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Raju Jethmalani

Managing Director

I.R. Tubes Pvt., Ltd., India

IRC 2025
BANGKOK, THAILAND

1-3 DEC 2025
BITEC - BANGKOK

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International Rubber Conference Organisation

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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 EUDR-compliant production line has been successfully implemented. Since November 2024, we have begun exporting EUDR latex to global markets, with full reporting in accordance with the EUDR (EU Deforestation Regulation) guidelines. This marks a significant milestone in our ongoing commitment to sustainable and responsible sourcing practices.

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COVER STORY

Conversation with **Raju Jethmalani**

Managing Director, I.R. Tubes Pvt., Ltd.

Raju Jethmalani – Four Decades of Specialty Excellence at I.R. Tubes Pvt. Ltd.

In a world where industrial success often depends on speed and scale, I.R. Tubes Pvt. Ltd. stands out for something far more enduring - commitment to quality, integrity, and technical depth. Founded in 1981 near Pune, India as a manufacturer of rubber extruded and moulded products, the company evolved through vision and foresight under the leadership of Mr. Raju Jethmalani. When India liberalised its economy in the early 1990s, he boldly transitioned I.R. Tubes from manufacturing to trading, transforming it into one of India's most trusted distributors of specialty chemicals for the rubber, latex, PVC, adhesives, and coatings industries.

Today, I.R. Tubes is synonymous with high-performance, environment-friendly chemicals sourced from global leaders such as DOG (Deutsche Oelfabrik, Germany), Emery Oleochemicals (Malaysia), Robinson Brothers (UK), and Aquaspersions (UK). What began as a small local venture has become a vital link between world-class innovation and India's fast-evolving rubber sector.

Mr. Jethmalani's professional journey reflects a rare combination of technical insight, business prudence, and human values. His belief that "efficiency should never come at the cost of excellence" continues to guide I.R. Tubes' partnerships and innovations — from improving latex dispersions and rubber curing systems to advancing eco-safe accelerators and sustainable compounding technologies.

In this exclusive Rubber Review cover story, Mr. Raju Jethmalani shares his experiences, the evolution of I.R. Tubes, insights into the rubber and latex industries, and his advice for the next generation of entrepreneurs and engineers. His reflections capture more than a company's success story — they celebrate a lifelong dedication to building value, trust, and innovation in India's rubber landscape.

Professional Journey & Business Management

You've been leading I.R. Tubes since its inception in 1981. What inspired you to venture into the rubber industry, and what were the defining challenges in those early years?

My entry into the rubber industry was a mix of circumstance and opportunity. I began as a Sales Representative with Dunlop India, selling tyres, while my family had a small rubber unit making cycle tyres. When I joined the family business, I soon realized that manufacturing industrial rubber products was far more viable. We quickly pivoted in that direction. The biggest challenge then was navigating government regulations and policies. Adaptability was essential for survival.

"Integrity is non-negotiable. Once you make a commitment, honour it - no matter what."

Over 40 years in business is a remarkable milestone. How would you describe your leadership philosophy, and what principles have guided your journey?

Be honest with yourself and with the people around you. Once you make a commitment, honour it, no matter what. Integrity, to me, is non-negotiable.

I.R. Tubes has built a reputation for reliability and quality in the specialty chemicals sector. What, in your view, are the key ingredients for long-term credibility?

Keep communication channels always open with your customers. Keep them informed of every development, good or bad. Transparency builds trust, and trust sustains relationships.

"Leadership isn't about chasing trends; it's about consistent execution built on values."

After four decades of leadership, what key lessons have you learned about entrepreneurship, risk management, and staying innovative in traditional industries?

Stay true to your principles, stay practical, and never chase every trend. Sound judgement and consistent execution outlast quick wins.

Looking ahead, how do you see I.R. Tubes evolving in the next decade and what legacy would you like to leave behind for the next generation of leaders in your company and the wider rubber industry?

I envision I.R. Tubes expanding into adjacent fields beyond rubber and latex. My hope is for the next generation to carry forward a culture of continuous growth and to be more self-reliant and less dependent on external forces.

Evolution of I.R. Tubes Pvt. Ltd. – Four Decades of Growth and Innovation

I.R. Tubes began in 1981 as a rubber goods manufacturer near Pune. What led to your initial focus on rubber extrusion and moulding and what were those formative years like?

