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Managing Director
Saga Elastomer Pvt., Ltd.

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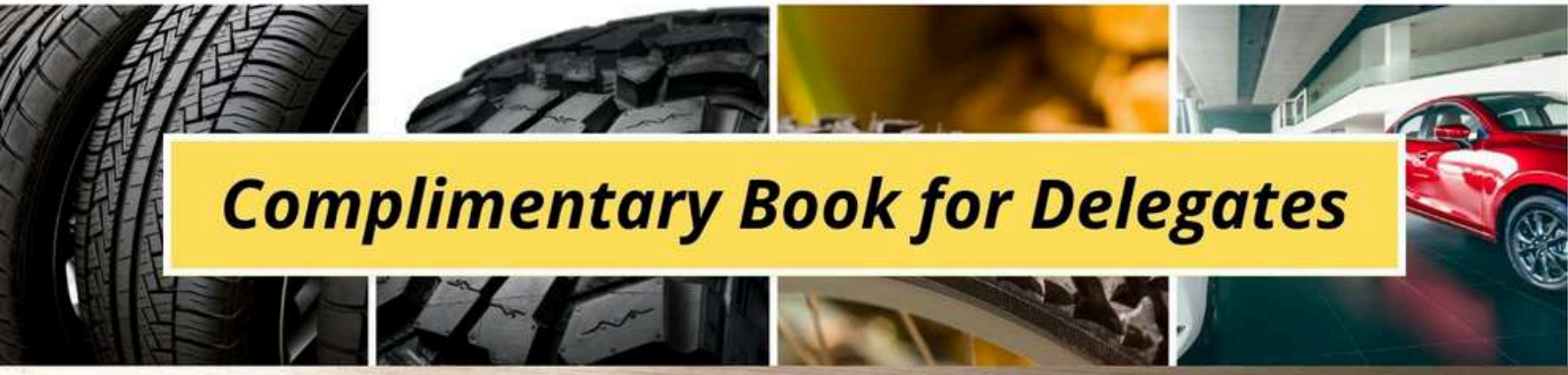

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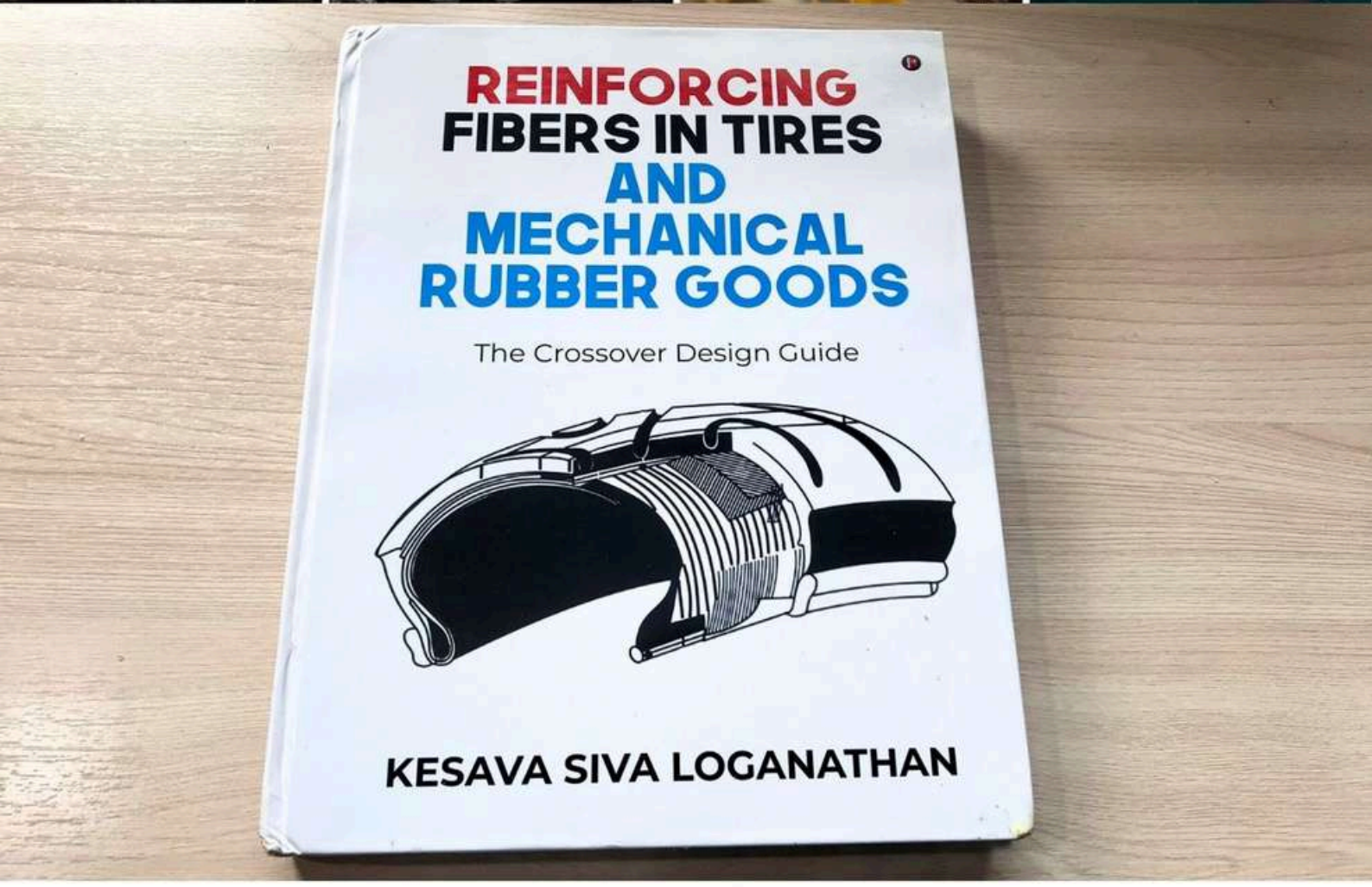

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ISO 9001 : 2000

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We are a Thailand-based manufacturer of high quality natural rubber and concentrated latex with more than 30 years of experience by the brand of "**NUMATEX**". For the past decades, we have supplied our products to **more than 50 countries** from all continents, particularly among Southeast Asia and European factories. We aim and will continue to be fully committed in leveraging natural rubber industry with new advancements for the best solution offered.

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Our company was established in 1987. We produce Concentrated Latex and Skim Rubber Block. Since then, our company has been growing significantly both in quantity and quality of our products. In 1987, we started the operation with only 4 centrifuge machines and with storage capacity of only 400 Metric Tons. At present time, we are producing concentrated latex with 33 centrifuge machines with storage capacity of up to 4,000 Metric Tons. Our biggest assets of the company are customer confidence on our product and skilled human resources. With these assets, we have received ISO 9001 : 2000 certification since 2004.

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Our Latex is available in various standardized specifications according to your company's requirement. Our latex is used by wide range of customers such as manufacturers of gloves, condoms, latex threads, rubber foam, adhesives, etc. Since 2021, **Production capacity** was expanded to **3,500 metric tons of concentrated latex per month** with 33 centrifuge machines.

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We produce high quality rubber skim blocks. Our product is light color in natural yellow-brown and fully dried with no odor. Various rubber parts, car tires, and shoes manufacturers are our major customers for Skim Blocks.

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Our plant is operated under environmental-cautious mindset at all time. Sustainability has always been one of our top concern ever since the beginning. Our Solar system has been successfully implemented earlier in 2021 for the first phase.

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COVER STORY

Conversation with

Milind Laddha

Managing Director

Saga Elastomer Pvt., Ltd.

In the rubber industry, success is often measured not by the ability to make a component—but by the ability to make it consistently, across batches, environments, and time. This is where true engineering begins. Milind Laddha, Founder and Director of Saga Elastomer Pvt. Ltd., represents a new generation of rubber entrepreneurs who view extrusion not as a trial-and-error activity, but as a disciplined engineering system.

A graduate of VJTI Mumbai and a trained rubber technologist from IRI, Milind's professional journey reflects a conscious shift—from manufacturing rubber profiles to deeply understanding how materials, tooling, and process windows interact to deliver repeatable performance. Under his leadership, Saga Elastomer has steadily built a reputation for precision rubber extrusions and mouldings, serving demanding applications across India, Europe, Australia, and the Middle East. ISO certified since 2016 and IATF 16949 certified, the company treats quality systems not as compliance badges, but as operating discipline.

What sets Milind apart is his belief that precision is a system, not a slogan. From early adoption of microwave continuous vulcanization to rigorous specification validation and documentation, his approach emphasizes data, control, and learning over shortcuts. He openly describes Saga's journey as a "work in progress"—one focused on engineering depth, customer trust, and long-term repeatability rather than quick scale.

In this cover story interview, Milind Laddha shares candid insights into building a process-driven rubber extrusion business, balancing cost with durability, scaling SMEs with discipline, and why customers ultimately don't buy rubber products—they buy confidence.


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Journey & Inspiration

How did your professional journey begin, and what inspired you to move from textile engineering at VJTI to rubber technology at UDCT (now ICT)?

My shift from textile to rubber wasn't planned. We were doing flocking on EPDM profiles long ago and ended up manufacturing many rubber profiles without formal technical know-how at the time. That gap bothered me—because in rubber, small misunderstandings become field failures. On a vendor's suggestion, I attended IRI classes at UDCT (now ICT), and that triggered a deeper journey into rubber technology. I went from "making parts" to learning how compounds behave, how processes drift, and how to design for repeatability. My engineering background and polymer chemistry experience in textiles helped a lot in grasping the nuances of rubber chemistry.

What key experiences or turning points led to the founding of Saga Elastomer, and how has your vision evolved since then?

I saw a consistent gap: many entrepreneurs don't want to go deep into rubber chemistry, which reduces value addition and turns rubber into a commodity. Saga was founded to do the opposite—to treat rubber as an engineered system. Over time, the vision evolved from "manufacture well" to "manufacture with a method": define service conditions, validate specifications, prove performance with data, and lock a stable process window that can be repeated.

You often speak of "engineering precision with purpose." What does this philosophy mean in practice?

It means we don't accept specifications as unquestionable truth. Many specs are inherited or copy-pasted and don't match real working conditions. Our job is to validate what matters, generate evidence, and—when needed—help the customer correct the specification. It takes effort and data to convince end users, but once they see the impact, they tend to stay for life. Precision with purpose is simply this: solve the real problem, then make it repeatable.

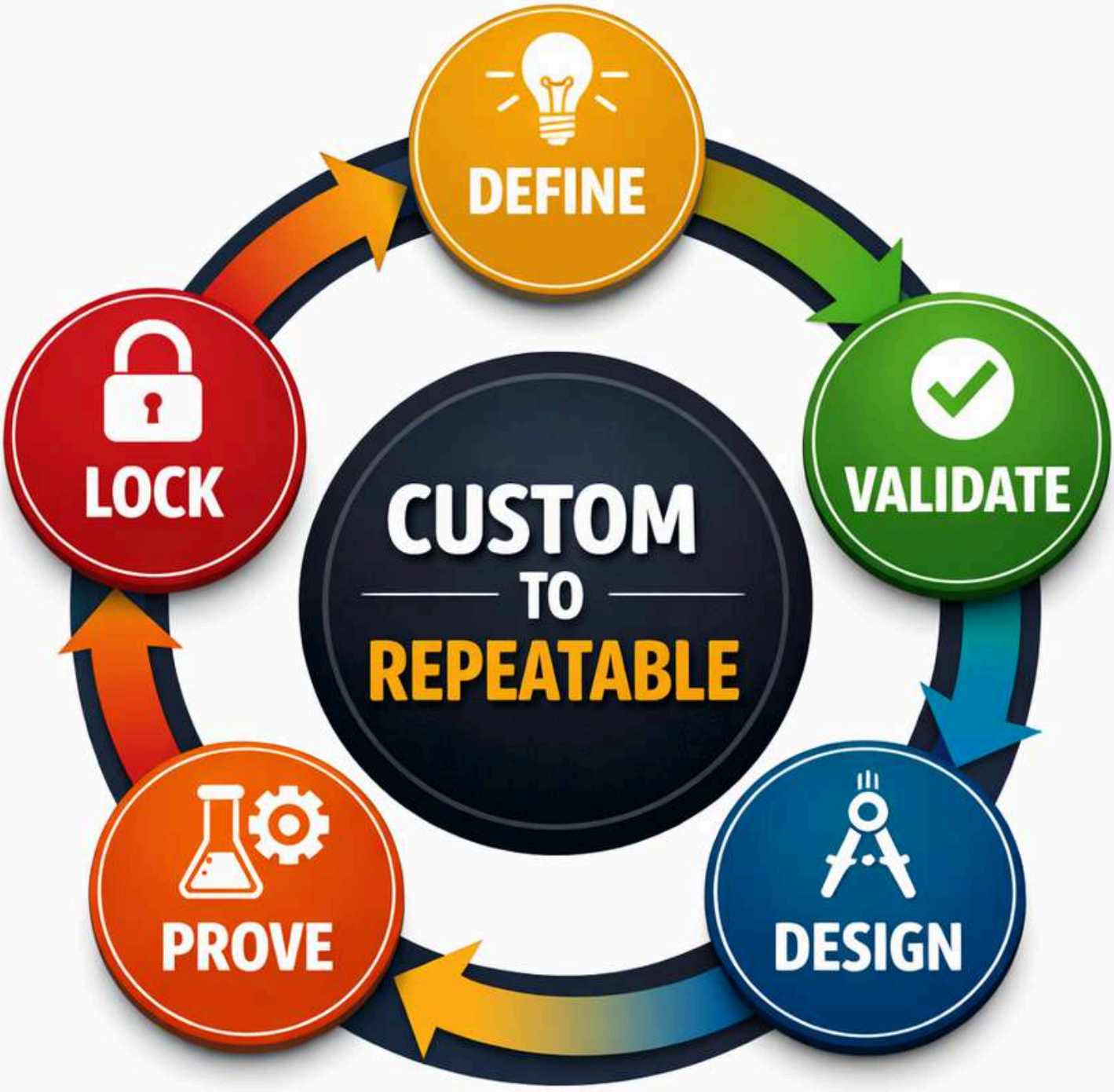
Building Saga Elastomer

What were the biggest challenges you faced in establishing Saga — technically, financially, and organizationally?

Technically, the challenge is always the same: rubber gives you 100 ways to be "almost right." Early on, we learned to separate "looks okay today" from "will be consistent and durable." Financially, every investment had to justify itself through stability and reduced failures—not just capacity. Organizationally, the hardest part is building habits: documentation, change control, and a culture where people don't hide problems—they surface them early.

"In extrusion, the profile is the output.
The real product is the process window."

Saga's Method (The 5-Step Loop)



A practical approach to turn "custom" into "repeatable."

Saga adopted microwave vulcanization early. What motivated this decision, and how did it change your production capability?

Microwave CV is powerful when your goal is control. We looked at it as a way to tighten the cure window, improve consistency, and make continuous production more predictable. But the bigger shift was cultural: once you invest in a system like microwave CV, you also need stronger discipline in compound consistency, tooling, and in-line monitoring—otherwise, the technology can't deliver its promise.

How has Saga evolved from a small manufacturer into a globally recognized brand serving diverse industries like solar, rail, marine, and façade systems?

By focusing less on "industry labels" and more on failure modes. Across sectors, the questions repeat: sealing integrity, compression set, aging resistance, dimensional stability, installation friendliness, and documentation. When you treat each new application as an engineering problem—not just a new part number—you naturally build credibility across industries and geographies.

Product Development & Technical Excellence

How do you approach compound formulation and material selection across different applications — from EPDM profiles to marine fenders?

We start with service conditions and failure risks, not just polymer preference. Temperature range, media exposure, static vs. dynamic loading, expected life, and installation constraints decide the material system. Then we align compound design with process reality—because a theoretically "best" compound that cannot be processed consistently is not best in the field.

A good example is an RFQ we received a few years ago for a 22 mm O-cord at 40 Shore A, intended as a pipe seal with strong compression-set performance. On paper, it looked simple, but on a microwave CV line the weight of the O-cord can cause deformation or sag before cure develops. We selected a high-polymer SBR-based compound to meet the compression-set requirement, but SBR typically needs extra process tuning in microwave CV compared with more microwave-responsive systems. The key was to achieve uniform cure through the full cross-section while ensuring sufficient green strength to support the profile's own weight until the onset of curing.

We had to fine-tune the line speed, microwave power distribution/number of active magnetrons, and the hot-air profile to stabilize the process window. Once the process was locked, the part became highly repeatable—and the customer now orders at regular intervals, in bulk quantities.

"We treat specifications as hypotheses—validated by testing, trials, and capability, not inherited assumptions."


Saga Elastomer Pvt. Ltd.
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Could you walk us through your product-development process, from concept to validated production?

Our process is simple and strict:

- *Define* service conditions + what "failure" looks like
- *Validate* the specification (and correct it if needed)
- *Design* the compound/tooling/process window together
- *Prove* with trials + testing + repeatability checks
- *Lock* with documentation + change control

This creates confidence for customers—especially overseas—because they can see not only the product, but the method behind it.

What analytical or digital tools help you ensure reliability and innovation in design?

Two kinds of tools matter:

- *Analytical testing* to understand compound behaviour (before problems show up on the line or in the field)
- *Process monitoring and documentatio*n to ensure the same inputs produce the same outputs

Innovation becomes practical when data reduces guesswork—whether it's tuning cure behavior, stabilizing dimensions, or tightening tolerances.

How do you balance cost efficiency with high performance and long-term durability in your products?

We separate "visible cost" from "lifetime cost." A cheaper compound that causes installation issues, early hardening, or warranty risk is not economical. We aim for the cost point that the application truly needs—then protect it with repeatability. Cost control is real engineering when it doesn't compromise consistency.

Quality, Certification & Reliability

How have standards such as IATF 16949 and ISO 9001 shaped your manufacturing discipline?

They force clarity. ISO builds the foundation—process discipline, documentation, and corrective action. IATF raises the bar: risk thinking, traceability, change control, and a deeper expectation of repeatability. Certifications are not trophies; they are operating systems that reduce variation and strengthen customer confidence.

What systems or habits ensure consistency, traceability, and reliability across custom-made profiles?

Three habits:

- *Controlled inputs*: material discipline and clear identification
- *Controlled process*: defined windows and checks, not "operator feel"
- *Controlled change*: when something changes, it's recorded, reviewed, and validated

This is how custom work becomes reliably repeatable.

Market Acceptance & Business Strategy

How have customers — both in India and overseas — responded to Saga's innovations and technical approach?

Customers respond when they feel you understand the problem better than the drawing. Overseas customers especially value documentation, responsiveness, and clarity on what's controlled vs. what's variable. When you communicate like an engineering partner, you're not compared purely on price.

What are the major differences you observe between Indian and international market expectations in terms of quality, documentation, and service?

International buyers typically expect tighter documentation, clearer change control, and faster technical closure. Indian customers are increasingly moving in the same direction—especially in segments where field failures are expensive. The gap is closing, and that's good for the ecosystem.

How do you position Made in India products against global competitors, especially in Europe and the Middle East?

By not competing on "cheap." We compete on engineering responsiveness + repeatability + documentation. Made in India can win when the supplier behaves like a global partner: transparent, test-backed, and process-disciplined.

In your view, what are the key opportunities for Indian SMEs to evolve from component suppliers to solution partners for global industries?

They force clarity. ISO builds the foundation—process discipline, documentation, and corrective action. IATF raises the bar: risk thinking, traceability, change control, and a deeper expectation of repeatability. Certifications are not trophies; they are operating systems that reduce variation and strengthen customer confidence.

What systems or habits ensure consistency, traceability, and reliability across custom-made profiles?

Invest in three things:

- *Technical capability* (materials + processing)
- *Documentation and systems* (customers buy confidence)
- *Speed of learning* (shorter trial loops, faster root-cause closure)

That's how you move from being a vendor to being a solution partner.

SME Mindset, Challenges & Solutions

What distinguishes a successful SME mindset today?

The ability to learn fast without losing discipline. SMEs win when they build repeatable excellence rather than heroic firefighting.

“ Rubber components are often invisible—until they fail. Saga Elastomer Pvt. Ltd. approaches rubber extrusion as an engineered system where compound, tooling, and cure-window control must align for repeatable performance.”

Saga®

Market Acceptance & Business Strategy

What are biggest day-to-day challenges SME owners face?

Cash flow, talent, and volatility are real. But the silent killer is distraction—doing too many things without closing the loop on systems and capability.

How have you personally overcome challenges such as scaling up, quality perception, and customer trust?

By treating trust like a measurable asset: document what you do, show your learning, and respond quickly when something goes wrong. Customers don't demand perfection—they demand ownership and improvement.

One export shipment taught us an important lesson. A customer required the product in 5-meter cut lengths, but the material was inadvertently dispatched in 25-meter lengths. As soon as we detected it, we informed the customer immediately, shared the likely impact, and helped them plan corrective action on their side—so there were no surprises on receipt. More importantly, we put in place a packing and dispatch verification step (cut-length confirmation against the PO, plus a final sign-off) to prevent recurrence. In our experience, this combination—speed, transparency, and a visible preventive action—is what builds long-term trust.

