

HARI SHANKAR SINGHANIA **ELASTOMER & TYRE RESEARCH INSTITUTE**

RAGHUPATI SINGHANIA CENTRE OF EXCELLENCE

+300 Satisfied Customer

+13 Countries Served

+25 States & UTs of India Served

+80000 Successful Assignment

+200 Technical Publications

SERVICES

MATERIAL CHARACTERIZATION **PRODUCT CHARACTERIZATION** SIMULATION CALIBRATION CONSULTANCY TRAINING

+05 Patent

+50**Training Conducted**

INDUSTRIES SERVED



Raw Material Power Transmission

RECOGNITION & ACCREDITATIONS

- Recognized under SIRO by DSIR, Govt. of India
- First testing laboratory in private sector in India to receive Prof. SK Joshi Laboratory Excellence Award from Quality Council of India (QCI)
- Accredited Lab for Testing and Calibration as per ISO / IEC 17025 : 2017 standard
- NABL accreditation for Proficiency Testing Provider (ISO 17043:2010)
- First Training Provider of Rubber Skill Development Council (RCPSDC), India
- VCA & SASO Certified Laboratory for measuring Rolling Resistance

WHO WE ARE

Our institute was established in October 1991 as an independent research institute, to achieve self sufficiency in Technology Development including upgradation of knowledge and skill development for Rubber & Allied Industry in India. HASETRI envisions the future of society and business needs by taking a proactive approach for addressing issues from the clients stand point.

We believe the best ways to continue meeting customer expectations and needs is by having a clearly defined time bound Technical Development path and working towards continual improvement with quality intact.

VISION

To become a Premier Industrial Research Institute of global repute in the field of Elastomer and Tyre Technology

MISSION

- To achieve Technology Self Reliance through innovative approach.
- To promote Collaborative/Sponsored research through industry-academy interaction.
- To play the Leadership role in developing skilled technical manpower.
- To be a world class Accredited Testing Laboratory.

"Raghupati Singhania Centre of Excellence" Hasetri 437, Hebbal Industrial Area, Mysuru - 570016, Karnataka, India Phone: 0821-6731517/6731504

Mobile: +91-9873327888 / 9513330515 E-mail:abhishekjain@hasetri.com /mushtag@hasetri.com/library@hasetri.com



Laboratory Services / Facilities

Analytical and Physical

- Dynamic Mechanical
- Hyperelastic Properties Creep& Stress Relaxation
- Aging of Cured
- Reverse Engineering of
- REACH, RoHS analysis
- Proficiency Testing

Simulation

- Structural
- Thermal
- Process
- Material Coefficients
- Tyre Noise
- Aquaplanning
- Cleat

With over 30 years of rich experience to foster development and evaluation of new technologies for the **Rubber and Allied Industries** and to develop technical manpower, HASETRI has demonstrated continuous advancement in team knowledge & expert services, facility and technology.

Our experts have commendable foothold in analysing & testing of polymer to meet the government and industry standards

- SAE, ISO, ASTM, DIN, BIS.

Advanced Material Characterisation

- Surface Topography / Morphology

 Elemental Mapping
- Dispersion Study
- Phase Analysis
- Crystallographic Study • Failure Analysis
- Fatigue Crack Growth

Tyre Testing

- Rolling Resistance
- (AIS142, ECE R117)
- Endurance & Tyre Thermograph
- Force & Moment Characteristics • PRAT/CRAT/Conicity & Plysteer
- Stiffness [X, Y, Z, Torsional]
- Electrical ResistivityDynamic & Static Footprint
- Dynamic Loaded Radius

- Plunger Energy
- Bead Pressure Mapping
- Bead Unseat
- Shearography
- Air Retention
- Sidewall Deflection
- Tyre Dimension Analysis
- Sectional Analysis

Consultancy Services

- Contract Research
- Standard Testing
- Material Selection for specific applicationCustomer Specific Test
- Process Problem Root
- Generation of Technical
- Skill Development &

Calibration

- Temperature
- Force Measurement (UTM)
- Pressure
- Volume Mass
- Length
- RPM

Environmental

- Quality Check-drinking
- Quality Control-Effluent
 /Waste water • Trace Metal ion
- Trace Anion detection
- Conductivity, pH & TDS Environmental

- Tyre Modal Analysis Automobile & White goods Noise analysis
 - **Proving Ground**

NVH & Vehicle Dynamics

Anechoic Chamber • Tyre Noise Measurement

- In-Cabin & Pass-by Noise Measurement • F&M, RR, Dry & Wet Grip
- Objective Handling, Steering Response & Fuel Efficiency