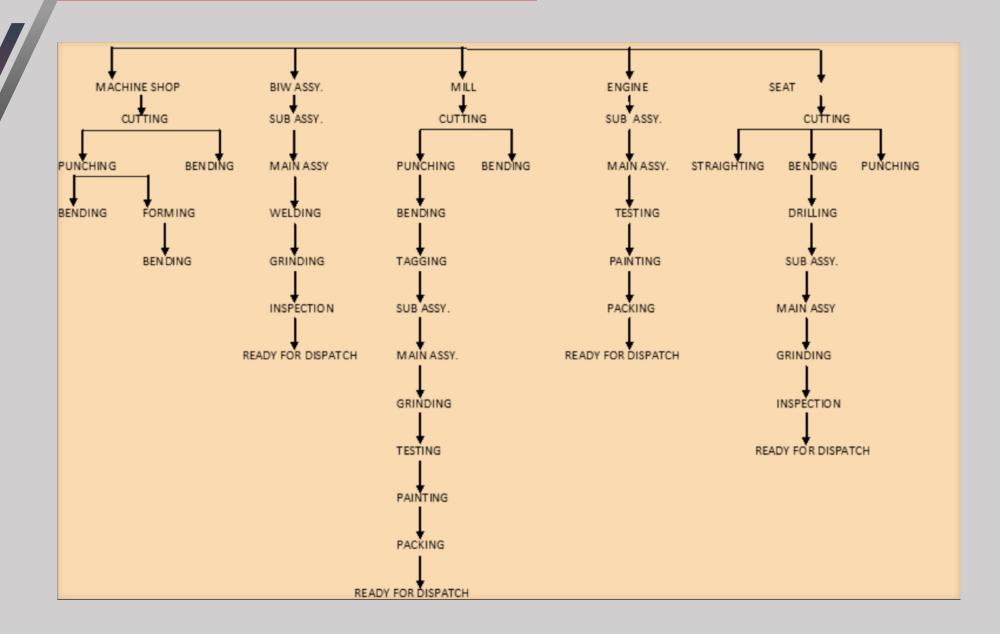


AP 14 Shot Blast Machine



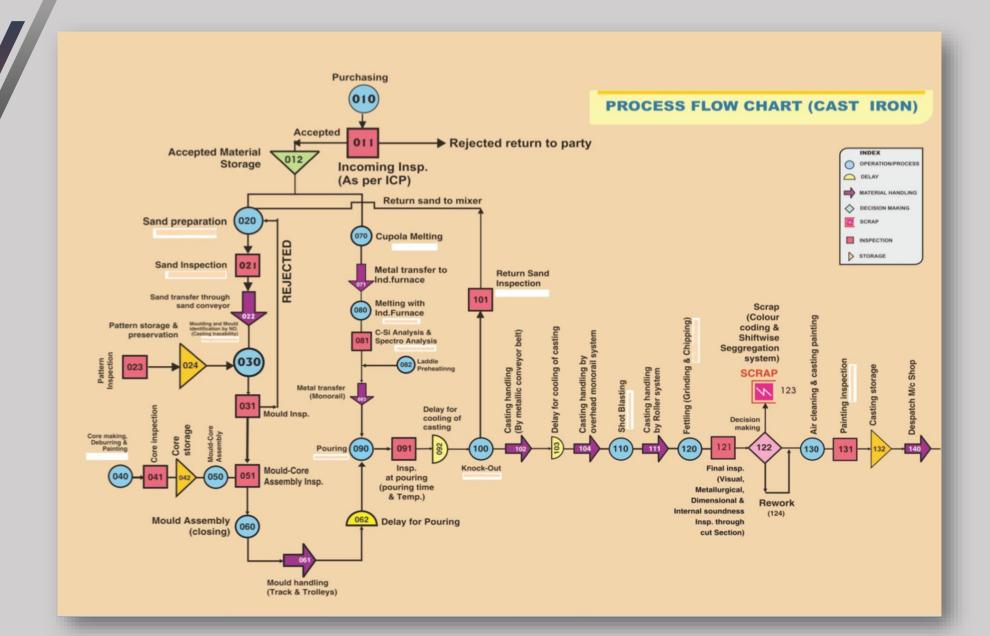


### PROCESS FLOW CHART





## PROCESS FLOW CHART





# Fabrication Facility

Machine	Make	Capacity	Qty.
Searing	Weldor	Thick3mm,Length-2500mm	1
Press Brake	ACL, Weldor	160-Ton,90-Ton	2
Power Press	DVL,	30-Ton,20-Ton,100-Ton	3
Turret Punch	Amada	3mm Thick, Width Length-1000mm	1
Roll Forming	Bhagya Shree	1.5mm Thick, Width-500 mm,Length-2000MM	2
Mig Welding	Mark, Ador	250-Amp.	12
Lathe	Kishan	4ft,10ft	4
Hex saw	Orson	Width-200mm	1
Pneumatic Cutter	Bosch	50mm	1
Tube Bender	Auto Palace	50MM-OD,Length-1500	1
Plasma Cutting	Phoenix	Up to 150mm Depth cutting(l-6.5mtr,w-2-mtr.)	1
SPM Welding	Mark	100 mm OD,Length-6000mm	1



# Machine Shop Facility

MACHINE	MAKE	QUANTITY
VTL-40	ACE DESIGNERS	2
VTL-30	ACE DESIGNERS	2
VTL-30 PLUS	ACE DESIGNERS	1
CNC MACHINING	CINCINNATI	2
CNC DX-200	JYOTI CNC AUTOMATIC	2
CNC SJ500 LM	ACE DESIGNERS	2
VMC – 1050,1260,450,1265, 600VF	ACE MICROMATIC, CINCINNATI, MATSUURA, JYOTI	6
нмс	HITACHI SEIKI, MATSUURA, KITAMURA	6
BALANCING	G-MASTER	3
HONING	SHITAL	1



CNC Turning Center – 4



VMC



Horizontal Milling Center - 1



Turn Mill



Vertical Turning Center - 2



*VMC* – 5



CMM – Zeiss Make



Height Master – Optima 600





Automatic Positioner Welding



Spot Gun



Turret Punch



CNC Press Break



Searing Machine