***What are p*ractical steps to move from survival to growth & excellence mindset?**

Define your niche, build process discipline, measure what matters, and invest in training. Growth becomes stable only when people and processes don't depend on one individual.

Though this looks very simple, it is the most difficult part and needs a lot of effort and patience. The mindset has to change from doing things yourself to training someone to do the same, and it also needs allowance for mistakes to happen as people learn.

How important are collaboration, networking, and continuous learning?

Critical. The rubber industry evolves through shared learning—materials, standards, failure modes, and processing know-how. Collaboration reduces blind spots and speeds up improvement.

"Cash flow, talent, and volatility are real—but the silent killer for SMEs is distraction. Growth comes from closing the loop on systems, not chasing everything at once."

Competition, Growth & Global Perspective

Non-tyre rubber is becoming highly competitive. How does Saga maintain differentiation?

By competing on what's hard to copy: specification validation, process discipline, and customer trust built through repeatability.

How do you manage raw-material volatility, supply-chain disruptions, or pricing pressure?

With dual strategies: technical flexibility (so you can manage variability without performance collapse) and commercial clarity (so expectations are aligned upfront).

What regions currently drive your export growth, and how do you adapt to varying regulatory or climatic conditions?

We work across export regions including Europe, Australia, and the Middle East. Different climates and regulations require stronger validation—especially around aging, temperature swings, and documentation requirements. We treat those differences as an engineering input, not an afterthought.

Leadership, Culture & Teamwork

How would you describe your leadership style and the culture you've built at Saga?

Engineering-first, people-first. I want teams that surface issues early, learn continuously, and take pride in repeatability.

How do you balance structure with innovation and empower your team?

Structure protects quality; innovation improves it. We encourage experimentation—but inside a disciplined framework: trials are planned, results are recorded, and learning is shared.

How do you ensure continuous learning and knowledge sharing?

By treating knowledge as a production tool. When teams understand "why," they make better decisions on "how."

Talent Management & Skill Development

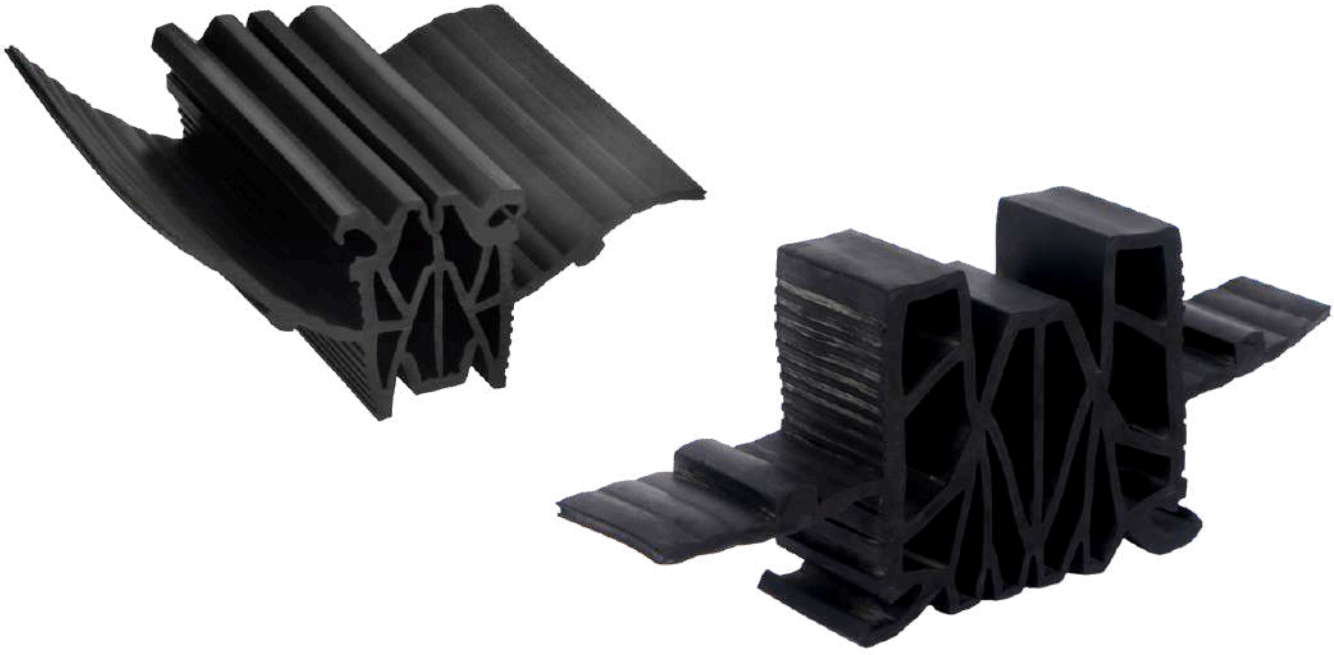
What qualities do you look for when recruiting engineers or production staff?

Curiosity, discipline, and honesty. Rubber rewards people who question assumptions and respect process control.

How do you train and motivate your workforce to uphold Saga's standards?

Training must connect to reality: why defects happen, how variation starts, and what to check before the problem becomes expensive. Motivation improves when people see that quality is not blame—it's pride. We teach to own mistakes, then discuss how and why it happened and finally what can be done so that it does not repeat .

***Saga Elastomer** is a specialist in precision rubber extrusion, focused on repeatability, process control, and performance reliability.*



Skill gaps in today's rubber talent pool—and how can academia–industry collaboration help?

A stronger bridge is needed between polymer fundamentals and shopfloor reality. Industry needs talent that can link material behaviour to process outcomes—not only theory.

Family, Mentorship & Legacy

Saga is a family-driven enterprise. How do you balance family involvement with professional management?

By keeping roles clear and decisions data-driven. Family brings commitment; professional management brings scalability.

What succession or mentorship practices are you implementing?

We're building systems that can outlive individuals—process discipline, documented knowledge, and leadership development through responsibility.

Beyond business, what satisfaction do you find in mentoring young entrepreneurs and engineers?

Helping them avoid common mistakes—especially the idea that rubber is "trial and error." It's not. It's science plus discipline.

Vision for the Future

How do you view India's growing influence in the global rubber and elastomer industry?

India is moving from cost-based manufacturing to capability-based manufacturing. The next leap will come from SMEs building systems: documentation, validation, and consistent execution.

Long-term vision for Saga Elastomer—and what legacy would you like to leave?

To build an extrusion-focused organization that customers trust globally for repeatability and engineering depth—and to leave behind a culture where learning, documentation, and ethical growth are default habits.

Technical Article

Tyre Curing: A Heat Engineer's Perspective

Part - 3

Simon Jacob, Managing Director
TopNotch Tyres and Rubber Consultancy Pvt. Ltd

Mr. Simon Jacob is a senior professional in the global tyre and rubber industry with over three decades of experience. A B.Tech Chemical Engineering graduate, he worked 36 years with a leading Indian multinational tyre company, holding senior roles in Technology and R&D and contributing significantly to product development, process optimisation, and technology advancement. He is the Managing Director of TopNotch Tyres and Rubber Consultancy Pvt. Ltd., Cochin, providing specialised technical consultancy, including tyre technology, compound development, R&D support, and guidance for greenfield and brownfield tyre manufacturing projects worldwide. He currently serves as Chairman, Indian Rubber Institute (IRI), Kerala Chapter.

This solves the same PDE but in:

- 2D or 3D
- real geometry
- real material properties
- actual boundary conditions
- with cure-kinetics models

But the underlying physics is exactly the same as the 1-D PDE.

What FEM does?

FEM makes use of Fourier's formula in the fullest form. This means, all the real-world factors that cannot be included in the simple 1-D classroom model is taken care of

For example, a simple 1 D model assumes

- flat geometry
- only 1 direction of heat flow
- uniform material (same k, ρ, cp everywhere)
- no belts, no cords, no layers
- constant boundary temperature
- no cure heat
- no temperature-dependent properties

But real tire is not like this

Tire cross-sections have:

- curved shapes
- thick and thin regions
- bead area, sidewall, shoulder, crown
- varying thicknesses

Heat flows in many directions, not just one. FEM handles this automatically.
A tire is NOT one material. It contains:

- tread (NR/BR/SBR)
- skim compounds
- steel belts (very high conductivity)
- carcass plies
- apex
- inner liner
- wedges
- chippers
- ·fillers

Each region has its own k, ρ, cp. FEM assigns the correct properties to every element. Fabric and steel cords conduct heat better along the cord direction. The 1D model cannot handle this. But FEM can

During curing:

- outer surface: mould at one temperature
- inner surface: bladder (steam/hot water) at another temperature
- contact varies as pressure rises
- heat transfer coefficients change
- venting effects, ribs, mould patterns

FEM applies the actual mould and bladder conditions, not simple constant temperatures.
Rubber releases heat during vulcanization (Exothermic) FEM handles this.
The simple 1D model cannot do this
Truck-tire tread is not flat:

- grooves
- blocks
- lugs
- belt edges
- bead configurations

These influence heat transfer significantly.

FEM includes the actual geometry. FEM solves the same heat equation, but in full complexity

A Practical Approach to Tyre Curing: Optimising Heat, Time, and Efficiency
Tyre curing—often described as the 3T process of Time, Temperature, and Tension (Pressure)—is one of the most complex and critical operations in tyre manufacturing. Though chemically it is a crosslinking reaction, practically it is a delicate heat-engineering problem carried out on a thick, multi-layered, low-conductivity product with a highly complex geometry.

For the curing engineer on the shop floor, three questions dominate daily decision-making:

1. How do we fix the correct cure time?
2. What combination of utilities (steam, hot water, Nitrogen) will deliver this cure reliably?
3. How can the process be run in the most energy-efficient and consistent manner?

Let us examine the practical science behind tyre curing and a realistic framework used across the industry.

Determining Cure Time: From Lab Rheometer to Shop-Floor Reality

The process begins in the laboratory with rheometer (rheography) analysis. The rheograph quantifies the torque developed during vulcanization and provides key cure indices such as:

- t_{15} – time for 15% cure
- t_{25}– 25% cure
- t_{50} – 50% cure
- t_{90} – 90% cure (commonly treated as "optimum cure")

These values represent isothermal curing—the compound is held at a constant temperature throughout the test. However, tyres in a curing press do not experience isothermal conditions. Temperature rises gradually and unevenly because:

- Rubber is a poor conductor of heat.
- Tyres are thick and geometrically complex.
- Heating occurs indirectly—heat flows from the mould into the tyre from outside, and from the bladder into the inner liner from inside.
- Bead regions, shoulder regions, and thick tread sections all heat up at different rates.

For this reason, the rheograph cannot be used directly for setting press cure time. It only provides a reference cure behaviour.

Identifying the "Blow Point": The Practical Minimum Cure

A key practical concept in tyre curing is the blow point—the time at which the compound becomes fully consolidated, with no visible trapped porosity or voids. This represents the earliest moment the tyre has developed enough internal cohesion to withstand pressure release.

- Press cure must never end before the blow point.
- Once the blow point is crossed, the remaining cure can proceed outside the press through post-cure inflation (PCI) or natural cooling.

Thus, the curing expert combines:

- Chemical cure requirement (from rheograph)
- Mechanical consolidation requirement (blow point)

to set the minimum safe cure time.

Translating Lab Cure to Actual Press Cure: The Arrhenius Approach

Because the press environment is non-isothermal, the 25% or 50% cure time measured at constant lab temperature cannot be directly applied. To translate laboratory data to real-world curing conditions, engineers use the Arrhenius relation, which connects reaction rate to temperature.

The idea is to compute the Equivalent Cure (CE) accumulated by the tyre in the press:
Let us once again visit Arrhenius expression

$$k = A\, e^{-E_a/(RT)}$$

At reference temperature Tr:
(Here reference temperature is the Rheometer test temperature)

At two temperatures:

- At **actual temperature** T_i:

$$K_i = A\,e^{-E_a/(RT_i)}$$

- At **reference temperature** T_r:

$$K_r = A\,e^{-E_a/(RT_r)}$$

$$\frac{K_i}{K_r} = e^{\frac{E_a}{R}\left(\frac{1}{T_r}-\frac{1}{T_i}\right)}$$

This expression is normally designated as intensity factor. It tells you how powerful the curing reaction is at the actual tyre temperature Ti compared to the curing reaction at a chosen reference temperature Tr.

It is the "speed multiplier" of cure at the current temperature

- If intensity factor = 1
- → curing is happening at the same speed as the reference temperature.
- If intensity factor = 2
- → curing is happening twice as fast as it would at the reference temperature.
- If intensity factor = 0.5
- → curing is happening at half the speed of the reference temperature.

It is a relative measure of cure rate. Not absolute — relative.
To make it further simplified, suppose the intensity factor at some moment is 0.3,
then 1 minute at that temperature gives only 0.3 minutes of cure at the reference temperature.
If the factor is 2.5,

then 1 minute gives 2.5 minutes' worth of cure at the reference temperature.
Equivalent Cure Time (EQ) — Using Ki/Kr

$$EQ = \int \exp\left[\frac{E_a}{R}\left(\frac{1}{T_r}-\frac{1}{T(t)}\right)\right] dt$$

But integrating the exponential function is rather tedious, we go for discrete case Practical Discrete Factory Formula

If temperature is measured in small steps (1 s, 10 s, or 1 min):

$$\boxed{EQ = \sum_{i=1}^{n} \exp\left[\frac{E_a}{R}\left(\frac{1}{T_r}-\frac{1}{T_i}\right)\right]\Delta t}$$

Where,
• Tr = reference isothermal cure temperature (K)
• Ti = actual temperature at that moment (K)
• Ea = activation energy (J/mol)
• R = 8.314 J/mol·K
Let us understand this concept with a numerical example.

Continued in next issue

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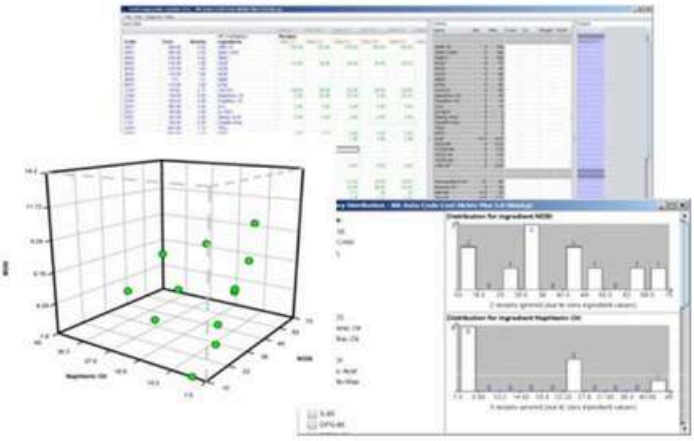
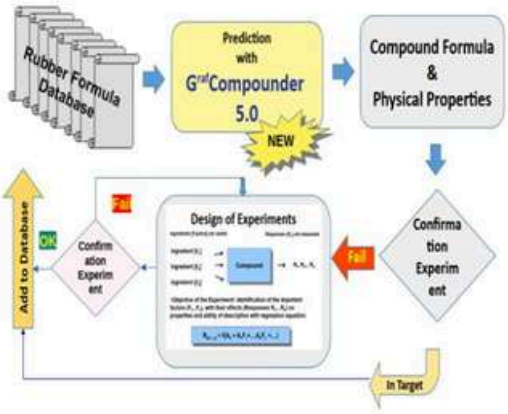
GrafCompounder 5.0

AI-Driven Innovation in Rubber Formulation





- AI-powered assistant for faster, more accurate compound development.
- Combines data intelligence and decades of formulation know-how.
- Reveals optimized recipes for tires, seals, hoses, and other applications.
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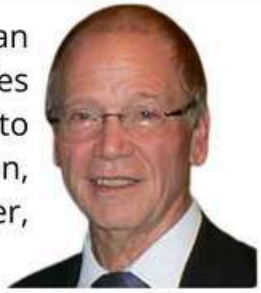
- A true catalyst for smarter, data-driven innovation in rubber compounding.

Empowering Rubber Chemists for Intelligent Compound Design

"Adopted globally by hundreds of compounders and researchers."

GrafCompounder 5.0 has been developed by ***Dr. Hans-Joachim Graf***, an experienced rubber technologist and formulation expert with five decades of rubber industry and research experience. He has dedicated his career to advancing rubber compound design through data analytics, automation, and AI-based tools, helping chemists and engineers achieve faster, smarter, and more reliable formulation results.



www.grafcompounder.de

For a demonstration, please contact: ***Dr. Hans-Joachim Graf*** (h-jg_consulting@t-online.de)

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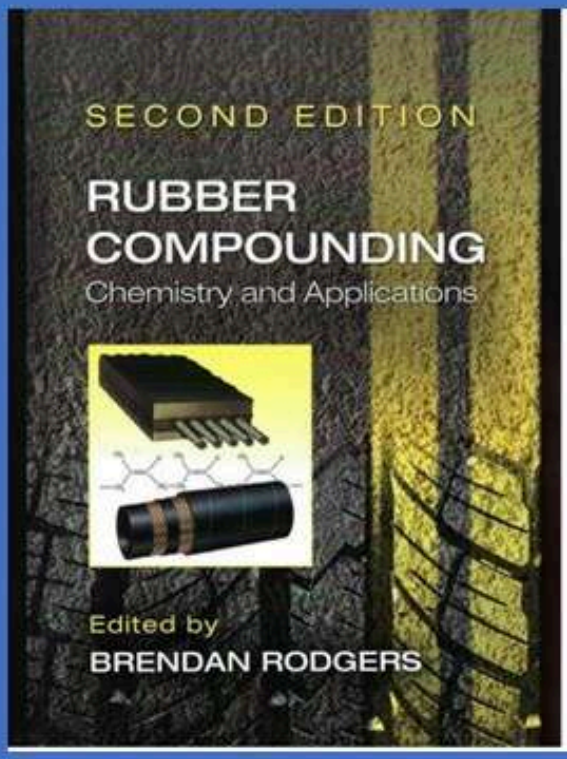

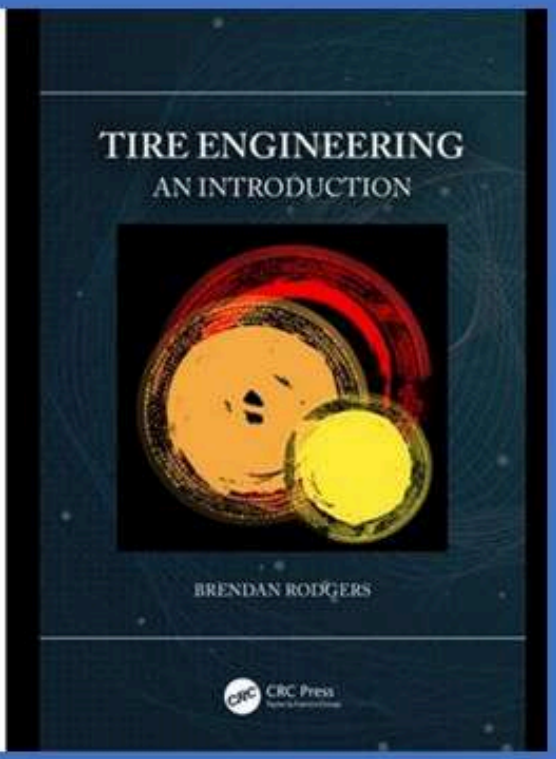

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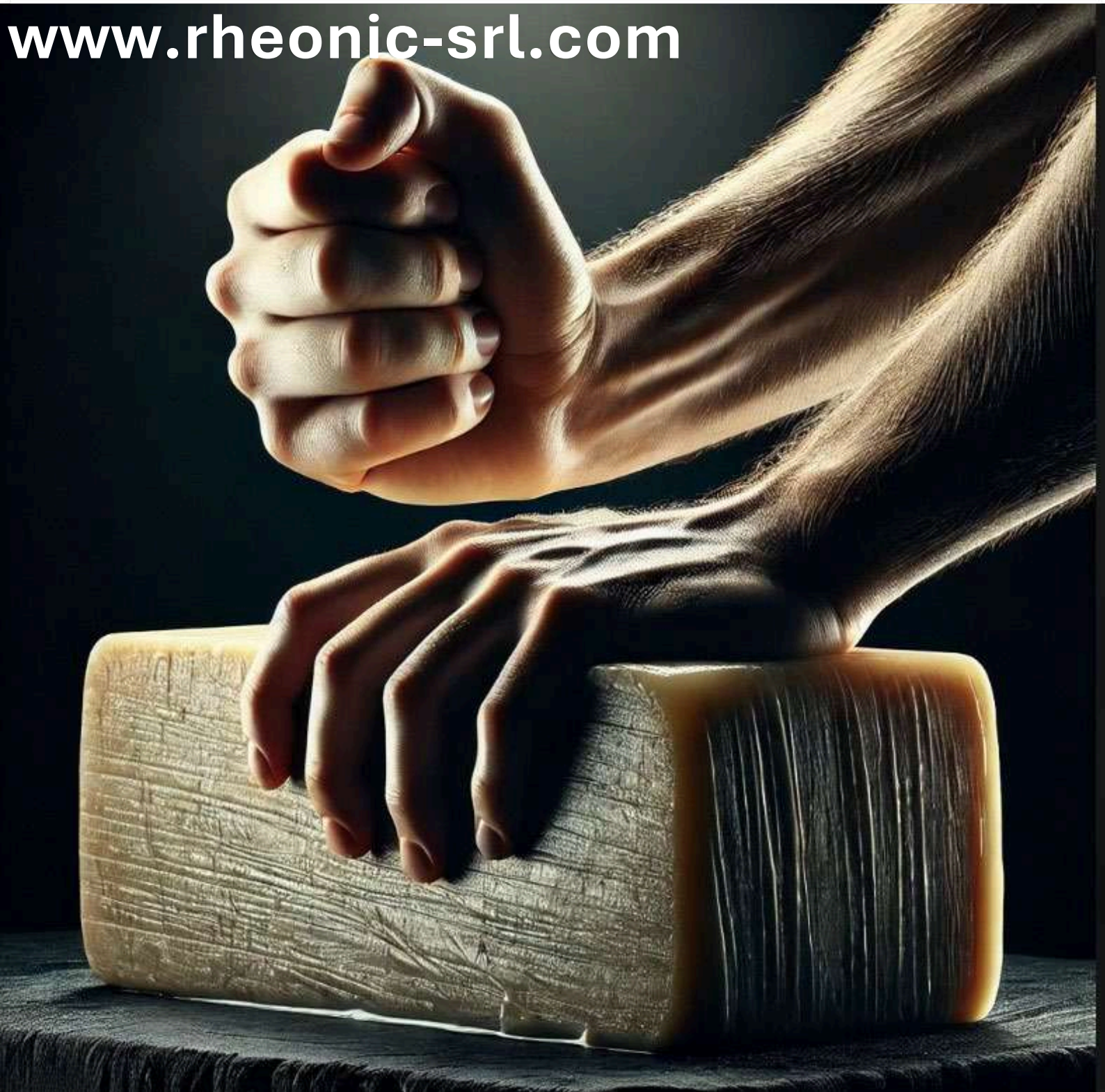
Formulation giving you headaches?

