



BUSINESS VERTICALS

- Engineering Service
- Testing and Analysis
- Consultancy service
- Technical Training

WHAT MAKES US DIFFERENT?

- Fast, Affordable and complete services
- High quality, dependable interpretation of results, we often use different techniques to effectively verify the results
- Superior customer service, our team is always willing to put extra time and effort to provide you with the solution to your urgent issues.
- We are well aware of the problems typical to your industry, we have the capability to mobilize the right resource to provide you the right Engineering solution.

Location :

M14, 8th Cross, 1st Stage, Peenya Industrial Area, Banaglore 560058

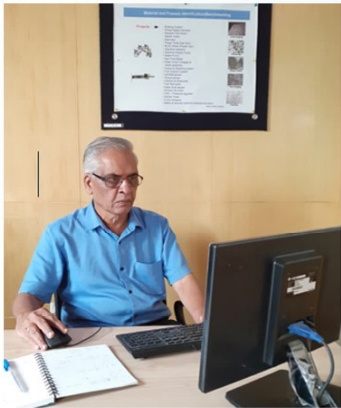
ABOUT US

Vichar Technology is an Industrial Solution Provider based in Bangalore. It was established in the year 2009 to support customers from the manufacturing and engineering services sectors to achieve unique value propositions. Our service activities are managed by a team of professionals with rich experience in Product Design, Reliability Testing, Metallurgy, Material Science and Manufacturing Engineering. They shall strive to solve problems encountered in the design, production and delivery chain. We stand out from other Testing Laboratories because of our capability to lead into finding optimal solutions for our valued customers in their decision making and technical planning, which in turn shall ensure enhancement of efficiency, speed and cost saving.

Our R & D team works on customer projects to develop a suitable Technology to meet the technical requirements. Also, we are working on a few R & D projects of our own. We are largely successful in developing an Activated Carbon process suitable for some specific applications as import substitution.

We comply with global quality standards; we have implemented Quality Management system in accordance with ISO 9001 ; 2015 for the scope of Technical Consultancy and Testing of Metal and Non metal products. Certificate No. KDACQ202402053

OUR RESOURCES



V V Hegde
Managing Partner

Our Technical service is managed by highly qualified professionals with wide ranging industrial experience:- Material analysis, Failure analysis, Reliability Engineering and Testing, Product Design and Development. Our collective experience is over 200 Man years and it comes from formerly of MNCs and Government R&D organizations. All members of our team are recognized experts in their own field of specialization. Diverse background of our professionals allow us to employ multidisciplinary approach in providing the right engineering solution. Whenever required, we go to the further step of hiring experts to hybridize the right kind of skill sets to execute customized projects for their specific need.

We help organizations to achieve their vital goals. We have reasonably good testing facilities and further, we have tied up with other premier institutions and test labs to enhance our capability to offer a complete solution to our customers.

SERVICES : What all we can do for our customer!

Business verticals

Engineering Services

- Product development
- Reverse Engineering
- Application Engineering

Testing and Analysis

- Test conforming to standard specification
- Product Reliability Testing: Endurance, Aging, Climatic, Vibration etc.
- Material characterization:
 - Material and process identification (Metallic, non metallic, ceramic, Elastomers, Plastics)
 - Activated carbon (as per ASTM / IS / CEFIC Test standard)
 - Product Reliability Testing: Endurance, Aging, Climatic, Vibration etc.
- Metallurgical analysis: Chemistry, Microstructure, Heat treatment, Coating analysis, SEM and TEM analysis, study of physical & mechanical properties of materials etc.

Technical Consultancy Service

- Failure Analysis
- Metallurgy
- Reliability Engineering – Product life time evaluation
- Process Audit
- Vendor development

Technical Training

- Engineering materials
- Heat Treatment, Surface Treatment
- Metallurgical Testing
- Polymer Technology
- GD&T
- Manufacturing Engineering

OUR CUSTOMERS

We are preferred Vendor for most of our customers.

Our team collaborates as a true extension of a our customers project team, discovering and developing innovative opportunities.