#### OTC ROBOTIC WELDING MACHINE UNIT

We have Introduced a new State of the Art technology all they way from Japan, OTC robotic welding cell-unit at our organization.

- ☐ High weld quality
- ☐ High accuracy
- Consistent torch position and attitude
- No interference with tooling and work piece
- ☐ Flexible attitude
- ☐ Reduced costs
- ☐ Gas saving & flow monitoring equipment
- Automatic nozzle cleaning and wire cutting equipment.









# VERTICAL MILLING CENTER (VMC) WITH MACHINING MONITORING SYSTEM (OEE) AND IOT COMPLIANCE + AUTO PROBING SYSTEM



COMPANY NAME : ACE MICROMETIC

MODEL NAME: MCV-450

CONTROLLER TYPE : SIEMENS

CONTROLLER SERIES : SINUMERIK 828D BASIC

■ MACHINING MONITORING SYSTEM

AUTO PROBING AND TOOL SELECTION

#### Benefits of Auto Probing:

- ✓ Auto setting of reference to avoid unnecessary setting time.
- ✓ Measuring of port hole position.
- ✓ Machining process for both collar face alignment.
- ✓ Tool life monitoring.







# VERTICAL TURNING LATHE (VTL) MACHINE WITH BLUM (Germany) PROBE & IOT COMPLIANCE



COMPANY NAME : ACE DESIGNERS

MODEL NAME: VTL 30 PLUS

CONTROLLER TYPE : SIEMENS

CONTROLLER SERIES : SINUMARIK 828 D BASIC

#### Benefits:

- ✓ Auto measurement of inner diameter of pipe
- ✓ Auto measurement of collar & pre Inner diameter
- ✓ Auto measurement of finished bore of collar (big & small)
- ✓ Auto measurement of step height of collar (inner & outer)
- ✓ Auto measurement of total length of collar
- ✓ Auto tool wear off setting
- ✓ Auto tool selection.