Rheonic is an Italian engineering company founded in 2015 with a clear mission: to provide consulting services and technical partnerships to the rubber industry in the following areas:

It

- Rubber compound formulation
- P rocess optimization through numerical simulation techniques
- Vulcanization cycle development
- Rheology and viscoelastic characterization



RUBBER Review

Issue-30| 12-18 January 2026

IRMRI Spotlight

भारतीय रबड़ सामग्री अनुसंधान संस्थान

INDIAN RUBBER MATERIALS RESEARCH INSTITUTE

IRMRI

INDIAN RUBBER MATERIALS RESEARCH INSTITUTE

Formerly known as Indian Rubber Manufactures Research Association(IRMRA)

An Autonomous Institute, Under DPIIT, Ministry of Commerce & Industry, Govt. of India
254/1B Road No 16V, Wagle Industrial Estate, Thane West, Maharashtra 400604.
Email: info@irmra.org /www.irmri.org/022 6787 3200 (19 Lines)

Indian Rubber Materials Research Institute (IRMRI) formerly known as Indian Rubber Manufacturers Research Association (IRMRA), which was established in 1958 is an internationally well-known Centre of Excellence for providing technological services to both Non-tyre & Tyre sectors.

It is an autonomous institute under the Department for Promotion of Industry and Internal Trade, Ministry of Commerce and Industry, Govt. of India.

IRMRI Facilities Covers

1. Testing of Polymeric Matrials and Products
2. Research & Development on Rubber & Allied Products
3. Reverse Engineering & Failure Investigation
4. Academic & Sponsored Research
5. ARISE - Incubation Centre
6. Training & Skill Development
7. Industrial Consultancy
8. Third Party Inspection
9. Tyre Testing Facilities - Centre of Excellence

INDIAN RUBBER MATERIALS RESEARCH INSTITUTE REGIONAL CENTRE'S

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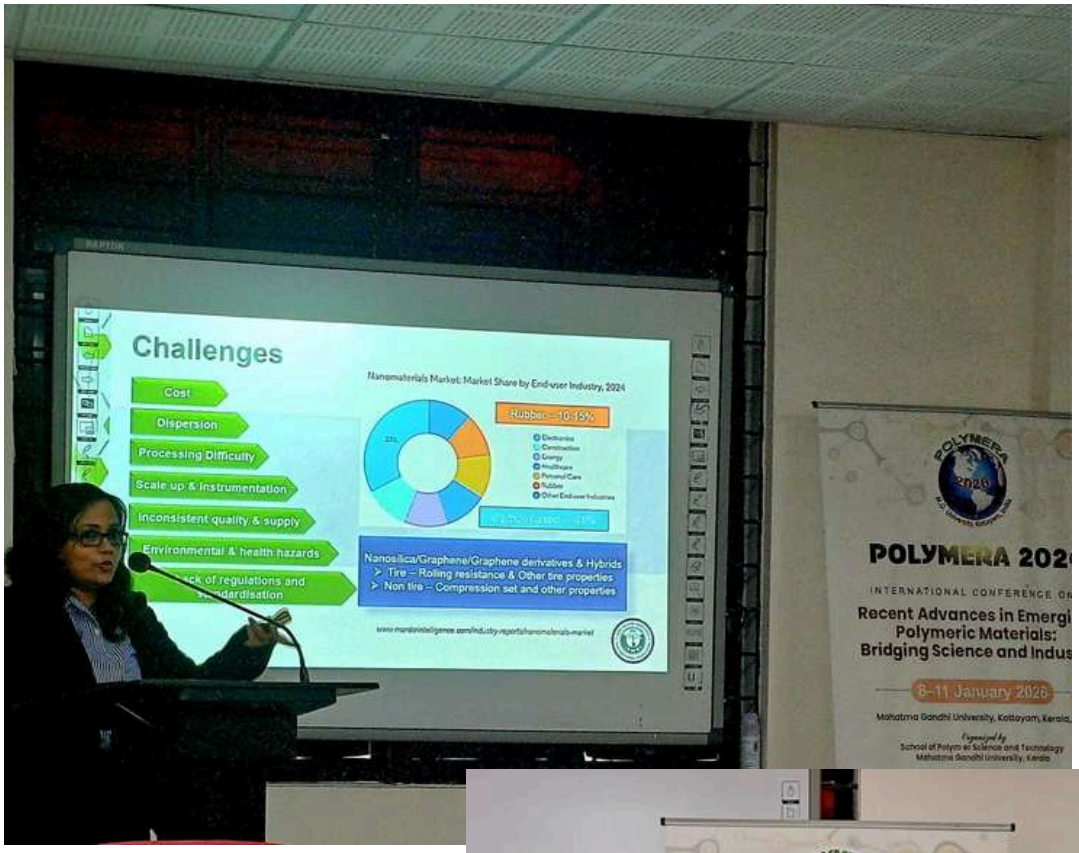
irmra.nc1@irmra.org
Mob No.:+91 9716230295

Registrations Open for IRMRI's One-Year Online Course in Rubber Materials Science & Technology

IRMRI (Indian Rubber Materials Research Institute), under the Ministry of Commerce & Industry, Government of India, has opened registrations for its One-Year Online Certificate Course in Rubber Materials Science & Technology (RMST). The program offers comprehensive learning on rubber science, compounding, processing, product manufacturing, testing, latex, tyre technology, and more. It is ideal for engineers, R&D professionals, QC staff, production supervisors, sales teams, students, and anyone seeking foundational rubber industry knowledge. Eligibility requires either 10+2 with one year of industry experience or a Diploma/Graduate degree in Engineering or Science. The course includes online live classes twice a week, a flexible learning format, and an industry-oriented curriculum. Registration and brochure links are provided, along with contact details for further information.

Indian Rubber Materials Research Institute (IRMRI) participated in Polymera 2026, held at Kottayam, Kerala.

Dr. Amrita Roy delivered a short Invited Lecture, presenting research insights in the field of polymer and rubber materials, while Mrs. Priti Suryavanshi represented the Institute with a poster presentation. The conference provided a valuable platform for scientific exchange, interaction with researchers, and dissemination of ongoing research activities at IRMRI.



ARISE - ASSOCIATION FOR RUBBER INNOVATION AND START-UP ENTREPRENEURSHIP

Promoted by INDIAN RUBBER MATERIALS RESEARCH INSTITUTE
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B-88, Road No 24U, Wagle Institute Estate, Thane West, Maharashtra
Email: arise@irmra.org Web: www.ariseindia.net.

ARISE Incubation Centre:

ARISE – Association for rubber Innovation and Start up Entrepreneurship Incubation Centre Promoted by Indian Rubber Materials Research Institute has swiftly developed as a pivotal platform for fostering innovation and entrepreneurship in the rubber and allied industries. With a mission to nurture start-up ecosystems, ARISE is helping aspiring entrepreneurs transform their innovative ideas into viable businesses, especially in the niche domain of rubber products and technologies.

Vision and Objectives

ARISE aims to be the breeding ground for future industrial leaders by providing startups and innovators with the resources, mentorship, and industry-specific expertise they need to succeed. The centre is particularly focused on promoting in rubber and allied industries, encouraging sustainable solutions, and fostering technological advancements that cater to both domestic and global markets.

The centre operates with the primary goal of bridging the gap between academia and industry, by enabling innovation-driven enterprises to evolve from ideation to commercialization. By aligning with national missions like 'Make in India' etc. ARISE plays an active role in building a self-reliant and globally competitive ecosystem.

Support Ecosystem at ARISE

ARISE offers a comprehensive support system, which includes

- *Mentorship and Networking*: The centre facilitates connections with industry experts, academicians, and business leaders, offering startups invaluable mentorship. Startups benefit from the extensive network IRMRI has built over the years, including collaborations with global companies, research institutions, and government agencies.

- *Access to Cutting-Edge Facilities*: ARISE - Promoted by IRMRI, startups at ARISE gain access to advanced R&D labs and testing facilities, enabling product development, innovation, and validation. This is a significant advantage, particularly for startups focusing on rubber technologies, which can quickly iterate and refine solutions.

- *Capacity Building through Training Programs*: ARISE offers a series of workshops and training programs covering diverse aspects of entrepreneurship such as financial management, legal compliances, intellectual property rights, business development, and marketing strategies. These programs will make ensure that entrepreneurs are well-equipped with the necessary skills to navigate the challenges of running a business.

- *Funding and Investment Opportunities*: Recognizing that financial backing is a critical component for the growth of startups, ARISE helps entrepreneurs connect with potential investors and funding agencies. The centre also advises startups on availing government schemes, grants, and subsidies designed for MSME's.

- *Industry Collaborations*: ARISE promotes partnerships between startups and established players in the rubber industry. These collaborations offer startups an opportunity to pilot their innovations, gain market insights, and even secure early customers.

ARISE - ASSOCIATION FOR RUBBER INNOVATION AND START-UP ENTREPRENEURSHIP

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B-88, Road No 24U, Wagle Institute Estate, Thane West, Maharashtra
Email: arise@irmra.org Web: www.ariseindia.net.

ARISE Impact

The centre has already started creating a tangible impact through its flagship Entrepreneurship Development Programme - Conducted from 20th August 2024 till 20th September 2024, the EDP has provided participants with critical insights on topics like HR compliances, funding opportunities, sales strategies, and legal frameworks. This structured training has enabled aspiring entrepreneurs to refine their business models and align their startups with market needs. Participants were motivated to take their ideas forward and register as incubatees under ARISE, thanks to the visionary leader Dr. K Rajkumar, Director, IRMRI, who has been a driving force behind this initiative.

Moreover, ARISE has succeeded in fostering a vibrant entrepreneurial spirit among its participants by regularly inviting experts from sectors such as MSME Mumbai, legal professionals, founders, and chartered accountants to offer personalized guidance and share their experiences. This multi-disciplinary engagement ensures that startups at ARISE are not only technically sound but also business-savvy, ready to scale up their innovations.

ARISE - Future Outlook

ARISE is poised to play a significant role in shaping the future of the Indian rubber industry. With a commitment to fostering innovation and sustainable business practices, ARISE incubation centre is expected to expand its reach by onboarding more startups and diversifying into other sectors allied to rubber.

As the world shifts towards greener technologies, ARISE is well-positioned to lead the way in promoting sustainable and eco-friendly rubber solutions. With its robust infrastructure, expert mentorship, and industry collaborations, ARISE is a beacon of hope for entrepreneurs looking to make a mark in the competitive world for the industries of rubber and allied materials.

In summary, ARISE represents more than just an incubation centre—it's a platform for empowerment, providing entrepreneurs with the tools, resources, and network they need to succeed. Through its visionary leadership and robust support ecosystem, ARISE is truly nurturing the next generation of innovators and business leaders in the rubber industry.

For Details, Please Connect with

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9361324212, 7045086164.

Weatherometer

Introduction about Weatherometer : A Weatherometer is a sophisticated laboratory instrument designed to simulate long-term environmental exposure in a controlled setting. By replicating conditions such as sunlight, moisture, and temperature fluctuations, it accelerates the aging process, enabling manufacturers to assess material durability and performance under harsh weathering conditions. This ensures products meet stringent quality standards and perform reliably in real-world applications across various industries. In IRMRI, the Q-SUN Xe-3 machine is used.

Standards and Their Purpose

- ASTM D 4587-11: defines UV and condensation testing procedures to assess paint and coating durability under weathering.
- ASTM G 151-10: guides accelerated weathering tests using artificial light for plastics and other materials.
- ISO 4892-2: Outlines xenon-arc exposure methods for plastics and coatings to simulate sunlight and weathering effects.
- ISO 16474-2: Defines xenon-arc testing protocols for paints and varnishes, focusing on UV resistance and color stability.
- ISO 105-B02: Tests color fastness of textiles under artificial light, simulating sunlight exposure.
- ISO 105-B04: Evaluates textile color fastness under artificial weathering, including UV and moisture.
- ASTM 750-12: Standard Practice for Rubber Deterioration using artificial weathering apparatus.

Uses and Benefits: The Q-Sun Xenon Test Model Xe-3 measures color fading, gloss retention, surface degradation, mechanical strength, and flexibility in materials such as rubbers, plastics, coatings, paints, leather, and textiles under UV light, moisture, and temperature cycles, by ASTM and ISO standards. It predicts long-term performance, identifying issues such as cracking or discoloration, thereby benefiting industries like automotive, textiles, coatings, plastics, and leather by ensuring durable, high-quality products.

Sectors Benefits: Rubber, textiles, paints &coatings, plastics, and leather industries.

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Contact no: 9361324212 / 90220547
Location: 254/1B Road no 16 V, Wagle Industrial Estate, Thane, Maharashtra 400604 India

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Madras Institute of Technology
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CHINA UNITED RUBBER CORPORATION

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Qingdao Zhongyiweiye Machinery Manufacture Co., Ltd. was established in 1997 and is a professional equipment manufacturing enterprise that integrates research and development, manufacturing, and sales services.It has obtained multiple product patents and technical certificates, and has passed ISO9001 quality management system and ISO14001 environmental management system certifications in management. It has been awarded the title of "Qingdao Specialized, Refined, and New Technology" enterprise.

Yarn braiding machine

Wire braiding machine

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Jiujiang DoWell Rubber Technology Co., Ltd.

DoWell Tech is dedicated to the R&D, production and sales of chemical raw materials, and provides expert advice on their application solutions for our global customers.

Our core products are primarily divided into **acrylic rubber (ACM)** and modified acrylic water-based adhesives. ACM products are classified into four major types of rubber products: i. e. active chlorine, carboxyl, double cross-linking and epoxy types, while the and water-based emulsion adhesive types are available in five different categories which are broadly used in industries such as automobile, new energy technology, electric power , and related electronics, and environmental protection.

We are committed to product R&D and continuously manufacturing products which are consistently reliable, stable, and environmentally friendly, to meet our customers' evolving needs. This commitment is reflected in our corporate motto or mission of becoming a:

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We pledge to be a model corporate citizen, a trusted partner, and an honest, reliable enterpriser that fosters long-term relationships with our customers worldwide while helping our customers to create value.

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7)Rubber preformer
8)Salt-bath curing line;
9)Silicone production line;
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USAGE

The production line is used to produce rubber sealing strip,hose,profile,water,stop and other products,widely used in automotive doors and windows,aluminum doors and windows,building curtain walls, container doors, ships, high-speed rail,roads and bridges and other fields.

FEATURES

1.German technology
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3.The product vulcanize evenly and the vulcanization speed is quick.
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Wuxi Double Elephant Rubber & Plastics Machinery Co., Ltd

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公司介绍 Company introduction

Wuxi Double Elephant Rubber & Plastics Machinery Co., Ltd （DE） affiliated with Jiangsu Double Elephant Group, covering an area of 100, 000 square meters , with over 40 years of history , is a modernized technology enterprise which is engaged in R&D, manufacture and sales and after-sales service in the field of Rubber & Plastics Machinery .

We are specialized in the production of rubber and plastics machinery equipment: calender and auxiliary machine series, open mill series, mixing kneader series, rubber extruder series, rotary curing series, wide rubber sheet extrude calendering line, rubber conveyor belt calendering line, tire inner liner calendering line, PVC artificial leather/ film/rigid sheet calendering line, PVC flooring calendering line etc.

Our Products are very popular in China and have been exported all over the world, such as Europe, the United States , Japan, Southeast Asia, India, Turkey, South America, etc. In rubber machinery field, DE has established a good partnerships with domestic R&D institute , large scale tire enterprise, rubber product manufacturers such as Beijing R & D Institute of Rubber Industry , Guiling rubber industry R&D institute, Bridgestone (Japan), Toyo Tire (Japan), Yokohama(Japan), Continental Tire (Germany),Michelin (France), Trelleborg (Sweden),Camso(Canada),Kumho Tire (Korea), Apollo(India),MRF （India） ,CST Tire(Taiwan), Kenda Tire(Taiwan),Linglong Tire, Triangle Tire, General Science Technology, Wanli Tire, Boton Technology , etc.

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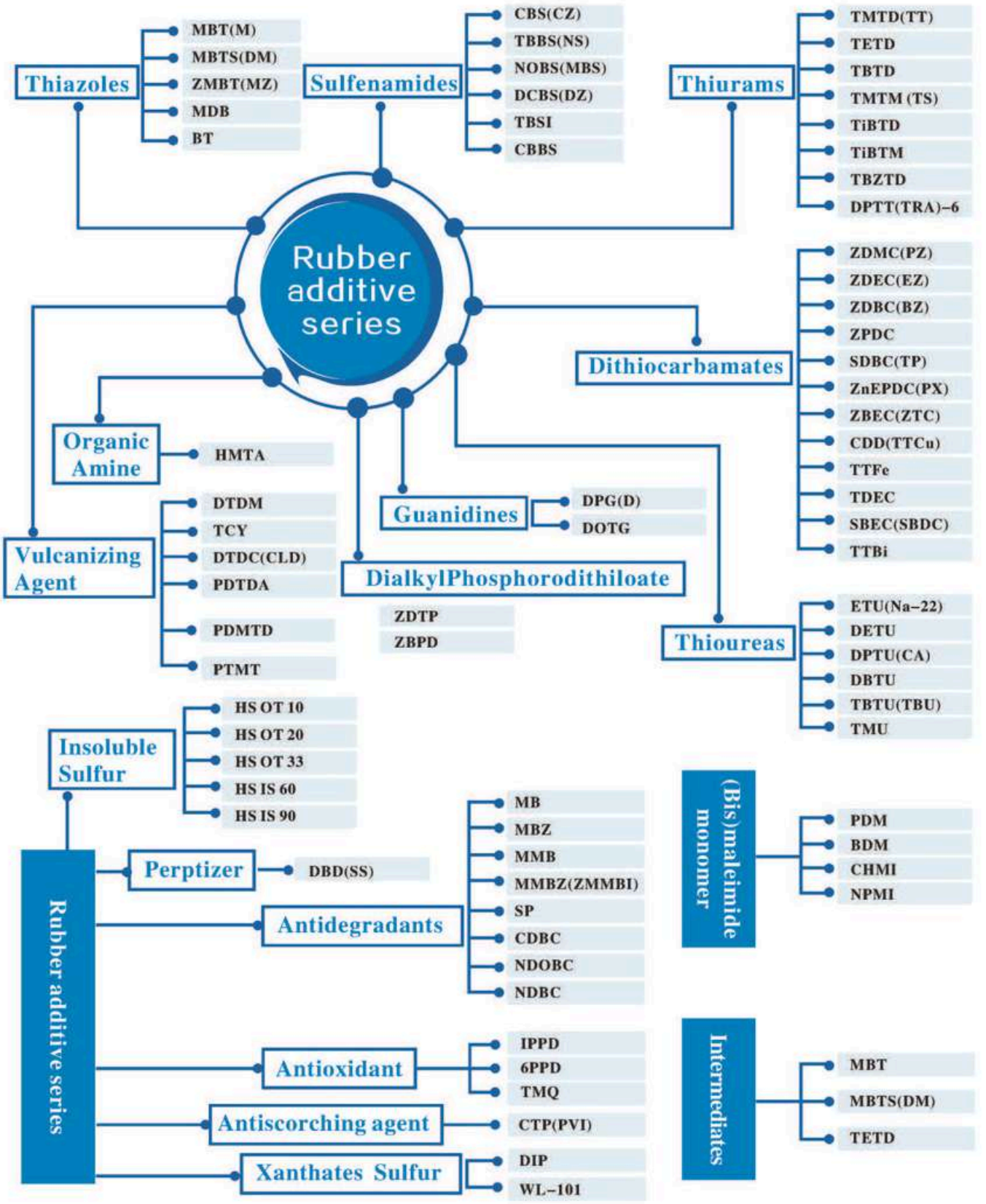

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Email: walter@willingchem.com
Url: www.willingchem.com

QINGDAO XIANG RUN HAO IMPORT AND EXPORT CO.,LTD

XIANG RUN HAO

About Us

QingDao Xiang Run Hao Import and Export Co., ltd (Former name is Qingdao RuiTongFa rubber machinery works, which is founded in 2003) is a professional manufacturer for rubber machinery and rubber moulds such as rubber injection machine, vacuum plate vulcanizing press and automatic plate vulcanizing press, rubber joint machine. We exported rubber machine and rubber moulds to many countries such as India, Chile, Belarus, South America, South korea, South-East Asia, Japan and Russia etcs.