We have customers from

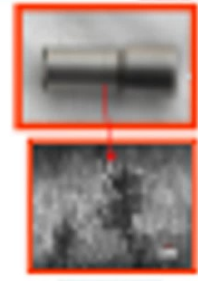
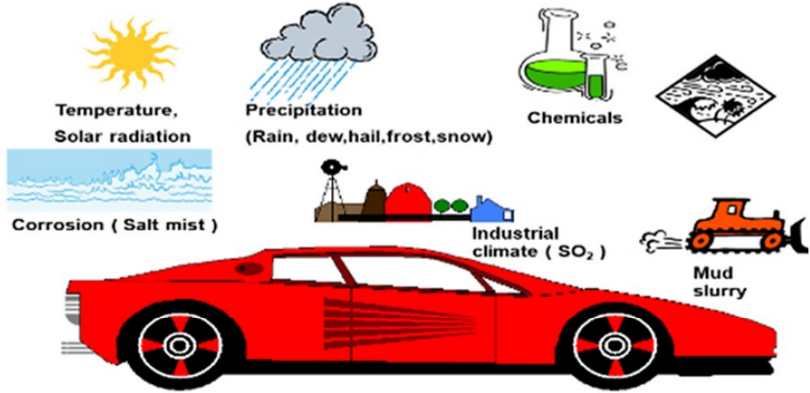
- Automotive
- Electrical and Electronics
- Industrial
- Medical Devices
- Energy
- Home Appliance

ranging from MNCs to many MSMEs

CREDENTIALS

We seek customer feedback on a continuous basis to bring in improvement in quality and work culture. This also helps us, indeed, to get deeper understanding of project objectives and customer requirements. Some of the customer feedbacks are :

- “I appreciate the clinical analysis and systematic method adopted” .
- “we are very happy with your technical service. We would like you to support us in Polymer analysis on a continuous basis”



Internal details thro' X ray

Cold forging

Sintering

Sheet metal

Hot forging

Casting

C coating

Electroless Nickel coating

Shear Pressure (MPa)

Compressive Stress (MPa)

Strength and hardness - decreasing

Toughness - increasing

Tempering temperature

Shear Stress (MPa)

Test duration in hrs/km/cycles

Compressive Stress (MPa)

Test duration in hrs/km/cycles

Load

No. of cycles

Shear Stress (MPa)

Test duration in hrs/km/cycles

TEST FACILITIES (IN HOUSE)

- Thermal shock test chamber (-50° C to +150° C)
- Cyclic Humidity- Temperature Test Chamber
- Cold Test Chamber (upto - 70° C)
- Hot Air Oven (up to 250° C)
- Muffle furnace (up to 1000° C)
- Pressure Pulsation Test Equipment (0 to 8 bar)
- Hose Test (Twist and Flex test)
- Sieve analysis
- Bulk Density
- UV-Vis Spectrometer
- Microprocessor controlled pH meter
- Conductivity and TDS meter
- Density Kit

PROJECTS & CASE STUDIES

- Setting up of Heat Treatment plant at Salem
- Heat Treatment Cluster program to upgrade HT supplier's quality standard
- Failure investigation : Pitting Corrosion in Hot water carrying stainless steel pipeline





Certificate of Registration

(Quality Management System)

KVQA CERTIFICATION SERVICES PVT. LTD.

This is to certify that the Quality Management System of

VICHAR TECHNOLOGY


M14, 8th Cross, 1st Stage,
Peenya Industrial Area,
Bangalore -560058.

has been found to comply with the requirements of

ISO 9001:2015

This Certificate is valid for the following Product or service range

**Provision of Technical Consultancy, Testing & Analysis
for Metal & Non-Metal Products**

Issued by 
Authorised Signatory KVQA

Certificate No.: **KDACQ202402053**

Date of Issue: 12, February, 2024
Valid Until: 11, February, 2027*

1st Surveillance Due On: 12/01/2025: Done On:
2nd Surveillance Due On: 12/01/2026: Done On:



CB-QMS-045

To Check the Status of the Certification, kindly log on to www.kvqa.in
F-309, Sector -63, Noida U.P., India. Ph: 011-22711940, 22711941.
email: delhi@kvqaindia.com
*Subject to successful completion of surveillance audits

CONTACT US :

Email

Mobile

Technical Dept. technical@vichartechology.com 8310296306
V V Hegde hegde@vichartechology.com 9845807617

Location: M14, 8th Cross, 1st Stage, Peenya Industrial Area,
Bangalore 560058

Landmark: Near TVS Cross, Peenya

Website: <https://vichartechology.com>