#### HITACHI SEIKI HS-630



#### Operations & Benefits:

- Machining
- Cross hole
- Machining with 7 palate facility thus no need to interchange fixture & reduced the setting time.
- Upgraded with installing BLUM (Germany) probing system.
- Auto monitoring of X & Y- axis, position of hole and tool life.
- Also helps in locating exact position of cross hole drilling to have position in mean size.

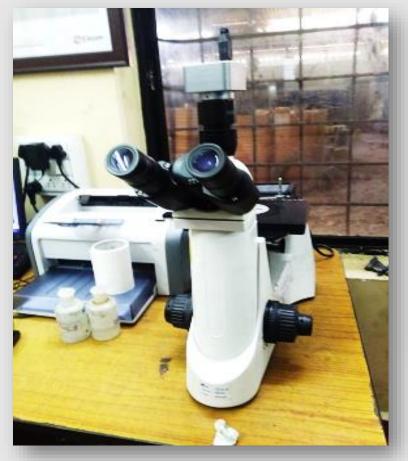








# NEW MICRO SCOPE WITH IOT COMPLIANCE & IMAGE ANALYSIS SOFTWARE (DAS ).





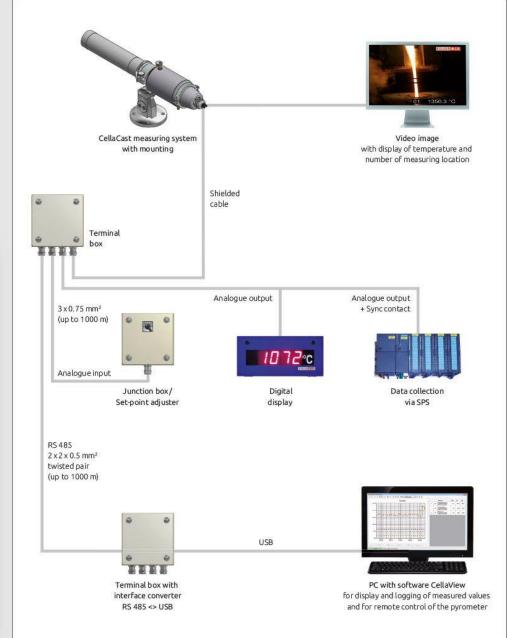




# PROCURED NEW DIGITAL PYROMETER FOR MEASUREMENT OF TAPPING TEMPERATURE AND POURING TEMPERATURE OF EACH MOLDING BOX WITH IOT COMPLIANCE.









# FERRO ARM & SURFACE PLATE FOR MEASURING AND REVERSE ENGINEERING PROCESS FOR R&D DEPARTMENT



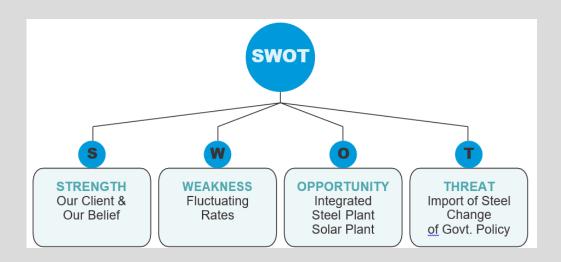






#### OUR OUTSOURCE FORGING PLANT FACILITIES - TIRUPATI FORGE

- Plant has been meticulously laid in environment friendly ambient making it pollution free. Our SWOT ANALYSIS has place us in very comfortable WIN- WIN SITUATION.
- Audited & Approved by our top customers Atlas Copco,
   Parker Hannifin, BOSCH, John Deere, etc.