The total export amount is up to more than ten million US dollars.

Through many year's development, constant research and inovation, we became a bigger company with several factories to producing Automatic Vulcanizing Machine, Rubber Injection Molding Machine, Mixing Mill kneader, many kinds of rubber moulds and rubber products. We also supply technology service, rubber compound formula and moulds designing according to custmers requirements and production samples. We wish to co-operate with all customers on the basis of equality and mutual benefit.

Three years ago, we have manufactured a ultra large fully automatic plate vulcanizing press (2400T, 1600*3600) with a mould in and out for our loyal foreign customers in Chile, which is used to produce mining rubber machinery sapre parts.

We dispatch our technicians were on site to supervise installation and train their worker. The machine are received good remarks from our Chilean customers.

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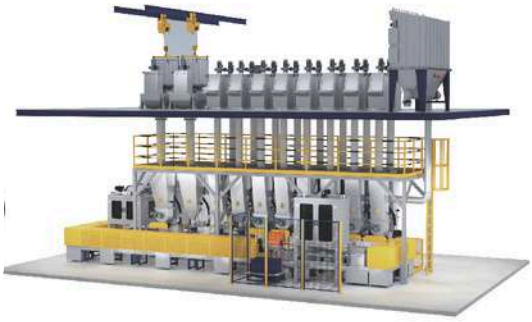

Beijing Mach Tiancheng Technology Co., Ltd.

Contact: Kitty Zhou Sales Manager(Overseas)

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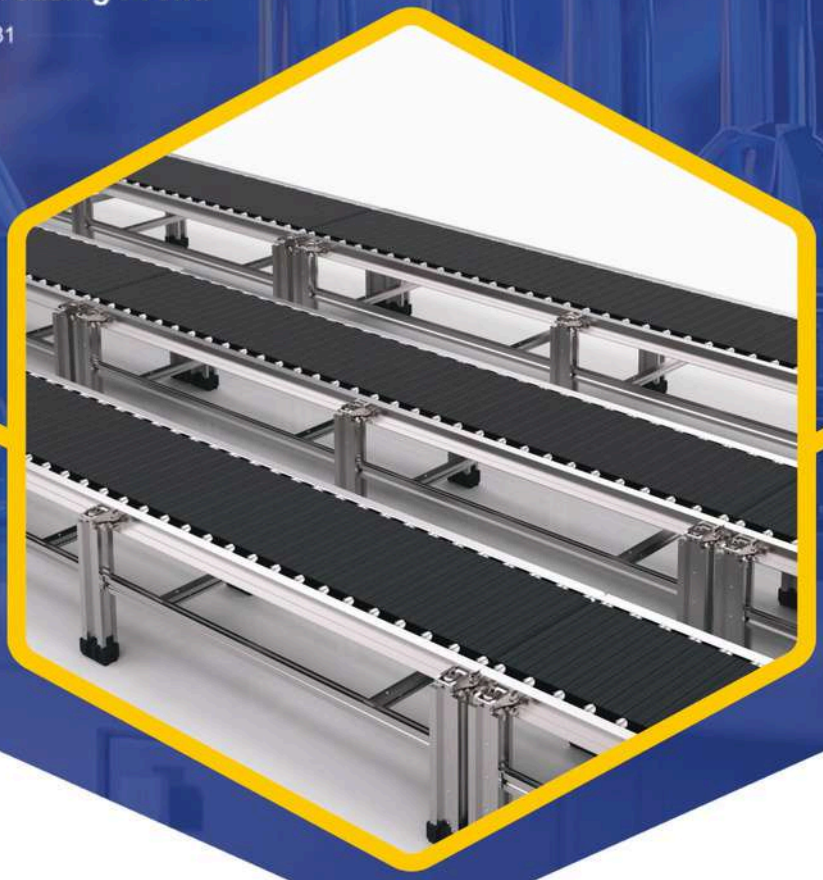

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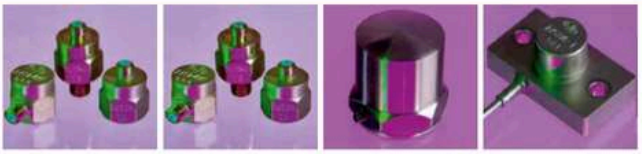

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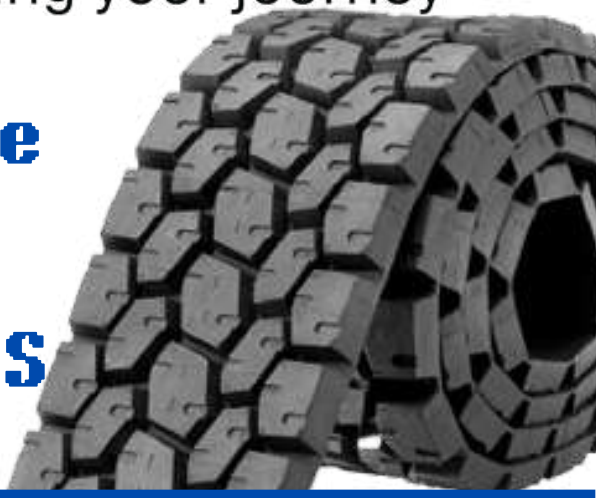

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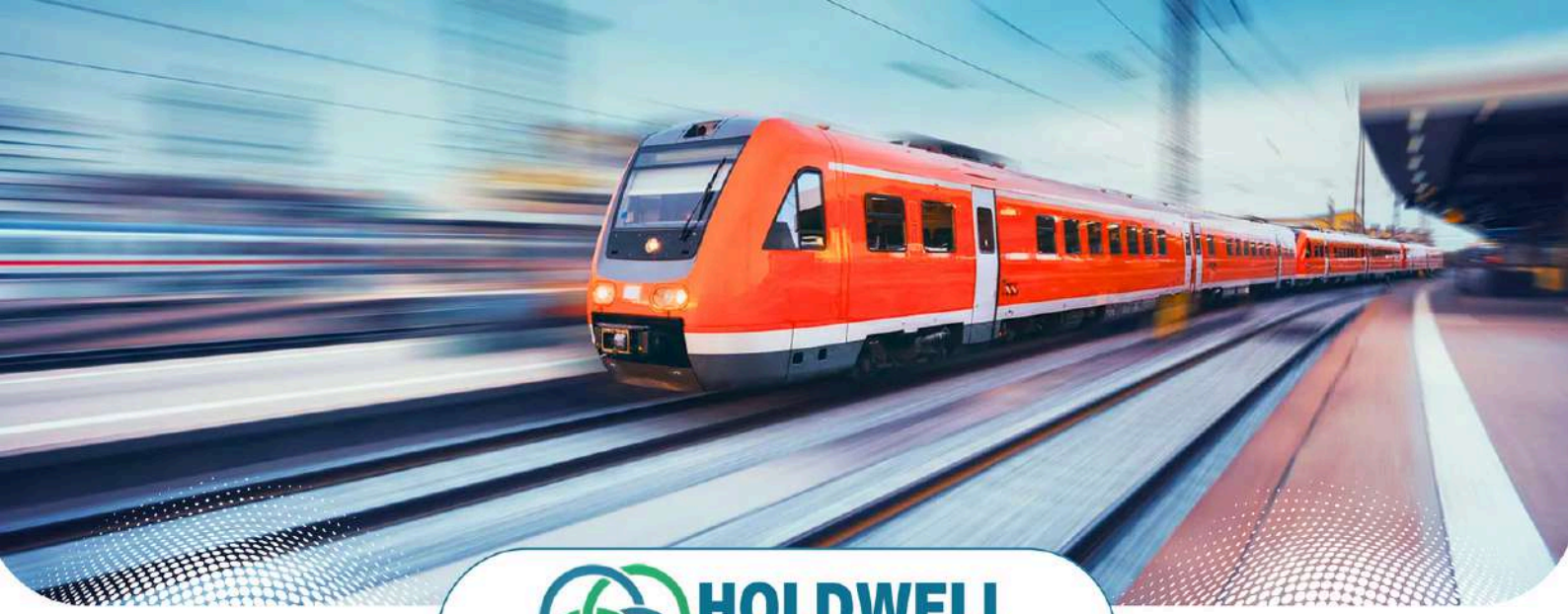

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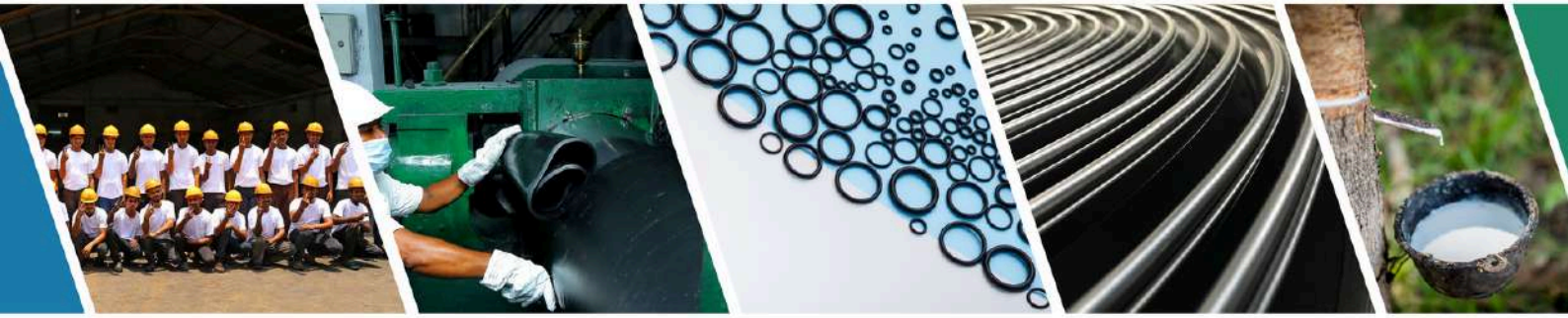

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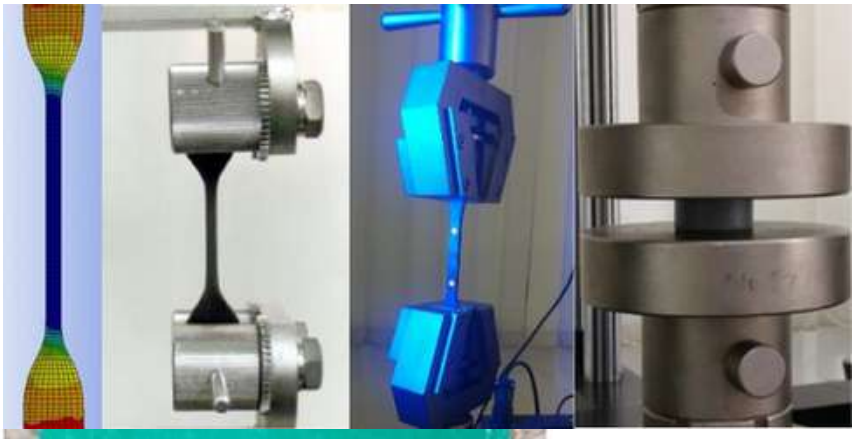

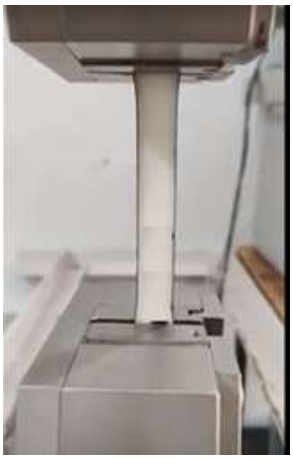

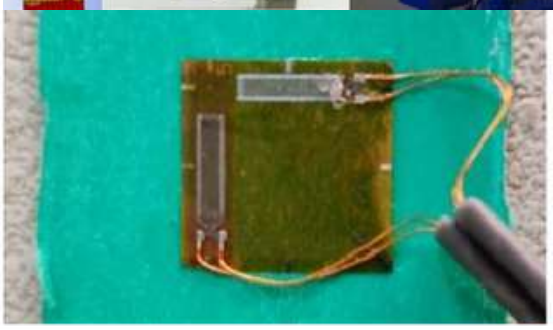

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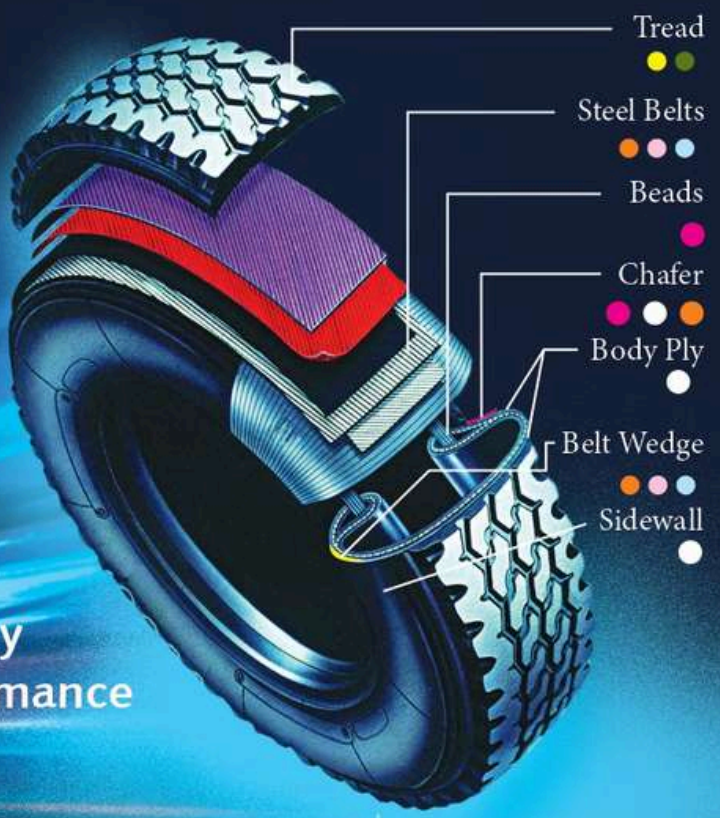

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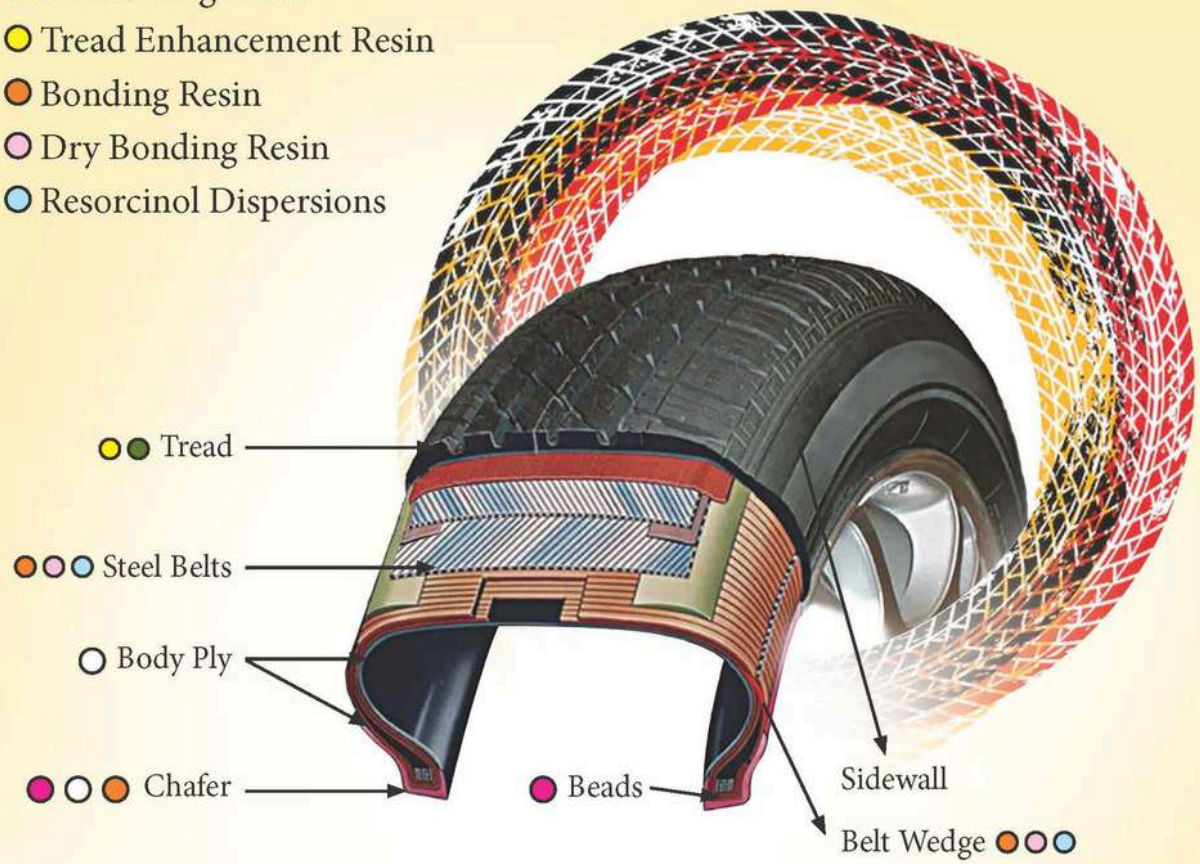

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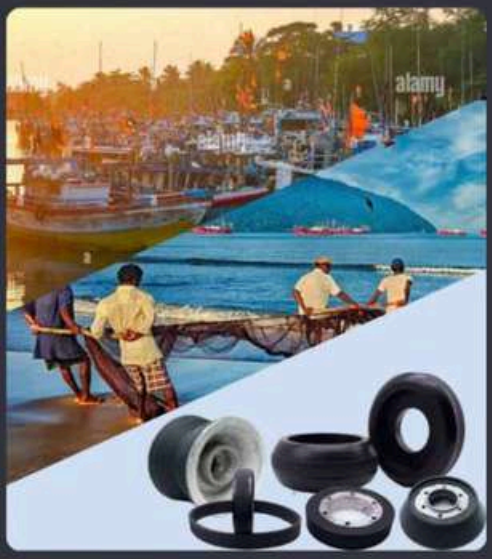