At that time, India was expanding its LPG network, and rubber tubing was in great demand for household connections. We identified the opportunity and began manufacturing LPG tubes. The early years were tough: raw materials were imported, finance was tight. But, perseverance got us through.

"Our global partnerships thrive on one simple rule — honesty and mutual respect."

The 1990s liberalisation transformed India's economy. What prompted your decision to shift from manufacturing to importing and distributing specialty chemicals?

Before liberalisation, nearly every import required a license. Once those restrictions eased, we realised our manufacturing experience gave us an edge. We knew what worked in a compound. India lacked many of the specialty chemicals used globally, so we decided to bridge that gap.

Even after diversification, I.R. Tubes remained rooted in rubber. How did that focus on core competency help?

By then, I had developed a deep understanding of rubber compounding. Having our own factory allowed us to test the performance of specialty chemicals firsthand. This was a major advantage in assessing quality and efficacy.

"Understanding rubber compounding from the ground up became our greatest advantage."

You've nurtured long-standing relationships with international suppliers such as DOG (Germany), Emery Oleochemicals (Malaysia), Robinson Brothers (UK), and Aquaspersions (UK). How did these partnerships begin and endure?

Most began through word of mouth and mutual trust. The relationships have lasted because both sides have always been straightforward and transparent. There has never been any pretence, just honesty and respect.

While rubber remains your foundation, I.R. Tubes has diversified into PVC, latex, adhesives, sealants, inks, and coatings. What drove this expansion and how did you manage the learning curve in new industries?

Diversification is insurance. You cannot rely on one sector alone. Each industry has its own learning curve, and we are still learning. That is what keeps it exciting.

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Looking ahead, where do you see I.R. Tubes a decade from now – in terms of innovation, product expansion, and contribution to India's polymer and speciality chemical ecosystem?

We are looking at high-value recycled and eco-friendly products, not reclaimed rubber, but advanced materials that meet sustainability goals. We hope to play a role in educating Indian manufacturers about their long-term value.

Rubber Products – Technology & Markets

How does I.R. Tubes position itself as a solutions partner for rubber product manufacturers, from tyres to automotive parts and industrial components?

Through active participation in trade fairs and conferences, and through our technical support. Our visibility and credibility reassure customers that we can, and will help them solve their compounding challenges.

"The world is moving away from hazardous materials — India must catch up."

What are some recent trends in vulcanising agents and accelerators?

Globally, there is a strong move away from hazardous materials. Unfortunately, India is lagging, largely due to the absence of legislation. Non-hazardous materials do not compromise product strength or durability, they just cost a little more. The shift will come when safety is valued as much as cost.

"Zinc-oxide replacements and sulphur-free cure systems could redefine the future of rubber processing."

How is I.R. Tubes promoting sustainability in rubber manufacturing for example, through eco-friendly chemicals, lower-energy processing, or improved recyclability?

By advocating the use of eco-friendly chemicals and processing aids that reduce energy consumption. Sustainability and efficiency can, and should, go hand in hand.

What innovations do you foresee shaping next-generation rubber products?

I see exciting work on zinc oxide replacements and sulphur-free cure systems. These could revolutionise how rubber is processed and make the industry much cleaner.

Latex Industry – Technology & Markets

How do you view the current status and growth trajectory of the global latex products industry, and where does India stand in comparison in terms of technology, product quality and export potentials?

The global glove market surged during COVID but has since stabilised. The condom market will grow steadily, with opportunities emerging in female hygiene products and even toys. India's quality and technology standards still need consistent upgrading.

What major technological advancements have transformed latex manufacturing in recent years?

Automation and improved formulation control have enhanced consistency and reduced error. But we still have a long way to go in adopting them widely in India.

"Outsourcing dispersions enhances uniformity and drastically cuts rejection rates - a simple step with huge impact."

How critical are speciality additives such as antioxidants, vulcanisation accelerators, stabilisers and surfactants in achieving superior performance, durability and safety of latex products?

Extremely important. The right antioxidants, stabilisers, and accelerators determine durability, elasticity, and shelf life. They make all the difference.

What are the most common processing challenges latex manufacturers face today and how can optimized systems or dispersions help overcome them?

Consistency in both raw materials and equipment is required. Outsourcing dispersions improves uniformity and drastically reduces rejections, which ultimately saves significant costs.