#### **SUPPORTING FACILITIES**

- ❖ Hydraulic Extrusion Press Line of Lasco 630TON
- ❖ MPM Hammers:1 TON, 3 TON and 4 TON
- Range of Press for Trimming
- Ring Rolling Machines for 150mm to 800mm OD
- Induction Heaters of 75kw, 350kw, 650kw & 750kw
- CNC MachineShop
- Heat Treatment Shop
- ❖ Automatic PaintLine
- Automatic Multi Spindle Drilling Machines
- In-House Testing Laboratory
- ❖ Band Saws & Automatic Billet Shearing Machines cutting up t o 350mm square
- Die shop Die designing and Tool room
- Component Design Department with CAD/CAM facilities





#### OTHER FORGING FACILITIES – TIRUPATI FORGE

#### **FORGINGS**

- Capacity: 25000 Tons PA 0.5 kg to 150 kg Single Piece Weight.
- Circular shape forging to Near Net Forgings, Shaft, Pinion, Flanges, Bearing, Gears, Crown Wheels & Rings etc.

#### HYDRAULIC EXTRUSION LINE

- Capacity: 10000 Ton PA.
- Job Capacity: 5 Kg to 150 Kg Single Piece Weight
- Flash Less Forge

#### RING ROLLING MACHINES

- Capacity: 15,000 Ton PA
- Job Capacity: 5 Kg to 150 Kg Single Piece Weight
- Size: 150 mm to 800 mm OD
- Grade: Carbon Steel, Alloy Steel, Stainless Steel, etc...
- Automatic production line from Induction to Presses









0.5 to 150 kg Single Piece Forged
Products

25,000 TON
Production Capacity (Per Annum)







#### OTHER FORGING FACILITIES – TIRUPATI FORGE

#### **EXTRUSION LINE**









RING ROLLING





**FLANGES** 

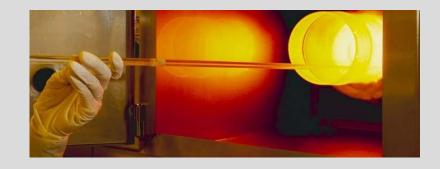




FORGED FITTINGS



**HEAT TREATMENT** 



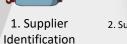


#### **OUR STRENGTH**

- Exposure to International Markets & fully developed in house department for international documentation & shipping
- Latest Technology & Up to date manufacturing techniques (INDUSTRY 4.0)
- Qualified Professional Staff & Workers (Engineers, MBAs, Law Grads)
- Continuous Process Improvement & on going Product Development
- Component Scanning, CAD/CAM Processes, Casting Simulation, ERP reliance to optimize processes & minimize error rates.
- Highly Flexible in Manufacturing components ranging from 0.5 kg to 150 kg as well as batch & mass production
- Prompt response to inquiries, Aggressive development of model, design, tooling & sample with process chart, on time delivery, customized packaging for every client
- International Port Facility in close proximity to our Kandla Unit 20 miles to the Port, 160 miles from Rajkot unit, 280 miles from Kolhapur unit









2. Supplier evaluation audit



3. Request for proposal



4. Design approval



5. RFQ & PO





6. Sample submission



10. Bulk Supply



9. PPAP



8. Pilot batch



7. Validation/ field trial

**NOTE:** We are working with Agricultural, Manufacturing, Construction, Energy, Food & Beverage industries, also we not limited to these industries we can add any Part / Product / Industry to our Portfolio