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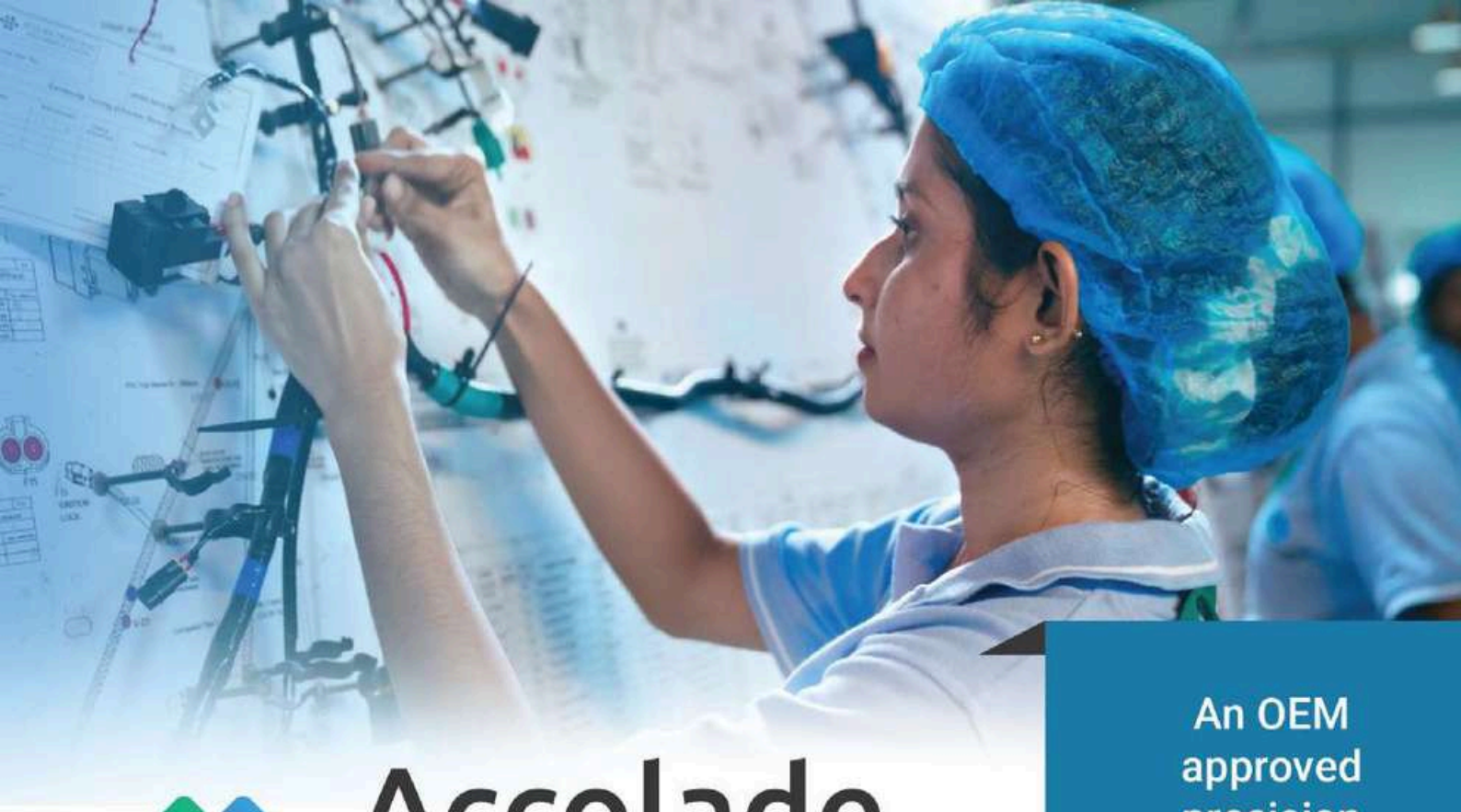

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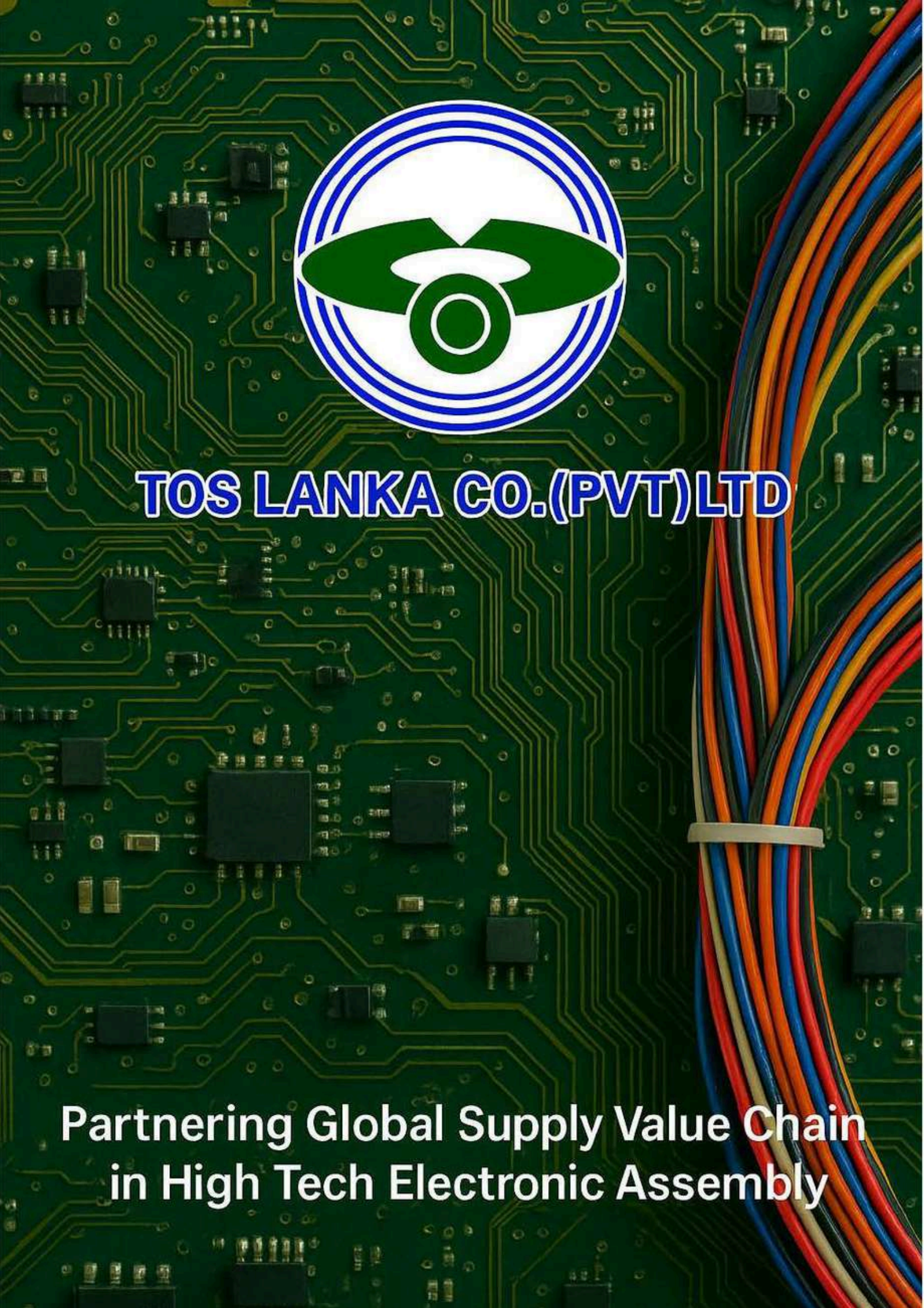
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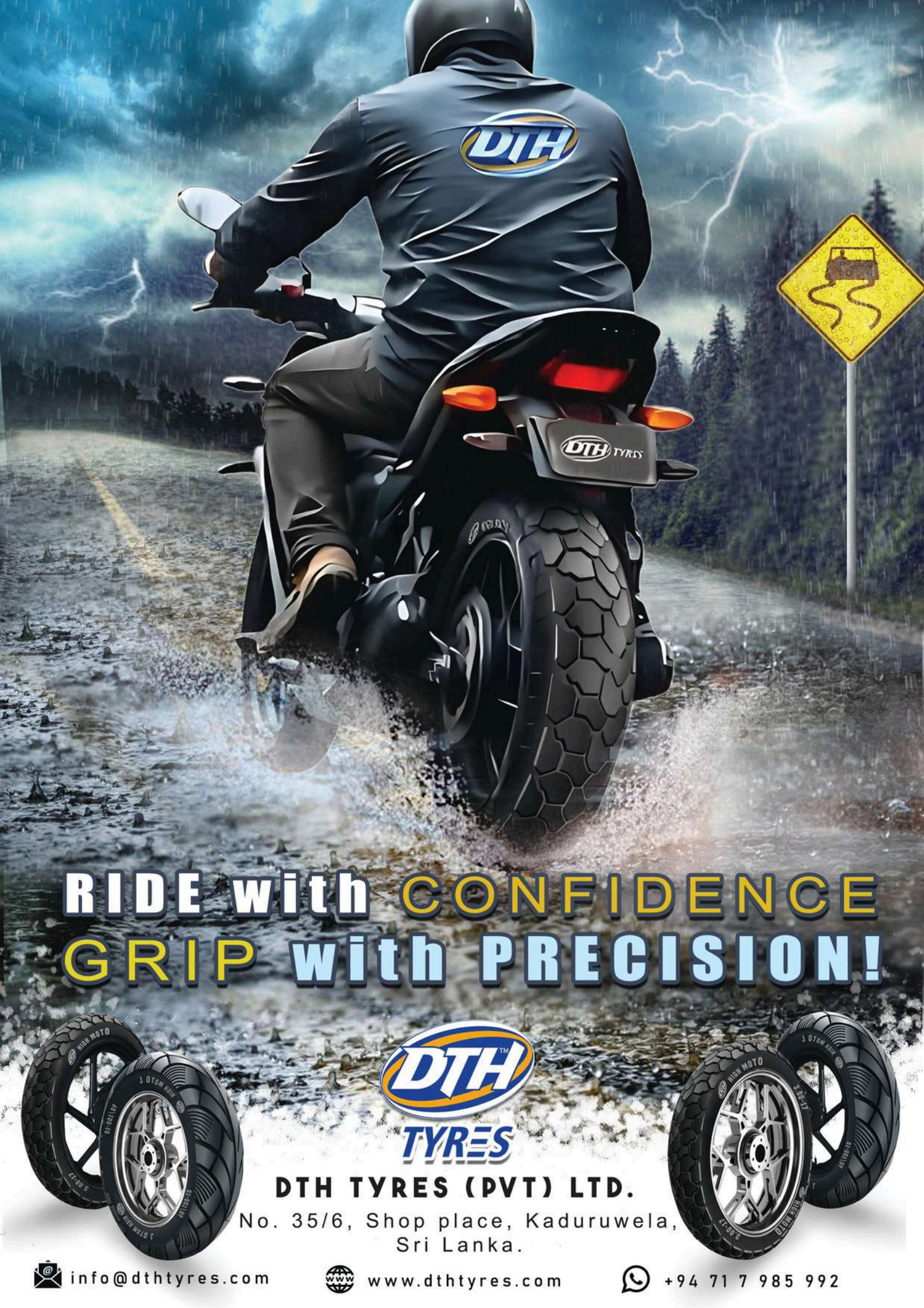
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RUBBER BUSINESS NEWS

RUBBER Review

Dr. Volker Nilles takes up position as Chief Executive Officer of Arburg

On 12 January 2026, Dr Volker Nilles took up the position as Chief Executive Officer of Arburg. The appointment of the new CEO brings the top-level management team of the globally active Lossburg-based machine manufacturer to six people. In addition to Nilles, the other members of the Arburg management team are Managing Partners Juliane Hehl (Global Marketing and Business Development) and Michael Hehl (Premises Development) as well as Managing Directors Tobias Baur (Sales, After Sales), Guido Frohnhaus (Technology & Engineering) and Steffen Kroner (Finance, Controlling, IT, Global HR).

Dr Volker Nilles brings with him more than 30 years of leadership experience in mechanical and automotive engineering. His career is characterised by international management positions with specific experience in the USA, China and India as well as generally a clear focus on transformation, growth and sustainable organisational development.

Extensive management and industry experience

After studying mechanical engineering at RWTH Aachen University and completing a PhD in business administration at the Technical University of Munich, Nilles began his professional career in machine tool engineering at ThyssenKrupp, where he was responsible for purchasing, logistics and production for a total of eleven plants worldwide. This was followed by senior positions in plant management at Bosch Rexroth as well as a ten-year tenure as CEO of Kleemann GmbH, where he significantly advanced the international focus of the crushing and screening plant manufacturer.

Dr Nilles acquired extensive experience in plastics processing at KraussMaffei Kunststofftechnik, where he was ultimately responsible for global new machine business as Executive Vice President New Machines and a member of the extended board. Before taking up the position at Arburg, he was CEO of Humbaur GmbH, Europe's largest manufacturer of car trailers.

Clear signals for growth and safeguarding the future

"*We are pleased to welcome on board Dr Nilles, an internationally experienced expert with a broad portfolio*", reports Managing Partner Michael Hehl. His sister Juliane Hehl is confident that Dr Nilles' appointment will bring further dynamism to the strengthening of Arburg as a world-renowned brand and the further expansion of Arburg's global market presence.

Victor Zubb named vice president of Safic-Alcan

La Défense, France – Safic-Alcan announced the appointment of Victor Zubb as Vice President, Americas, a senior executive role reporting directly to the Group's Chief Executive Officer, Yann Lissillour. This newly established position is the first Regional Vice Presidency in the Group's recent history, underscoring a decisive evolution in Safic-Alcan's operating model and its ambition to strengthen regional leadership as the Americas become an increasingly strategic pillar of the Group's global trajectory.

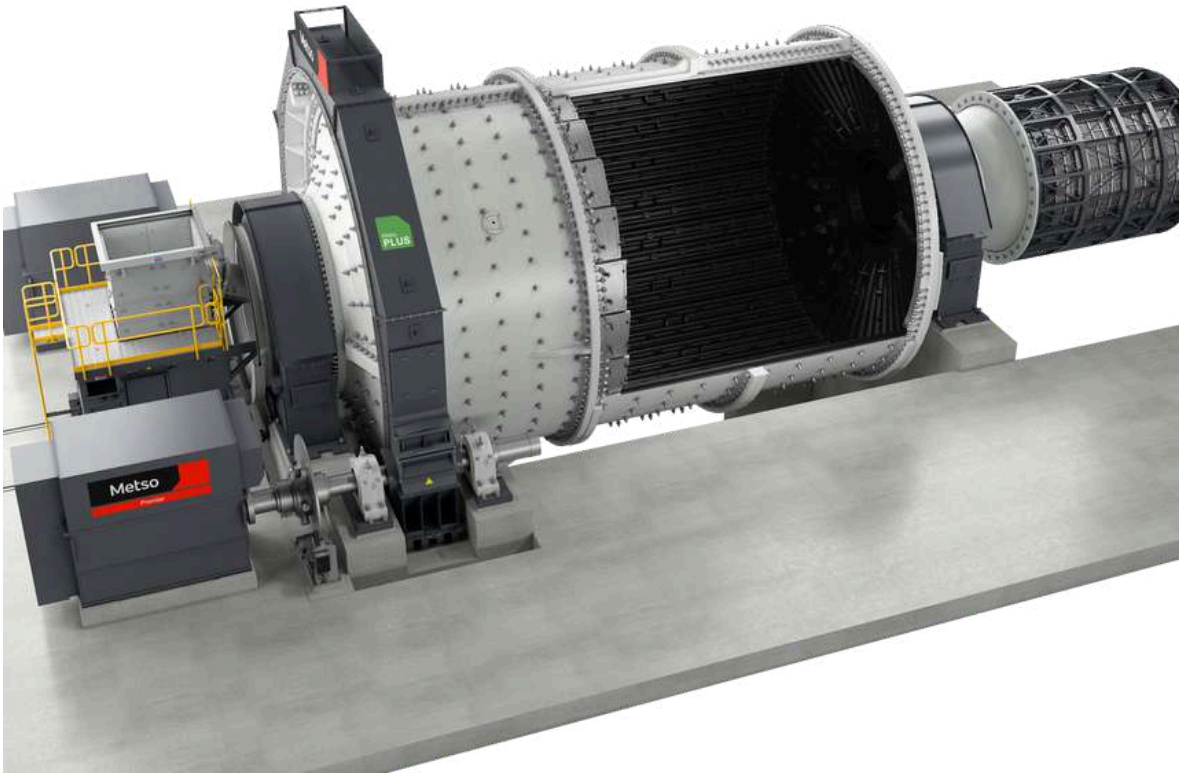
The appointment comes at a time of significant expansion across the region. In 2022, Safic-Alcan reinforced its presence in Brazil through the acquisitions of Sarfam and Proquimil, building a strong foundation in one of Latin America's most dynamic specialty chemicals markets. More recently, the acquisition of Anders Química extended the Group's reach into other Latin American countries—Argentina, Bolivia, Colombia, Chile, Ecuador, Paraguay, Peru, and Uruguay—enhancing both geographic coverage and portfolio depth. Combined with the longstanding ChemSpec platform in North America, these milestones position Safic-Alcan for a new phase of coordinated growth across the hemisphere.

Commenting on the appointment, Yann Lissillour, CEO of Safic-Alcan Group, stated: "*The creation of a Regional Vice Presidency marks an important milestone for Safic-Alcan. The Americas have become an important pillar of our global strategy, and Victor's appointment reflects both our confidence in the region's growth potential and our ambition to operate with greater regional focus and agility. His leadership, expertise, and deep industry understanding will be decisive as we enter this new phase*."

As Vice President, Americas, Victor will oversee all regional operations, ensuring strategic alignment, integration of recent acquisitions, and strengthened collaboration with suppliers and customers across the continent.

Victor holds a Bachelor of Science in Chemistry from Loyola University Chicago and an MBA from Rutgers University. His career spans senior leadership roles in distribution and specialty ingredients at Hallstar, Soliance, and Givaudan—where he served as Global Head of Sales, Active Beauty—and most recently as Vice President and General Manager, Personal Care, at Seqens.

Metso enhances its customer service in China with a new rubber products factory

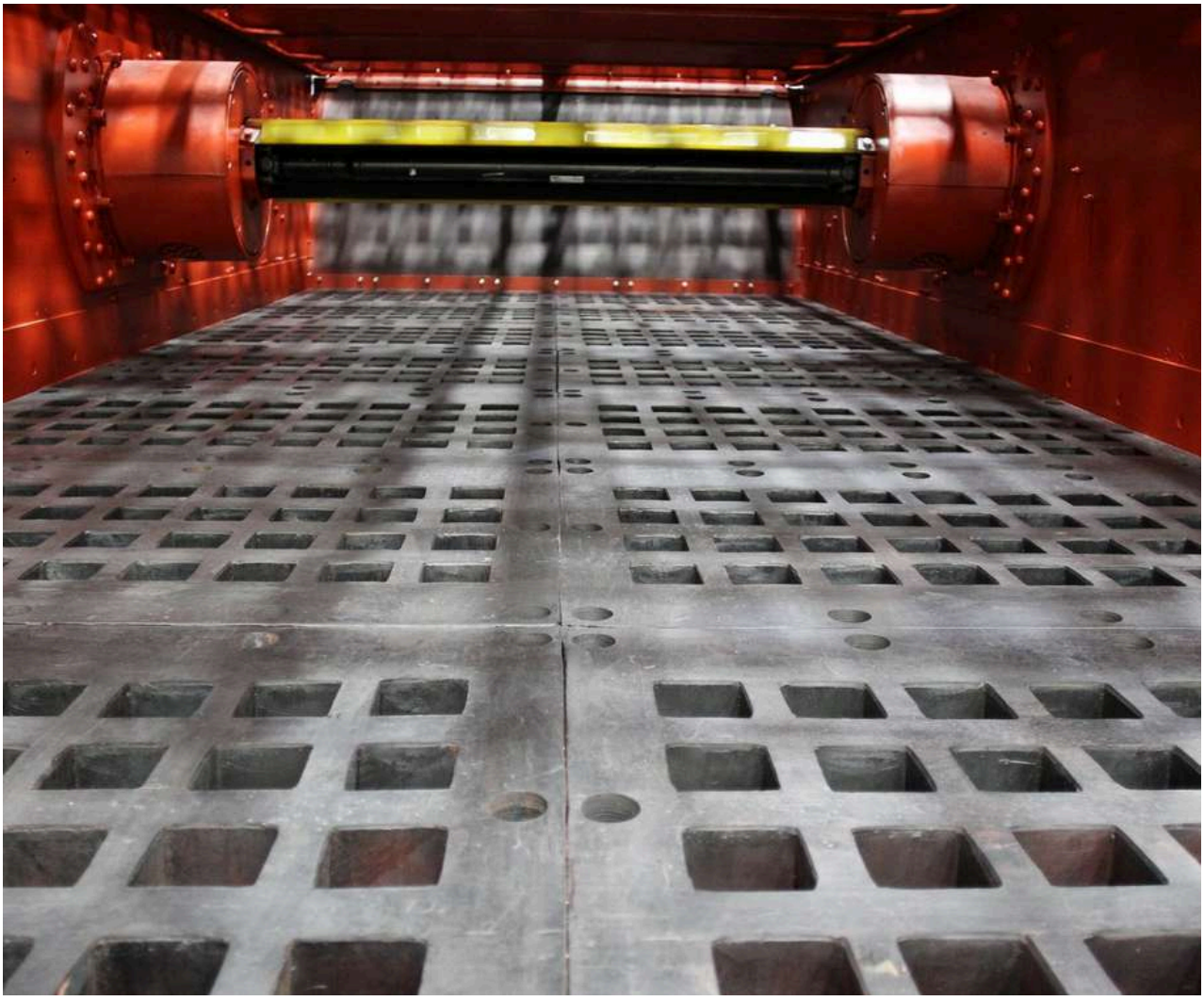


To meet growing demand and improve service for its regional customers, Metso is investing in a new rubber products plant in Quzhou, Zhejiang Province, China.