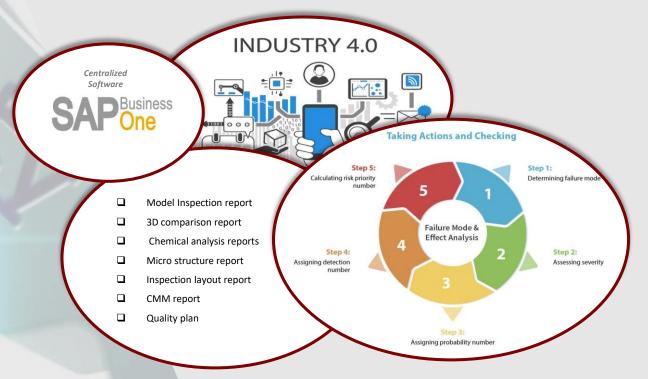


#### **QUALITY POLICY**

- ➤ We at R.G.K Groups are committed to build and sustain a globally competitive business by continuously improving our quality management system.
- We shall strive to achieve the global quality standards and exceed our customer expectation by:
  - ✓ Effective utilization of our resources
  - ✓ Adopting preventive methodology in our processes
  - ✓ Providing adequate learning & growth opportunities and necessary tools
  - ✓ Appropriately upgrading the technology
  - ✓ Focusing on waste elimination and cost innovation
- This shall be accomplished through total involvement of employees, suppliers and other stakeholders, by ensuring mutual beneficial partnerships.
  - ✓ Product wise Quality Plan(s) & Stage Inspections
  - ✓ Dedicated Quality Control Team
  - ✓ Measuring & Testing Equipment
  - ✓ Maintaining Quality Record
  - ✓ Experience of Offering Third Party Inspection(s)











































## **Housing for Hydraulic Actuators**













Reciprocating Air Compressor Parts –
Developed 200+ parts for assembly of compressor (USA)







All Casting products for Industrial Burner

















**Pulley for Reciprocating Air Compressor** 



**Control Housing for John Deere** 





# **Various Casting for General Industrial Use**





#### SOME OF OUR CUSTOMERS













































# **AWARDS AND ACHIEVEMENT**









◆ CEPTUФUKAT ◆ CERTIFICADO ◆ CERTIFICAT

ZERTIFIKAT ◆ CERTIFICATE ◆ 認証証書

#### Certification

CEPTIN⊕UKAT ◆ CERTIFICADO ◆ CERTIFICAT

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柳

ZERTIFIKAT + CERTIFICATE



#### **CERTIFICATE**

The Certification Body of TÜV SÜD South Asia Private Limited certifies that



Steel Forge and Cast Industries Plot No. 104 A / 105, G. I. D. C. Bamanbore. Ta. Chotila, Dist. Surendranagar. Bamanbore, Gujarat - 363520, INDIA

has implemented a Quality Management System in accordance with ISO 9001:2015 For Scope of

Manufacture, Supply and Exports of Grey Iron Casting, Nodular/S.G. Iron Casting and sub assemblies for Automobile, Industrial, Construction and Agriculture machinery

The certificate is valid From 2018-02-22 until 2021-02-21 Subject to successful completion of annual periodic audits.

Further clarifications regarding the support fine surflettents can be obtained to require the sufficiency of the support fine surflettents on the obtained to reculting the certifications are sufficient to the obtained by consulting the certifications are sufficient to the obtained by consulting the certifications are Certificate Registration No. 99 100 18343 Date of Initial certification: 2018-02-22







10V SUD Such App Put 110 ◆ 11V SUD House ◆ Sub Mara ◆ Ander (Fact) ◆ Martini - 480/2 ◆ Maturathin ◆ Intra



DV SDC from Alla Pic Lic • TSV SDC House • Kall Noci • Anther Hart • Marrie − 20072 • Varianchi • nois TDV <sup>®</sup>



CERTIFICADO ◆ CERTIFICAT

СЕРТИФИКАТ ◆

曲

CERTIFICATE .

ZERTIFIKAT +

#### CERTIFICATE

The Certification Body of TÜV SÜD South Asia Private Limited

certifies that



#### KOTECHA STEEL FORGE AND CAST INDUSTRIES PRIVATE LIMITED

Plot No. 104 A / 105, G. I. D. C. Bamanbore. Ta. Chotila, Dist. Surendranagar, Bamanbore - 363 520, Gujarat, INDIA

has implemented a Quality Management System in accordance with ISO 9001:2015 For Scope of

Manufacture, Supply and Exports of Gray Iron Casting, Nodular/S. G. Iron casting and sub-assemblies for Automobile, Industrial, Construction, Agriculture Machinery and Solar tracking system

The certificate is valid From 2020-02-13 until 2021-02-21 Subject to successful completion of annual periodic audits. The present status of this Certificate can be abbleted as were to successful as reparding the scape of this certificate may be obtained by consulting the