The new factory will offer rubber and Poly-Met mill linings, as well as Trellex® screening media designed to boost both performance and reliability. With this new plant, Metso aims to expand its supply of high-quality, reliable rubber and Poly-Met wear parts in China, ensuring customer access to products that deliver strong performance and availability.

The investment is aligned with Metso's strategy to strengthen its regional operations in key customer markets. By expanding its manufacturing footprint in China, Metso is reinforcing its commitment to mining and aggregates customers and improving service levels through localized production and supply chain capabilities. This expansion will also enable Metso to provide faster response times, shorter delivery schedules, and an enhanced range of services.

Screening media production at the new plant is scheduled to start during the first quarter in 2026. Mill lining production will commence towards the end of the first half of the year through the adoption of modern technology allowing efficient, high-quality manufacturing of larger and more complex rubber and composite components.



Advanced manufacturing for high-performance products

"*Metso has chosen to proceed with this investment in response to growing customer demand within the rapidly expanding mining sector, particularly among our Chinese customers who have similar requirements. Quzhou was a logical choice, as it also hosts our top-tier foundry. This allows us to provide our customers with the latest advancements in rubber, Poly-Met, or metallic mill linings, as well as screening media. This investment strengthens our technological edge and boosts our competitiveness*," says Saso Kitanoski, President of Consumables at Metso.

Metso is a global technology leader that supplies key mining sites with advanced mill linings and screening media solutions. These products are designed to enhance reliability, boost performance, extend lifespan, and deliver improvements in cost, safety, and sustainability across both grinding and crushing and screening circuits.

"*The new plant will bring value to our customers in China. Localized production will shorten delivery times. Relying on our local supply chain and R&D capabilities, we can meet the various demands of our customers with more flexibility by providing high-quality and highly customized products that comply with Metso's global standards. This strategic investment reflects Metso's long-term commitment to the Greater China market area*," says Xiaofeng Liang, President, Greater China market area, Metso.

The Pirelli Cyber™ Tyre system received four international awards highlighting the innovative scope and safety of this technology.

2025 was a record year for Pirelli innovation, with many awards won in tests and the recognition for Cyber™ Tyre technology, all granted by independent bodies and specialized magazines.

The new tyres from the P Zero, Cinturato, and Scorpion families, in fact, notched up 27 podiums over the year, including 15 first places out of 34 comparative tests. In particular, the products launched in 2025 for the global market, the P Zero and Cinturato, both reached the top of the podium twice. The Cinturato All Season SF3 also continues its cycle of positive results, with 11 victories last year. Furthermore, Pirelli Cyber™ Tyre technology received four recognitions during the year in different countries, confirming the key role of this technology in the mobility revolution towards a connected and increasingly safe future.

TYRES FOR THE GLOBAL MARKET

Among the products introduced in 2025, the new P Zero – the sports tyre par excellence – now in its fifth generation, achieved two victories: it was named best ultra-high performance summer tyre by Tyre Reviews and took first place in tests conducted by the British magazine Auto Express, confirming the performance and safety characteristics announced at launch. The new Cinturato, the summer tyre dedicated to premium vehicles ranging from sedans to CSUVs(?), also recorded two victories – including one from Tyre Reviews – in addition to two podium finishes, demonstrating a perfect balance between safety and efficiency.

As for winter products, the P Zero Winter 2 – Pirelli's solution for the sportiest cars even during the cold season – achieved, in addition to a podium finish, victory in the tests conducted by the historic Swedish magazine Teknikens Värld, in the category of non-studded winter tyres for Central European roads.

These tyres are also among those which feature the most specialties – Pirelli technologies that help increase benefits for motorists – ranging from puncture-resistant technologies (Runflat and RunForward) to those designed to reduce rolling noise inside the cabin (Pirelli Noise Cancelling System).

PRODUCTS FOR THE EUROPEAN MARKET

In both the market and magazine test spotlight, the all-season segment continues to stand out. In 2025, the Pirelli Cinturato All Season SF3 dominated: the latest update of the product for medium-sized and compact cars achieved eleven victories and three podium finishes in comparative tests. "It impressed with its ability to position itself as the right middle ground and to dominate all disciplines in terms of safety," Autobild Sportscars stated when announcing the victory, while according to Tyre Reviews, "There is not much this tyre cannot do." The Scorpion All Season SF3 – the product that extends the technical features of the Cinturato All Season SF3 to meet the needs of SUVs, launched in the last quarter of the year – has already notched up victories. The results obtained by the All Season SF3 range earned Pirelli the titles of All Season Champion 2025 and Top Manufacturer of All Season Tyres, awarded respectively by Germany's automobile club Automobilclub von Deutschland (AvD) and by the prestigious German magazine AutoBild.

FOUR RECOGNITIONS FOR PIRELLI CYBER™ TYRE

Pirelli Cyber™ Tyre technology – the world's first system, hardware and software, capable of collecting data from sensors in the tires and processing them through proprietary algorithms, communicating in real time with vehicle electronics – received four international awards over the year. In the USA, it was recognized as the most innovative technology in the tire sector at the Autotech Breakthrough Awards; in France, at the eighth edition of the Automobile Awards, it won first prize in the safety category; from the independent AutoBest jury, representing 32 European countries, it received the "SafetyBest Award"; finally, the US market analysis company Frost & Sullivan named Pirelli "Company of the Year" for the innovative scope of Cyber™ Tyre, a technology that "highlights how digital systems are able to redefine even the traditional components of the automotive sector," according to the motivations.

Synthomer awarded R&D funding by Greater Akron Polymer Innovation Hub

Synthomer has been awarded two grants through Ohio's Greater Akron Polymer Innovation Hub—one direct research and development grant and one indirect grant administered by the Polymer Industry Cluster—to accelerate innovation and sustainable growth in the polymer sector. The Polymer Industry Cluster plans to invest $8 million (£6 million) across key projects in the Ohio region over the next four years, with additional funding rounds expected in mid-2026 and early 2027.

The direct grant supports the advancement of PLASTVANCE™, enabling new applications and validating key technical performance to drive broader adoption. The indirect grant funds Synthomer's collaboration with the University of Akron, focusing on innovative routes to convert carbon dioxide (CO_2) into high-value polymers such as butadiene, expanding the portfolio of sustainable materials available to industry.

In addition, Synthomer is linked to two other projects selected in this funding round, led by its value-chain partners BioVerde and Promerus, which aim to develop next-generation sustainable materials. Commenting on the grants, Bonnie Yu, Marketing Director Adhesive Solutions – Plastics, highlighted the role of collaboration in accelerating recyclable packaging solutions and strengthening Ohio's innovation ecosystem, while Raymond Somich, Global Director of Government Affairs, noted that Synthomer's involvement in four of the seven selected projects underscores its leadership in collaborative, sustainability-driven innovation.

A New Tyre Factory in Cambodia

Council for the Development of Cambodia announced the launch of a Chinese-invested car tyre manufacturing plant in Svay Rieng Province, marking a significant boost to Cambodia's automotive and rubber industries. The facility is located in the Sin Bavet Special Economic Zone in Bavet town near the Vietnam border and has been developed by Wanli Tire Co. Ltd., a subsidiary of Guangzhou Industrial Investment Holdings Group. Speaking at the inauguration, Cambodian Deputy Prime Minister and CDC First Vice Chairman Sun Chanthol thanked Wanli Tire for selecting Cambodia as its first manufacturing base outside China. He noted that Phase 1 of the factory entered production after one year of construction, reflecting strong confidence in Cambodia's investment climate. The new plant is expected to generate employment, facilitate the transfer of modern technology and skills to local workers, and create a strong domestic market for Cambodian natural rubber, supporting rubber farmers' livelihoods. According to the Ministry of Commerce, Cambodia exported car tyres worth USD 1.22 billion during the first 11 months of 2025, representing a 58% year-on-year increase, underscoring the sector's rapid growth.

Kumho Tire Chooses Opole, Poland as the Location for Its European Factory

Kumho Tire has announced that it has selected Opole, Poland, as the site for its European plant. The decision is part of the company's strategy to expand its global production footprint and accelerate growth in the European market.

The new European facility in Opole is scheduled to begin initial operations in August 2028, pending investment and regulatory approval. The first phase will support an annual production capacity of six million tires, with phased expansions planned according to market demand. The total investment is valued at US$ 587 million

Kumho evaluated several European countries, including Poland, as potential locations for the new plant, assessing factors such as site suitability, sales growth potential, investment stability, profitability, and available incentives. After a thorough review of the final two candidate regions, the company selected Opole for its logistical advantages, skilled workforce, competitive infrastructure, stable access to the European market, and the attractive incentives offered by the Polish government.

Accounting for roughly 25% of global tire consumption, Europe represents a market of substantial strategic importance for Kumho with European sales making up approximately 26.6% of the company's total revenue in 2024. By establishing a local production base, Kumho will secure a stable foundation for sales expansion while strengthening its portfolio of high-value-added products (HVPs), including high-performance and large-inch tires. This move is expected to boost both profitability and brand value.

Europe also comprises about 17% of the global original equipment (OE) tire market and is home to major high-end vehicle manufacturers. Until now, the absence of a European production base had limited Kumho Tire's supply stability and lead-time competitiveness. The new facility is expected to significantly improve OE responsiveness and create new opportunities for collaboration with leading automotive brands.

"The European market holds tremendous strategic significance in the global tire industry," said Il-Taik Jung, President & CEO of Kumho Tire. "By establishing local production and supply capabilities in Europe, Kumho Tire will strengthen its market competitiveness, local responsiveness and attractiveness to European vehicle manufacturers with the product quality for which the brand is renowned."

Meanwhile, Kumho Tire plans to complete a new factory in Hampyeong, Korea by the end of 2027, with an annual capacity of 5.3 million tires. With the confirmation of the Polish site, the company is set to build a fully integrated production network spanning Asia, Europe, and North America. Through this system, the tire maker will continue expanding its regionally optimized production capabilities to meet market-specific demand and reinforce its global competitiveness.

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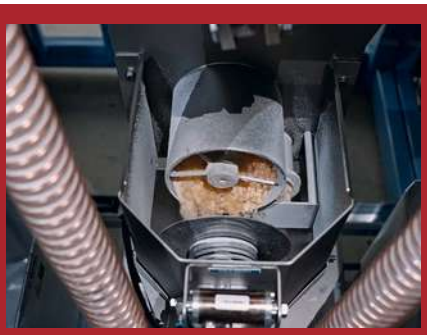

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Indonesia RUBBER EXPO

27-29 OCT 2026

BOGOR, INDONESIA

IPB CONVENTION CENTRE

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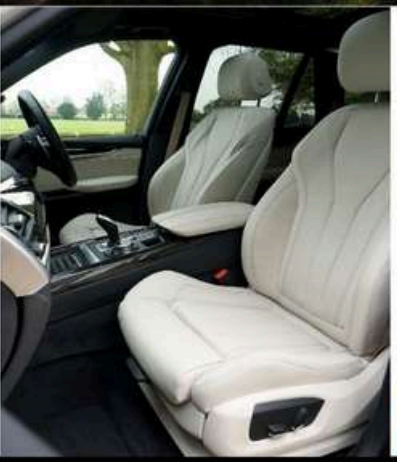
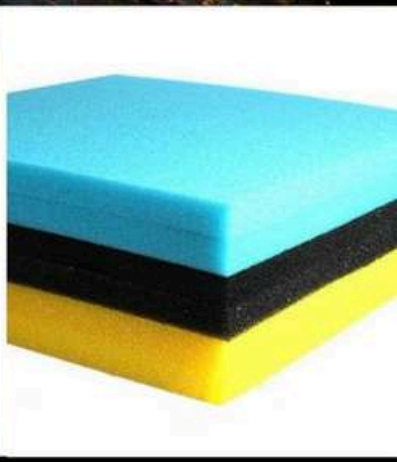
ASIA POLYURETHANE & ADHESIVE EXPO

30-31 MARCH 2026, KUALA LUMPUR

Putra World Trade Centre

A TechnoBiz Trade Exhibition for Polyurethane & Adhesive Companies in Asia





https://expo.technobiz.org

TechnoBiz

PU WEEK

A TechnoBiz Executive Forum on Polyurethane Technology and Industry

30 Mar-2 Apr 2026
Kuala Lumpur
Malaysia

https://expo.technobiz.org

ASIA POLYURETHANE & ADHESIVE EXPO

30-31 March 2026
Kuala Lumpur
Malaysia

Putra World Trade Centre
10am-6pm

APBA CONFERENCE

30-31 March 2026
Kuala Lumpur, Malaysia
World Trade Centre, 10am-6pm

Sustainable PU Industry FORUM

1 April 2026
Kuala Lumpur, Malaysia
Seri Pacfic Hotel | 9am-5pm

Polyurethane Executive Dinner

30 March 2026
Kuala Lumpur, Malaysia
Seri Pacific Hotel, 7pm-10pm

POLYURETHANE TRAINING

1-2 April 2026
Kuala Lumpur, Malaysia
Seri Pacfic Hotel | 9am-5pm

https://www.technobiz.org

A TechnoBiz Executive Forum on Tyre Science, Technology & Industry

TechnoBiz Tyre Tech WEEK

10-12 FEB 2026

CHENNAI, INDIA | GREEN PARK HOTEL

Edition - 2 | Hybrid Event

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Why You Must Join Tyre Tech Week 2026

(Please Scan QR Code to learn about highlights & benefits)

https://conference.technobiz.org

A TechnoBiz Executive Forum on Tyre Science, Technology & Industry

TechnoBiz Tyre Tech WEEK

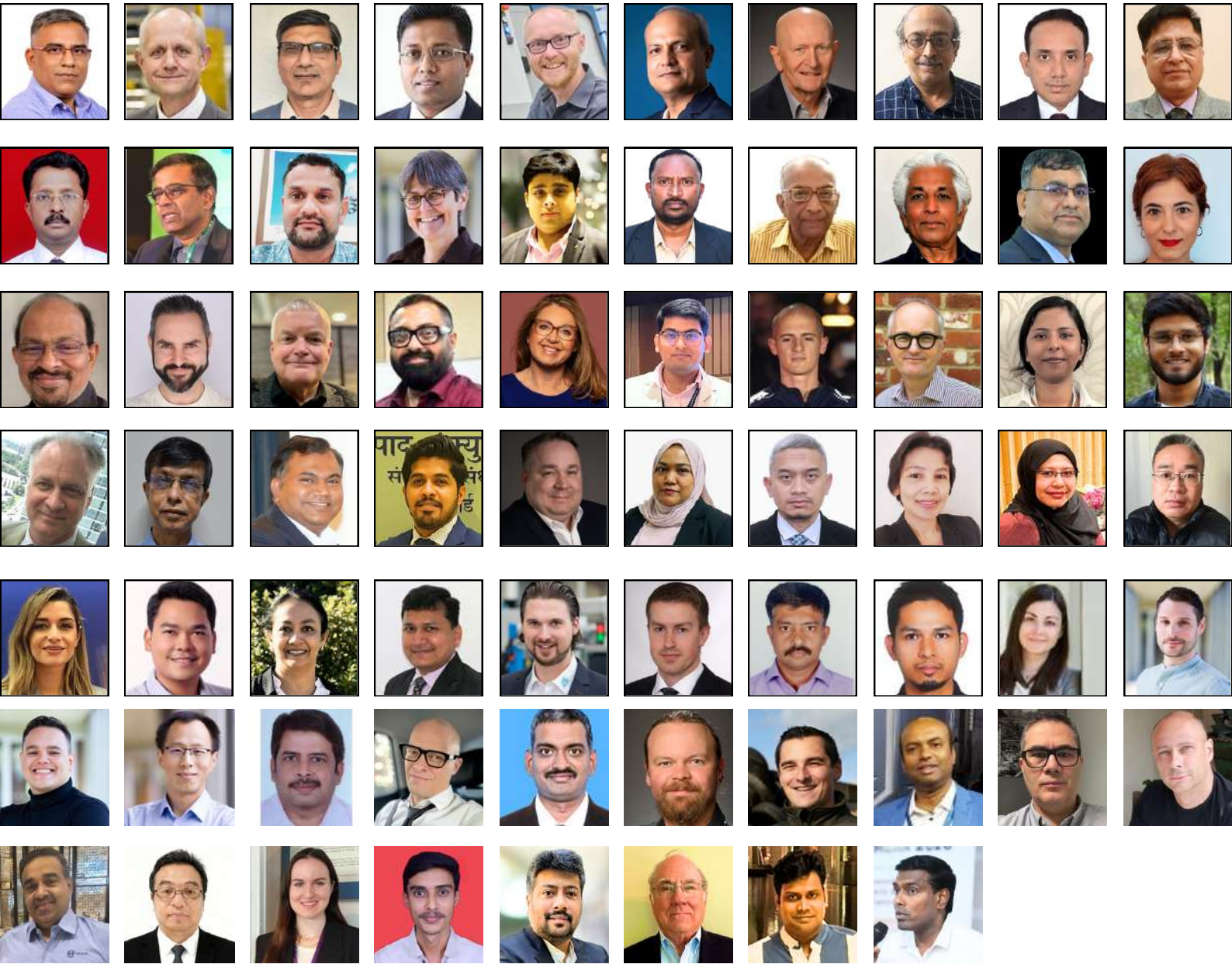
Edition - 2 | Hybrid Event

10-12 FEB 2026

CHENNAI, INDIA

GREEN PARK HOTEL

Confirmed Speakers



A Must Attend Event for Every Tyre Professional

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TechnoBiz Tyre Tech WEEK

Edition - 2 | Hybrid Event

10-12 FEB 2026

CHENNAI, INDIA

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Key Components of Tyre Tech Week 2026

- Technical Presentations on materials, design, EV tyres, manufacturing, and sustainability.
- Leadership Sessions offering strategic insights and industry perspectives.
- Educational Sessions or both technical and non-technical participants.
- Panel Discussions/ Round Table on EV tyres, sustainability, and Indian regulations.
- Tyre Manufacturing Clinic for practical troubleshooting and Q&A.
- Smart Tyre Manufacturing Theatre (Technology Videos Screeing)
- Research Poster Fair showcasing new tyre science and innovations.
- Table-Top Expo featuring advanced materials, machinery, and testing systems.
- Networking Opportunities with industry leaders and solution providers.

Why You Should Attend Tyre Tech Week 2026

- Stay updated on the latest tyre technologies, EV trends, and sustainability innovations.
- Learn from global experts sharing high-impact technical and leadership insights.
- Gain knowledge across the full tyre value chain—from materials to manufacturing to recycling.
- Join interactive sessions like panel discussions, the Tyre Clinic, and the Research Poster Fair.
- Network with industry leaders, researchers, suppliers, and decision-makers.

TechnoBiz RoundTable | Panel Discussions:

The panel discussions at Tyre Tech Week 2026 will bring together experts from across the tyre value chain to address key priorities for the Indian tyre industry, focusing on:

- EV Tyres for India: Design, Materials & Performance Challenges
- Sustainable Materials, Circularity & Tyre Recycling: Roadmap for India
- Evolving Indian Tyre Regulations: BIS Standards, Rolling Resistance, Wet Grip & Labelling

These focused sessions foster practical insights, policy dialogue, and collaboration to support the industry's technological advancement, sustainability goals, and global competitiveness.

TechnoBiz Clinic - Tyre Manufacturing

As part of Tyre Tech Week 2026, TechnoBiz will host a special Clinic Session on Tyre Manufacturing, offering an open platform for interactive discussion and problem-solving. Participants can ask questions related to any aspect of tyre manufacturing—from materials and processes to quality control and technology. Expert speakers and industry professionals will engage in practical, experience-based discussions to share insights and workable solutions.

To guide the conversation, the Clinic will focus on three key areas of tyre manufacturing:

1. **Tyre Compounding & Materials** – Mixing practices, raw material selection, dispersion challenges, batch consistency, and rheological behavior.
2. **Component Preparation & Tyre Building** – Extrusion, calendering, bead and ply preparation, splicing, and green tyre building challenges.
3. **Curing, Quality Control & Troubleshooting** – Vulcanization issues, mold performance, defect analysis, uniformity testing, and field-return investigations.

TechnoBiz Tyre Tech WEEK

Edition - 2 | Hybrid Event

10-12 FEB 2026

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CONFIRMED TOPICS

Keynote Talk

- **Digital Transformation and Data Advancement in Tyre Industry** | *Amarnath SKP, Vice President (R&D), Apollo Tyres Ltd, India*

Invited Talks

- **Bangladesh Tyre Industry: Market Trends, Investments, and Future Outlook** | *Md. Miraj Rahman , Director, Rupsha Tyres & Chemicals Ltd, Bangladesh*
- **Covering agents for Silica Reinforcement of NR/SBR** | *Prof. B. Kothandaraman, Emeritus Professor, Department of Rubber & Plastics Technology, Madras Institute of Technology, Anna University, India*
- **Low Rolling Resistance & EV-Optimized Tyres** | *Madan Saini, CEO, NIROM Inc., India*
- **Reverse Engineering of Tyre Compounding Formulations Using Advanced Analytical and Field Evaluation Techniques** | *Sabarinadha Prasad, Managing Director, Revotech Treads Pvt., Ltd., India*
- **Thermal Management of Tyres to Improve Heat Resistance and Prevent Premature Wear** | *C. Jayachandran, Business Development Manager - Asia, Akron Rubber Development Laboratory, Inc (ARDL)*
- **Latest Developments in Green TMQ and 6PPD Replacement for Rubber & Tyre Industries** | *Dr. Mahaveer Singh Chouhan, R&D Manager (RheinChemie), LANXESS India Pvt. Ltd.*
- **Development of Silica–Ceramic Reinforced Liquid Silicone Rubber Composites for Advanced Tyre Applications** | *Prof. Pulla Sammaiah, SR University, India*
- **Recent Advances in Organic Fiber Tyre Reinforcements** |*KS Loganathan, Rubber & Tyre Industry Consultant*
- **Driving Sustainability in Synthetic Rubber: Pathways to a Greener Tyre Industry** | *Marjolein Groeneweg, Global Marketing & Sustainability Director, Synthos Group*
- **Functionalized Emulsion-SBR for Better Silica Dispersion and Tyre Performance** |*Atif Ansari, Research Scholar, Rubber Technology Centre, IIT Kharagpur, India*
- **Exploring Agro-Waste in Tyre Tread: Waste-to-Wealth Approach** |*Dibyendu Dey, Research Scholar, Rubber Technology Centre, IIT Kharagpur, India*
- **Precision Dosing: Driving Quality & Sustainability in Tyre Manufacturing** | *Luca Mariuzzo, Sales Director, Lawer S.p.A., Italy*
- **Euro 7 and Tyre Wear: New Indoor Testing Requirements for C1–C3** | *Michael Müller, Senior Sales and Key Account Manager, ZF Test Systems, Germany*
- **Optimizing Rubber Curing with Active ZnO Technologies** | *Joe Jose Thoppil, Technical Consultant , Florate Polychem, India*
- **Tyre Testing & Compliance Regulations: India and International Requirements Driving Technology Upgradation** | *Sudershan Singh Gusain, General Manager (Technical Training and S&R), Bridgestone India Private Ltd*
- **Building a Sustainable Tyre Industry: Learnings from FLEXIBILITY - the Innate Trait of a Tyre. Lessons from 50 Years in the Rubber Industry** | *V Srinivasan, Partner, 6T Services*
- **Responsible Tyre and Rubber Industry: Driving Standards for a Sustainable Future** | *Dr. K. Rajkumar, Expert Member, ISO TC 45 Committee; Former Director, IRMRI*
- **Cured Tyre Defects: Causes, Diagnosis, and Control Strategies** | *N Srikrishnan, Tyre Industry Consultant*
- **Graphene in Tyre Engineering: Real-World Lessons from Innerliners, Bladders, and Tread Compounds** | *Dr. Brendan Rodgers, ELL Technologies, USA*
- **Advanced Extrusion Head Design for Multi-Compound Tyre Treads** |*Dr. Gerard Nijman, KraussMaffei Extrusion GmbH, Germany*
- **Process Stability and Variation Control in Tyre Component Extrusion** |*Dr. Gerard Nijman, KraussMaffei Extrusion GmbH, Germany*
- **How data mining can help you solving tyre component extrusion issues** | *Dr. Gerard Nijman,KraussMaffei Extrusion GmbH, Germany*
- **DMA, Life-Prediction, and Time-Temperature Superposition for Tyre Performance Predictor Analysis** |*Toby Samples, President & CTO, Akron Rubber Development Laboratory (ARDL), USA*
- **High-speed, Large-FOV 3D Surface Scanner for Tyre–Road Interaction and Bitumen Mapping** |*Francesco Laus, Director, Laus Engineering Ltd., UK*
- ***Upgrading Reclaimed Carbon from Tyre Pyrolysis for Tyre Rubber Applications*** |*Tanumoy Das, Manager Technical Services, CABOT India Pvt., Ltd.*
- **The Balance between Tire Rolling Resistance and Tire Durability** | *Dr. Brendan Rodgers, ELL Technologies, USA*
- **Advancements in Silica Technology and Optimized Dispersion for Rubber Compounds** | *Sujoy Bhattacharyya, Assistant General Manager (Technical Sales), TATA Chemicals Ltd., India*
- **Performance and Sustainability in the Modern Tyre Sector** |*Dr. Fabio Bacchelli, Head- Global Technical Support, Versalis SpA, Italy*
- **Advanced Rubber Nanocomposites for High-Performance and Sustainable Tyre Applications** | Prof. Honey John, Cochin University of Science and Technology,India
- **Advanced Release Agents & Coating Technologies for Modern Tyre Manufacturing** | *Ranjit Nandurkar*
- **Rethinking Tire Wear Particle Collection: Why Simplified Laboratory Studies Are Essential for Emission Reduction** | Dr. Radek Stocek, Tomas Bata University, Czech
- **Beyond Carbon Black and Silica: The Reinforcing Potential of Lignin for Future Tyre Compounds** | Dr. Amit Das, Scientist, (IPF) Leibniz Institute of Polymer Research Dresden, Germany
- **Functional Additive Approach to Achieve Ultra High Tyre Performances** | *Jionghao HE, R&D Director, Otsuka Material Science and Technology (Shanghai) Co., Ltd., China*

TechnoBiz reserves the right to make changes to presentation topics due to unavoidable circumstances

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A TechnoBiz Executive Forum on Tyre Science, Technology & Industry

TechnoBiz Tyre Tech WEEK

Edition - 2 | Hybrid Event

10-12 FEB 2026

CHENNAI, INDIA

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CONFIRMED TOPICS



- **Engineering EV Tyres for Load, Noise, and Energy Efficiency: Design Innovations and Challenges** | *Dr. Brendan Rodgers, ELL Technologies, USA*
- **Electrical Curing: The Next Frontier in Sustainable Tyre Manufacturing** | *Anil Nair, Director of Business Development, HF GROUP , Germany*
- **Nano ZnO-Based Bead Filler Compounds: Heat Reduction and Performance Prediction via FEA** |*Prof. Abhijit Bandyopadhyay, Department of Polymer Science & Technology, University of Calcutta, India*
- **Innovations in Carbon Black and Nano-Carbons for Tyre Performance Enhancement** | *Dr. Amit Chakrabarti, General Manager (R&D), PCBL Chemical Ltd, India*
- **Material Innovations & Testing Regulations Shaping Next-Generation Tyres** | *Dr. Bharat Kapgate, Deputy Director, Indian Rubber Materials Research Institute (IRMRI)*
- **Balancing Performance and Environmental Impact - Holistic Validation of 6PPD Replacements for Tyres** |*Pravin Kumar, Independent Consultant, Smithers*
- **The Science of Tyre Wear: Chemical and Physical Mechanisms Driving Tread Degradation** | *Nick Molden, Founder & CEO, EMISSIONS ANALYTICS,*
- **Ultra–Low Rolling Resistance Tread Formulation for PCR Tyres: Materials and Design Strategies** | *Yu Xueyong, Material & Compound Consultant, Jining Junhong Rubber Technology Co., Ltd., China*
- **Cost-Effective Tyre Compounding Using Modified Kaolin Technology** | *Yu Xueyong, Material & Compound Consultant, Jining Junhong Rubber Technology Co., Ltd., China*
- **Better Sorting, Better Recycling: How Automation, Traceability & Data Are Shaping the Future of Tyre Recycling** |*Arthur Wagner, CEO, REGOM, France*
- **Compound Formulation Design for Silica-Reinforced Rubber** | *Dr. Kannika Sahakaro, Associate Professor, Prince of Songkla University, Pattani Campus, Thailand*
- **Role of Life Cycle Assessment in Tyre industry** | *Yogesh Jadhav, Research Scholar, BITS Pilani K K Birla Goa Campus, India*
- **New Technology for Efficiency and Material Saving in Tyre Production (TRP / Two-Roll Plasticizer)** | *Manuel Bessler General Manager, Uth GmbH, Germany*
- **Sustainable Rubber Compounding Strategies for Next-Generation Tyres** | *Prof. Bagdagul Karaagac, Kocaeli University, Turkey*
- **Effect of Thermal and Thermo-Oxidative Aging on Tyre Rubber Compounds** | *Aruna Aravindakshan, Associate Manager - Compound Development, Apollo Tyres Global R&D Centre Asia*
- **AI as critical enabler of added value across the tire lifecycle** | *Arthur Mayer, Zephyr Research Partners LLC, USA*
- **Process Additives – overcoming the stick to slip challenges "Managing polymer interface interaction** | *Colin Clarke, Director Technical Sales, Schill+Seilacher "Struktol" GmbH, Germany*
- **Latex–Graphene Nano-Composites for Advancing Tyre Technology** | *Dr. Anumon V. Divakaran, Assistant Professor, School of Polymer Science and Technology (SPST), Mahatma Gandhi University, India*
- **Peptiser Selection & Mixing Strategies for High-Performance Natural Rubber Compounds** | *Colin Clarke, Director Technical Sales, Schill+Seilacher "Struktol" GmbH, Germany*
- ***Recent Advances in Rubber Devulcanization: Technologies, Challenges, and Future Outlook.*** |
- *Dr. Vaishak Nambiathodi, Mahatma Gandhi University, India*
- **Epoxidized Palm Oil as a Performance Modifier in Green Tyre Tread Compounds for Improved Wear, Skid, and Rolling Resistance** |*Dr. Nur Raihan Mohamed, Universiti Teknologi MARA (Perlis Branch), Malaysia*
- **Rubber Reinforcement with Bio-Fillers for "Green Tire" Application : Chemistry & Practice** | *Prof. Nadras Othman, Universiti Sains Malaysia*
- **Integrating 100% Bio-Based Process Oils into Tire Compound Formulations: A Sustainable Approach** | *Muge METINOZ, R&D Director, Skyhem Chemicals, Turkey*
- **Latest Trends in Mixer Design & Process Control for Improving Silica Mixing** | *Ajesh KP, Manager Mixing Process Development, Kobelco Industrial Machinery India Pvt., Ltd.*
- **Rubber for future Mars Tyre** | *Dr. Rafal Anyszka, Assistant Professor, Lodz University of Technology, Poland*
- **Modified Stearin Fraction from Crude Palm Oil as Bioprocessing Oil in Tyre Tread Compound** | *Dr. Mohamad Irfan Fathurrohman, PT. Riset Perkebunan Nusantara, Indonesia*
- **Silica-Reinforced Natural Rubber for Energy-Saving Tyres: From Mixing Optimization to Rolling Resistance Reduction** | *Dr.Wisut Kaewsakul, Walailak University, Thailand*
- **Stabilizing Silica-Filled Natural Rubber: Suppression of Mixing-Induced Degradation** | *Dr. Ammarin Kraibut, Prince of Songkla University, Pattani, Thailand*
- **Effect of Vegetable Oil in Natural Rubber Compounds** |*Vivek KT, Senior Product Manager, Raj Petro Specialities Pvt. Ltd., India*
- **The True Cost of Tyre Manufacturing: Raw Materials, Regional Differences & the Price of Sustainability** | *Aki Nurminen, Solution Manager, Black Donuts Engineering Inc., Finland*
- **New Formulation Approaches for Improved Processing and Performance in Passenger Car Tire Tread Compounds** |*Dr. Dharmesh Chotalia, Business Director (High Performance Polymers), EVONIK India*
- **New Developments in Silica Reinforcement of Natural Rubber** | *Dr. Benny George, Scientist (Rtd.) Rubber Research Institute of India*
- **Calendar Optimization in Tyre Manufacturing** | *Thomas Fisher, Owner & CEO, Facts Inc., USA*
- **AI based Predictive Maintenance in Tyre Manufacturing** | *Nagendra Prasad Kumble, Founder & CEO, Radome Technologies & Services Pvt. Ltd., India*
- **Re-Engineering of Tyre Reinforcement for Low Environmental Impact and Reduced Carbon Footprint: An Approach via Nanocellulose-Enabled Sustainable Tread Compounds** | *Tapas Ranjan Mohanty, Lead Scientist-RM, Apollo Tyres Global R&D Centre, Asia*

Special Session - University of Twente

- **How to Reach a Fully Sustainable Compound?**
  - Bio-oils and Resins (*Dr. Pilar Bernal Ortega*)
  - Re-think Sulfur Curing (*Dr. Fabian Grunert*)
  - Alternative Coupling (*Prof. Dr. Anke Blume*)
  - Recycling of Rubber (*Dr. Javier Araujo Morera*)
- **How to Predict In-Rubber Properties in the Best Way?**
  - Prediction of Wear Behavior (*Prof. Dr. Anke Blume*)
  - Use of Machine Learning (*Dr. Dengpeng Huang*)

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CHENNAI, INDIA

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SPECIAL SESSIONS


University of Twente, Netherlands Session on "Science of Sustainable Tyre Compounding: Design, Curing & Predictability"

Session Agenda

Introduction ETE, University of Twente (*Prof. Dr. Anke Blume*)

How to Reach a Fully Sustainable Compound?

- Bio-oils and Resins (*Dr. Pilar Bernal Ortega*)
- Re-think Sulfur Curing (*Dr. Fabian Grunert*)
- Alternative Coupling (*Prof. Dr. Anke Blume*)
- Recycling of Rubber (*Dr. Javier Araujo Morera*)

How to Predict In-Rubber Properties in the Best Way?

- Prediction of Wear Behavior (*Prof. Dr. Anke Blume*)
- Use of Machine Learning (*Dr. Dengpeng Huang*)

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ETE

Smart Tyre Manufacturing Theatre

At Tyre Tech Week 2026 in Chennai, TechnoBiz is organizing a special session titled "*Smart Tyre Manufacturing Theatre*", showcasing video demonstrations of advanced tyre manufacturing technologies. We invite interested technology suppliers and solution providers to submit short videos (maximum 5 minutes) highlighting innovations in mixing, tyre building, curing, automation, digitalization, and quality control. This is an excellent opportunity to present your solutions to global tyre professionals. For participation details, please contact Peram Prasada Rao. Participation fee is 200 US$/Video

Training Program

Advanced Rubber Extrusion: Design, Rheology & Troubleshooting

13 Feb 2026, Chennai, India

Instructor : Dr. Gerard Nijman

- *Module 1* – Principles of Rubber Extrusion
- *Module 2* – Rubber Rheology and Process Engineering
- *Module 3* – Process Layout of a Rubber Extruder
- *Module 4* – Die Design and Flow Optimization
- *Module 5* – Process Control and Line Setup
- *Module 6* – Extrusion line layout; Cooling or Vulcanization, Booking and Finishing Operations
- *Module 7* – Common Extrusion Defects and Root Cause Analysis
- *Module 8* – Practical Case Studies & Troubleshooting Workshop

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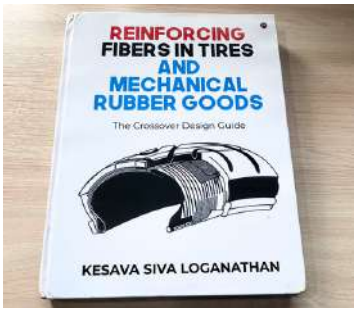
Tyre Research Poster Fair

TechnoBiz is pleased to introduce the "**Tyre Research Poster Fair**" as part of Tyre Tech Week 2026, offering researchers a platform to showcase their latest work in tyre science and technology. Interested researchers are invited to submit proposals including the poster topic and a brief summary by email to Peram Prasada Rao (peram.technobiz@gmail.com) by 20 December 2025. Each researcher may submit up to two proposals based on their recent research. TechnoBiz will handle printing and display arrangements for all confirmed posters. Final posters must be prepared in high-resolution PDF format (size: 95 cm (W) × 120 cm (H)). Researchers who wish to attend the event in person can register with a nominal fee of USD 200 / ₹10,000, which includes lunch, refreshments, and access to all oral presentations.

Free Reference Book

Delegates who register for Tyre Tech Week 2026 before 10 January 2026 will receive a complimentary copy of the book "*Reinforcing Fibers in Tires and Mechanical Rubber Goods – The Crossover Design Guide*" by Kesava Siva Loganathan. This valuable reference offers deep insights into tire reinforcement design and applications. Limited copies available—register early to secure yours!



TechnoBiz Clinic : Tyres Mfg

As part of Tyre Tech Week 2026, TechnoBiz will host a special Clinic Session on Tyre Manufacturing, offering an open platform for interactive discussion and problem-solving. Participants can ask questions related to any aspect of tyre manufacturing — from materials and processes to quality control and technology. Expert speakers and industry professionals will engage in practical, experience-based discussions to share insights and solutions.

TechnoBiz Knowledge Test

All participants of Tyre Tech Week 2026 are invited to join the TechnoBiz Knowledge Test on "***Tyre Technology***," which will be conducted on the second day of the event. This one-hour test evaluates participants' understanding of tyre materials, design, compounding, and performance technologies. The top scorer will receive a ₹10,000 cash prize and a Certificate of Excellence from TechnoBiz. A great chance to test your knowledge and gain recognition among tyre professionals!

TechnoBiz Tyre Tech WEEK

Edition - 2 | Hybrid Event
10-12 FEB 2026 | CHENNAI, INDIA
GREEN PARK HOTEL

DELEGATE / SPONSORSHIP PARTICPATION

Delegate Registration Fee / Person

Tyre Tech Week 2026 (10-12 Feb 2026)
In-Person Participation
- Indian Delegates: Rs. 30,000
- Overseas Delegates: US$ 700

Online Participation
- Indian Delegates: Rs. 50,000
- Overseas Delegates: US$ 1200

Training - Rubber Extrusion (13 Feb 2026)
In-Person Participation
- Indian Delegates: Rs. 15,000
- Overseas Delegates: US$ 400

Online Participation
- Indian Delegates: Rs. 30,000
- Overseas Delegates: US$ 800

Delegate Registration Form

Remarks: GST 18% applies on above fees . Discount is Available for Group and Early-Bird Registrations from the same organization . Delegate Registration Fee subjected to increase one week before schedule. 10% discount for speaker recommended delegates.

Event Venue

Hotel Green Park
N.S.K. Salai, Arcot Rd,
Vadapalani, Chennai
Tamil Nadu 600026, India
hotelgreenpark.com/chennai

Sponsorship Options (Tyre Tech Week 2026)

Option 1: Corporate Sponsor *(Rs. 200,000 | US$ 2500)*
- Recognition as a Sponsor in all signage / promotional materials
- Table-Top Booth in the Conference Area
- Display of Company Brochures at Display Zone
- 5 Delegate Passes - Complimentary
- Full Page Advert in the "Rubber Review" E-Magazine for 6 Months
- Social Media Promotion of Company Advert & Videos
- 30% OFF on the Registration Fee for Additional Delegates

Option 2 : Supporter (Rs. 100,000 | US$ 1500)
- Recognition as a Supporter in all signage / promotional materials
- Display of Company Brochures at Display Zone
- 2 Delegate Passes - Complimentary
- Social Media Promotion of Company Advert & Videos
- 20% OFF on the Registration Fee for Additional Delegates

Remarks: GST 18% applies on above fees

Sponsor Registration Form

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PKR Consultants is authorized organization to process fee payments for delegate registrations and sponsorships from organizations based in India
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Time Length: 3 Months to 12 Months

Rubber Compound - Technology & Management
Time Length: 2 Months to 12 Months

Who can Apply?
Professionals with a minimum of 3 years experience in the rubber industry | Candidate must be currently working in the rubber company and must complete the TechnoBiz Pre-Assessment Test with a score of min. 60% | Candidate must be sponsored by the company | Company can nominate only one person per year

Registration Fee Discounts
Candidates who score over 85% in the TechnoBiz Pre-Assessment Test will receive 50% off on the registration fee.