Certificate Registration No. 99 100 18343 Date of Initial certification: 2018-02-22







#### **CERTIFICATE**

The Certification Body of TÜV SÜD South Asia Private Limited

certifies that



Ganga R.K. Industries Pvt. Ltd. Plot No. G - 1204, GIDC, Lodhika Industrial Area, Village - Metoda, Rajkot - 360 021, Gujarat, INDIA

including the sites and scope of application see enclosure

has implemented a Quality Management System in accordance with ISO 9001:2015

For Scope of

Design, Manufacturing And Supply of Flour Mills, Construction Equipment, Agriculture Pump and Pump Sets and Spares for the above. Manufacturing and Supply sheet metal 3 Wheeler Automobile Parts, Hydraulic Actuators and Burner Parts for Induction Furnace. Trading of Diesel Engines

The certificate is valid From 2020-08-21 until 2023-08-20

Subject to successful completion of annual periodic audits. The present status of this Certificate can be obtained on <u>www.tur.vuic.in</u>. Further derifications regarding the scope of this certificate may be obtained by consulting the certification body.

Certificate Registration No. 99 100 15504 Date of Initial certification: 2014-08-21



Certification Body of TOV SOD South Asia Private Limited, **Mumba** Member of TOV SOD Group

Page 1 of 2

TÜV SOD South Asia PVI. Lid. ● TÜV SOD House ● Seki Naka ● Andheri (Esol) ● Mumbai – 400072 ● Maharashtra ● India **TÜV**®



CERTIFICADO . CERTIFICAT

СЕРТИФИКАТ ◆

認証証書

CERTIFICATE +

ZERTIFIKAT +

The Certification Body of TÜV SÜD South Asia Private Limited

certifies that



Ganga R.K. Industries Pvt. Ltd. Plot No. G-832, G-833, GIDC, Lodhika Industrial Area, Village - Metoda, Rajkot - 360 021, Gujarat, INDIA

has implemented a Quality Management System in accordance with ISO 9001:2015

For Scope of

Manufacturing and Supply of SG & CI Castings Components

The certificate is valid in conjunction with the main certificate From 2020-08-21 until 2023-08-20 Subject to successful completion of annual periodic audits. The present status of this Certificate can be obtained on <a href="https://www.turs.uc.n.oursegaring.html">https://www.turs.uc.n.oursegaring.html</a> certification body on regaring the certification body.

> Certificate Registration No. 99 100 15504/02 Date of Initial certification: 2017-08-21





TUV SUD South Asia Pvt. 1:16. ● TUV SUD House ● Sale Naka ● Ancheri (East) ● Mumbei – 400072 ● Mohamahim ● India TUV®



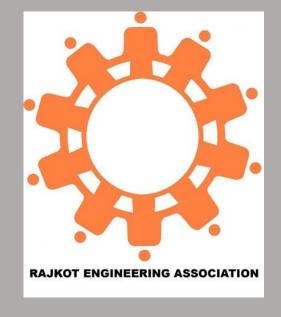


## Memberships











RAJKOT CHAMBER OF COMMERCE & INDUSTRY



#### **International Exhibitions**







EEPC India Invites Participation for India Pavilion at

Middle East Electricity Dubai, UAE













#### LET'S CONNECT

Manufactured by:

**GANGA R.K. INDUSTRIES PVT. LTD.** 

(An ISO 9001:2015 Certified Company)

PLOT NO. G-1204, G.I.D.C. LODHIKA,

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RAJKOT 360035, GUJARAT, INDIA.

Tel: +91-2827-287101 / 287102 / 287414

Fax No. +91-2827-287413

M.: +91-9825075506 / +91-9925100505

**E-mail:** rgkotecha@rgkgroup.net, mktg@rgkroup.net

Web: www.rgkgroup.net | www.rgkgroup.co.in

**Exported & Marketed by:** 

KOTECHA STEEL FORGE PVT. LTD.

(A Govt. of India Recognized Export House)

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RAJKOT 360003, GUJARAT, INDIA. Tel: +91-281-2387238, 2389355

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