A Unique Program designed for Rubber Industry Overall Performance Improvement

To apply, please contact
Peram Prasada Rao
Program Director
E: peram.technobiz@gmail.com
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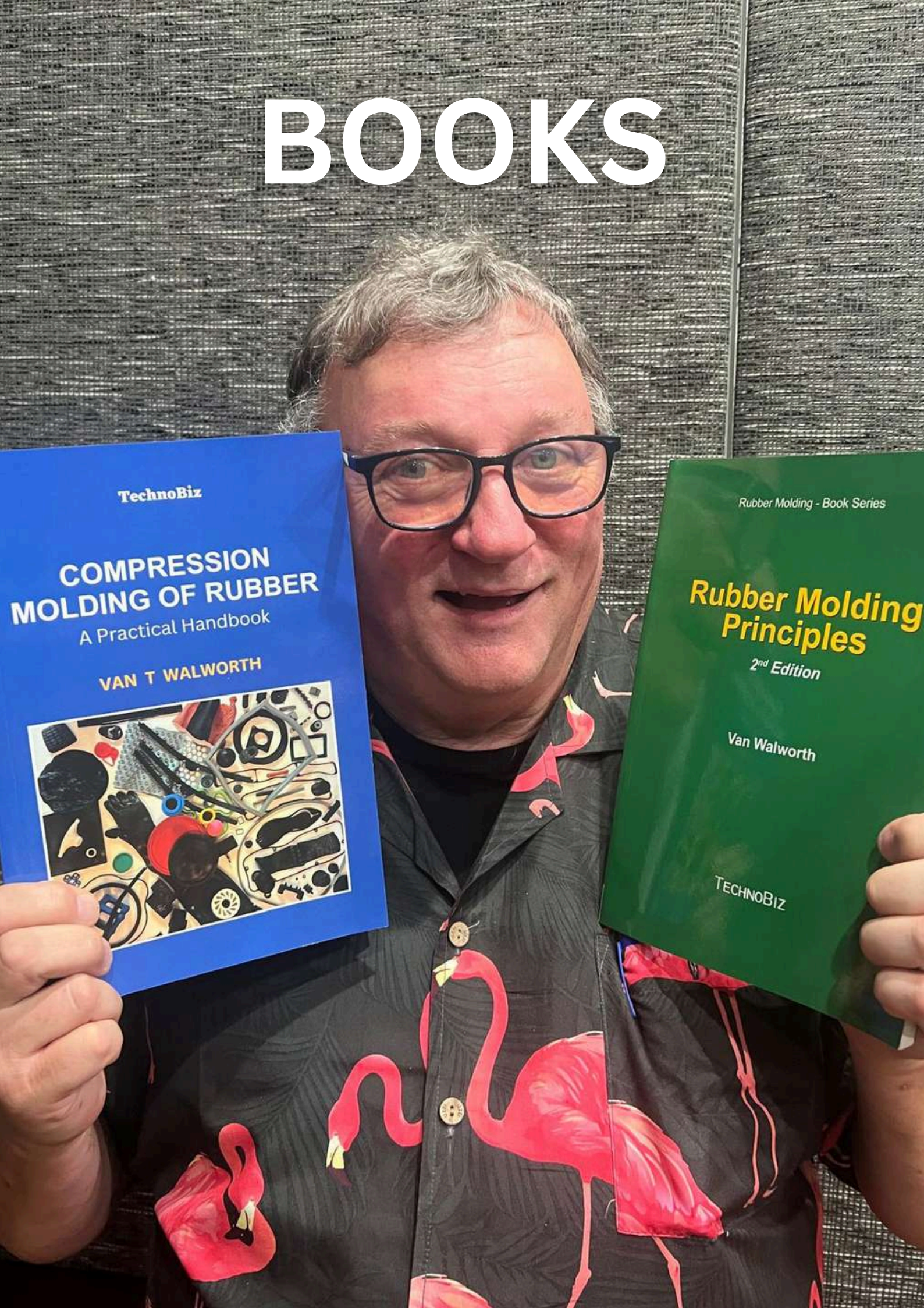
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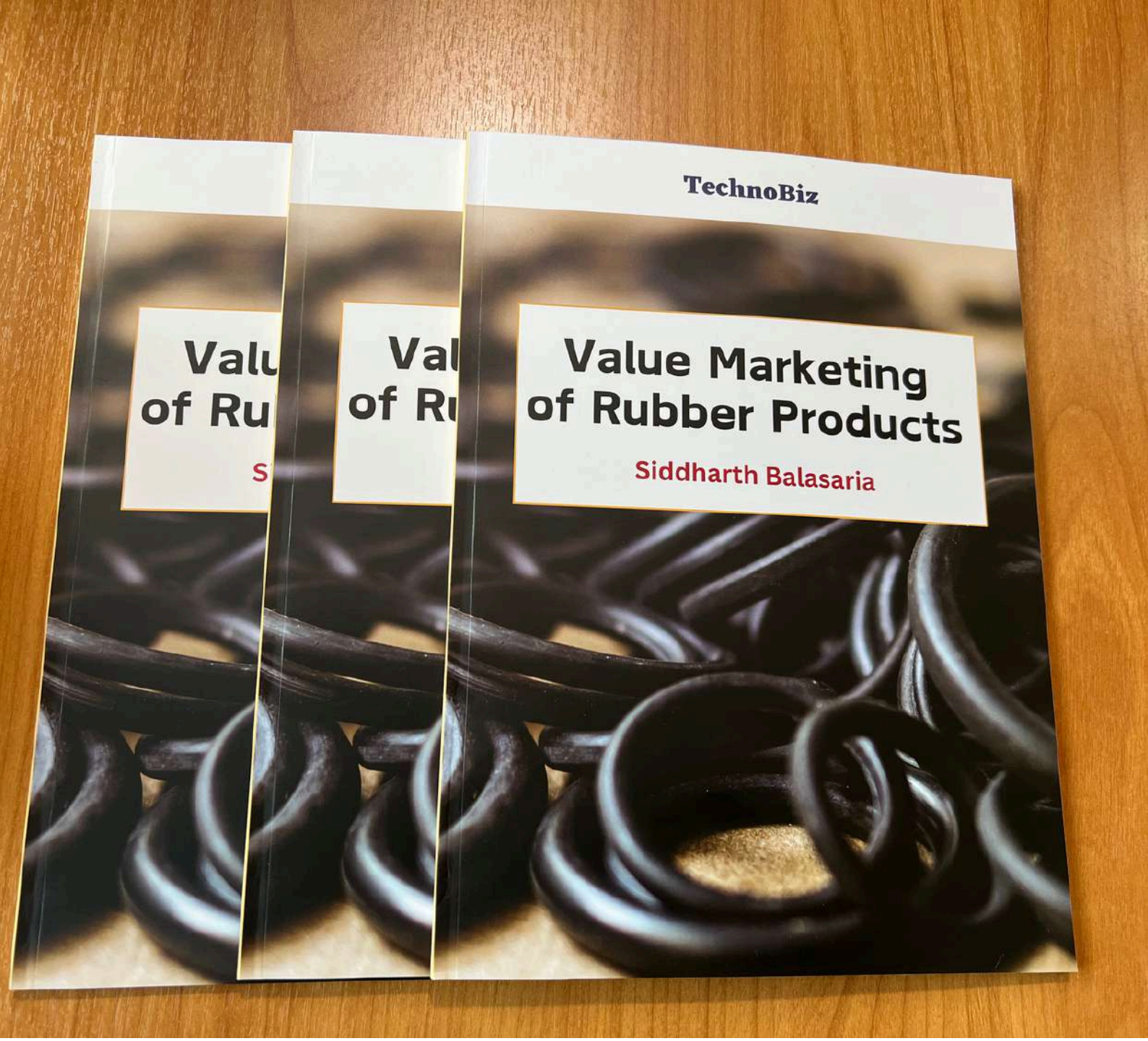
COMPRESSION MOLDING OF RUBBER
A Practical Handbook
VAN T WALWORTH
Rubber Molding - Book Series
Rubber Molding Principles
2nd Edition
Van Walworth
TECHNOBIZ



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Compression Molding of Rubber
A Practical Guide

Author : Van Walworth | **Pages** : 180 | Soft Bound
ISBN : 978-616-92264-44 | **Publisher** : TechnoBiz | Year : 2024
Book Price : 159 US$ + Shipping

AVAILABLE NOW

Book Contents

Chapter 1: Introduction to Compression Molding of Rubber
Chapter 2: Rubber Flow & Behavior of Rubber in Compression Molds
Chapter 3: Rubber Molding Presses Used in Compression Molding
Chapter 4: Compression Molding Parting Line Options
Chapter 5: Compression Mold Alignment & Registration
Chapter 6: Compression Molding Tear-Trims, Over-Flows, and Vents
Chapter 7: Compression Molding Preform Considerations
Chapter 8: Compression Molding Using Vacuum
Chapter 9: Basic Rubber Compression Mold Design
Chapter 10: Compression Molding Process Troubleshooting
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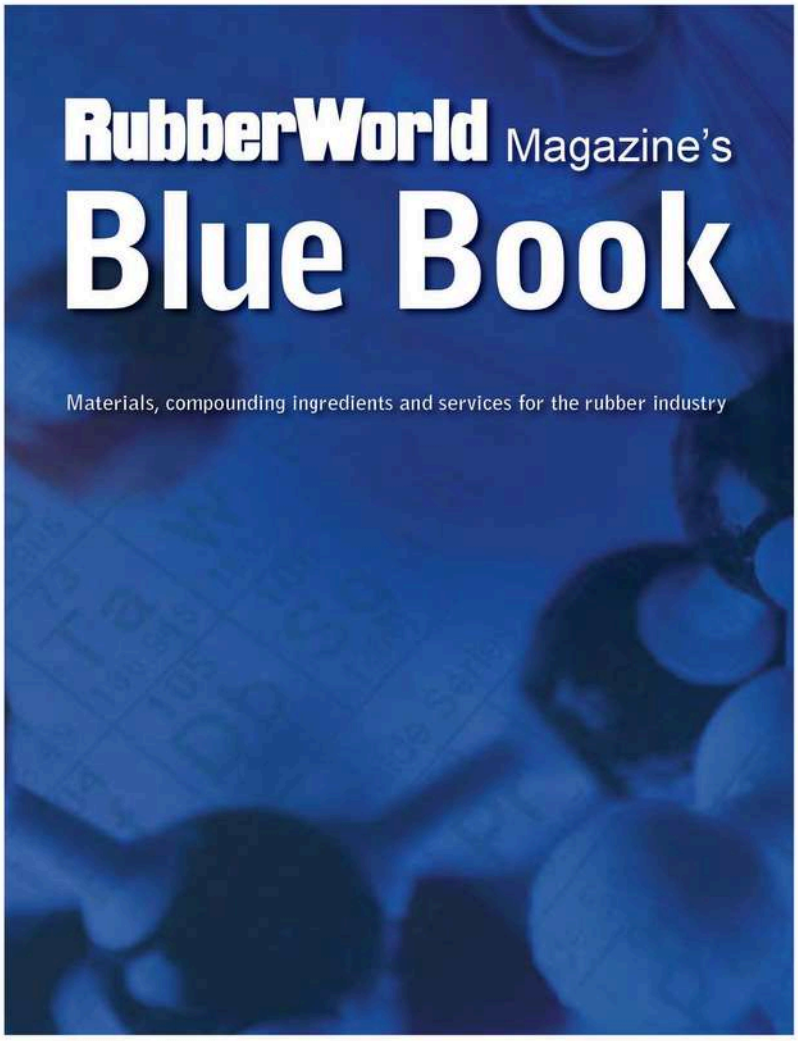

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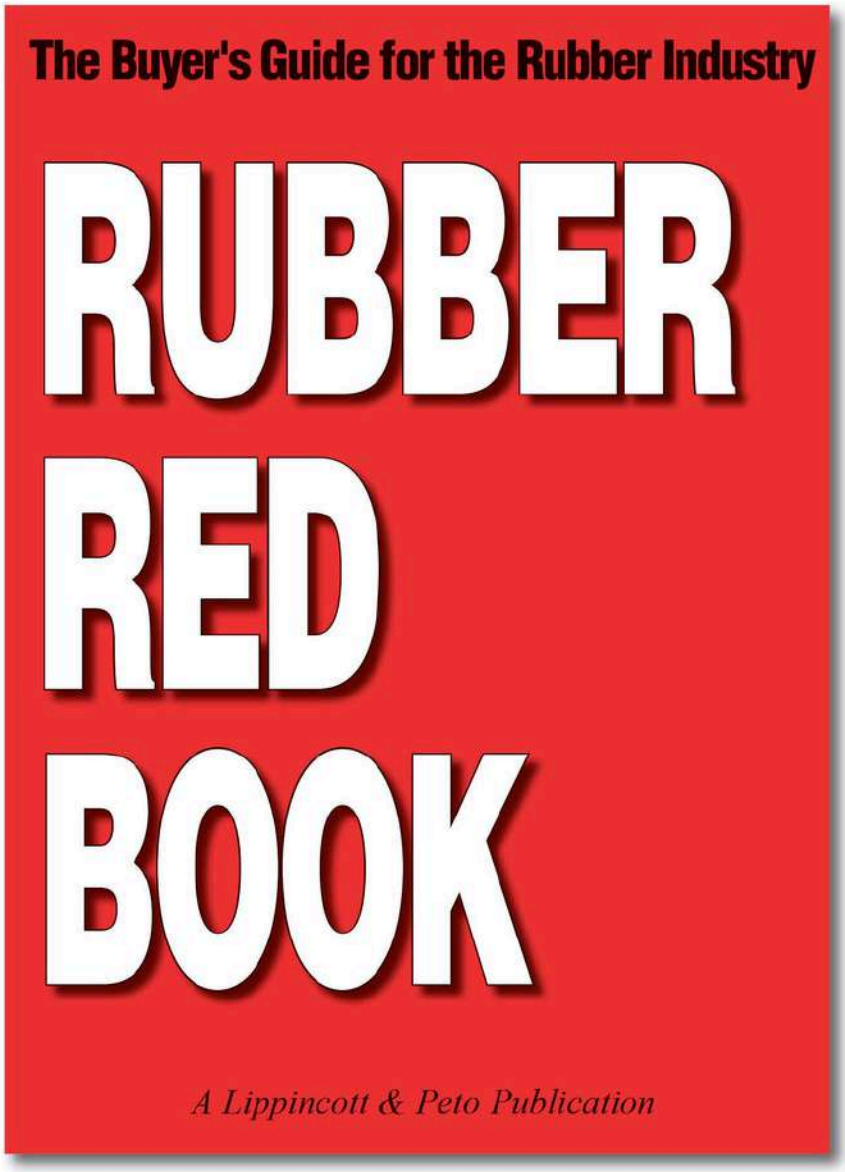

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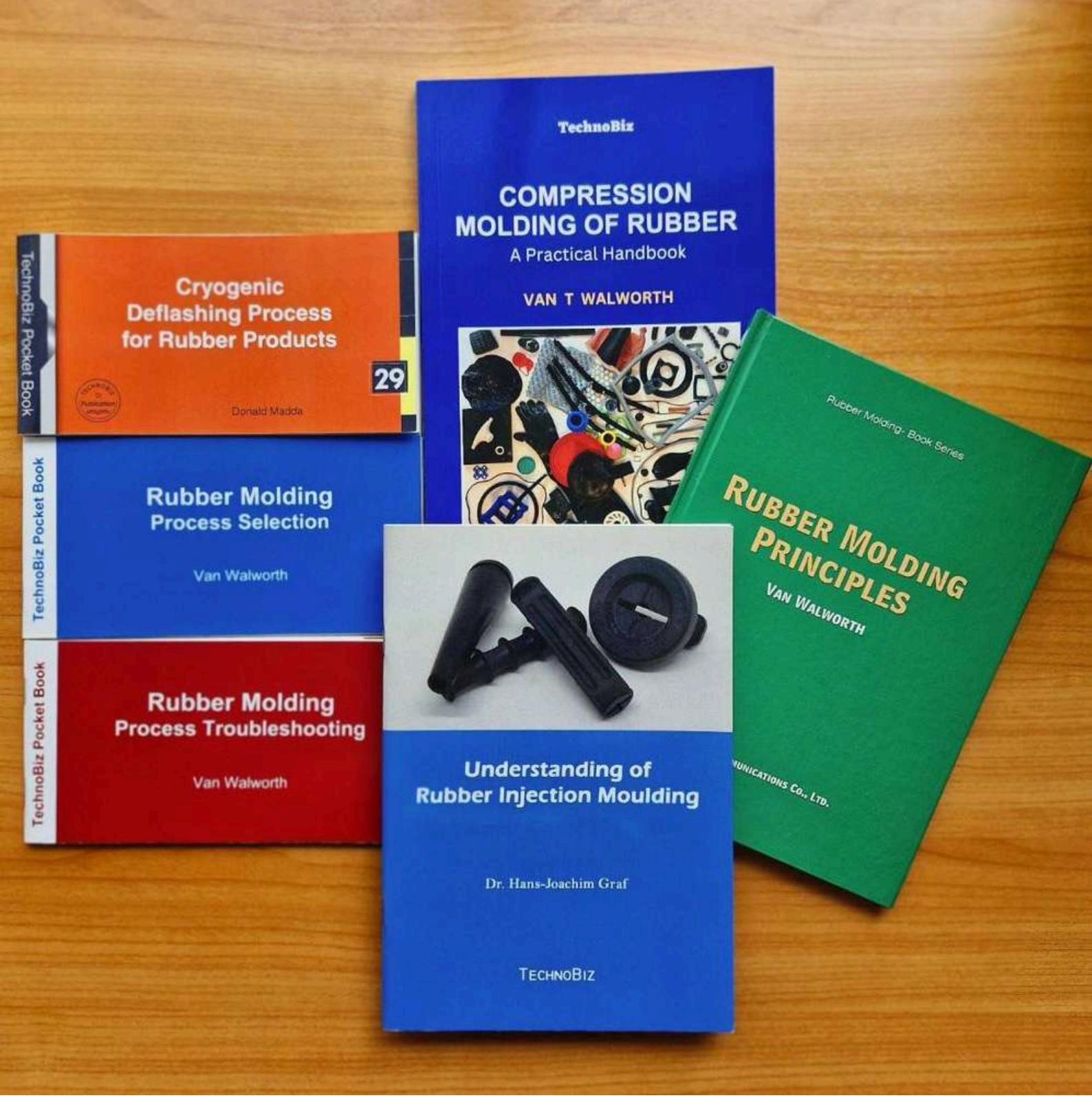

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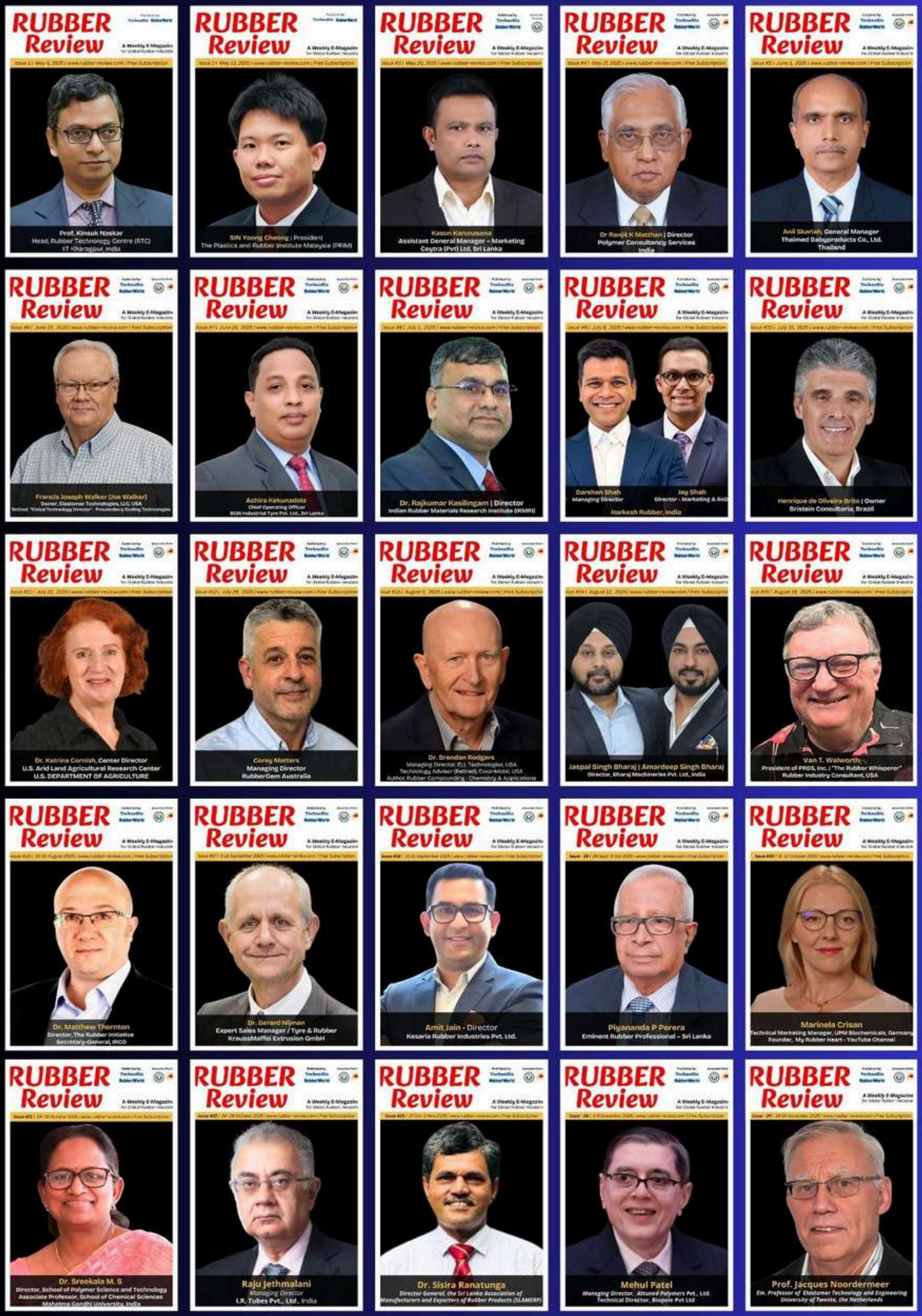

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