"Eco-friendly and bio-based latex products are the future - they reduce allergies and enhance biodegradability."

How has the latex market evolved since COVID-19?

The pandemic exposed supply-chain vulnerabilities. Demand for medical gloves and protective products spiked, then stabilised. Now, growth is returning in industrial, toy, and feminine care segments.

Do you see new opportunities in developing ecofriendly, bio-based or low-protein latex products?

Absolutely. These are the future. They reduce allergies, improve biodegradability, and open new market niches.

How do fluctuating raw-material and energy costs affect competitiveness for Indian latex manufacturers, and how can technology help mitigate these risks?

In India, import duties on natural rubber latex are high. That inflates domestic prices and makes our products uncompetitive against imports. Technology can help efficiency, but policy must support fair pricing. Take balloons or gloves as example. There is a huge import of these products. The Indian manufacturer cannot compete as the imports are cheaper than the cost of the raw material.

"High import duties on natural rubber latex make Indian products costlier than imports — efficiency alone can't fix that."

Looking ahead, what are your strategic priorities for supporting the latex industry going forward – in terms of new product development, sustainability initiatives and market expansion?

Quality always! If a manufacturer wants to make a quality product, we will be there to support him.

Supplier Partnerships & Innovation Leadership

IR Tubes represents several world class speciality chemical manufacturers. Could you share how these partnerships have evolved over the years and what value they bring to your customers in India?

Regular technical and commercial interactions ensure we bring global expertise to local needs. When our principals visit India and engage with our customers, everyone gains.

"The future belongs to safer, simpler, and more sustainable chemical systems."

Could you highlight recent innovations from your principals that are making an impact in latex, rubber or adhesive applications?

For the latex industry, they've developed accelerator-free curatives, active zinc oxide dispersions, and anti-tack agents. For rubber, a 100% plant-based processing additive, a real step forward for sustainability.

What areas of innovation will shape the next decade in additives and modifiers?

Eco-friendly accelerators, activator replacements, and dispersion technologies that simplify processing. The focus will be on safer, smarter systems.

Technical Insights & Applied R&D

In your recent blog, you explained how microwave curing, while efficient, often leads to porosity in rubber profiles – and how the traditional use of calcium oxide, though effective against porosity negatively affects compression set. Could you elaborate on how your team at I R Tubes identified this dilemma, and what key learnings came from addressing this balance between processing efficiency and material performance?

The problem surfaced in automotive window profiles cured by microwave. Calcium oxide was used to prevent porosity but compromised compression set. Our principal, D.O.G., developed Deostab, a stabiliser that solved both issues. Since the compression set was poor and there were leaks and passengers complained, Deostab was developed. It's a great example of experience-driven innovation. To just develop the products was not too difficult but our principals have a lot of experience in processing additives. Thus, a balance was achieved.

"Additive synergy is the future - the right stabiliser can transform how rubber is cured and performs."

You introduced Deostab as a breakthrough stabilizer that neutralises the negative impact of calcium oxide enabling fast curing without compromising compression set. How significant is this kind of additive synergy for the future of rubber manufacturing, and do you see similar innovation opportunities, in other compounding challenges such as aging resistance, dispersion quality, or ecofriendly formulations?

This is very significant for rubber manufacturers who cure their rubber extrusion in a microwave. They balance efficiency with performance. Similar innovations are emerging in areas like ageing resistance and eco-friendly formulations.

"Next-generation solutions will target ageing resistance, dispersion quality, and eco-friendly compounding."

In your footwear blog, you discuss how Dispergum 36, Robac AS 100, and Robac SC enhance shoe-sole performance. Could you elaborate on how these products improve processing control, durability and safety in footwear manufacturing – and how do they compare to conventional accelerator systems?

Dispergum 36 is a peptizer and reduces viscosity of the natural rubber, improving processability. Robac AS 100 and Robac SC are safer accelerators — they form no harmful nitrosamines. The result is cleaner processing, better curing, and improved durability.

The footwear industry is under increasing pressure to reduce environmental and worker safety risks, especially from nitrosamine-forming accelerators. How is I R Tubes, through products like Robac AS 100 and Robac SC helping manufacturers transition toward safer, sustainable compounding systems without compromising on mechanical performance or design freedom?

By making these safer products available and guiding manufacturers on how to use them without compromising mechanical strength or product design. It's about enabling a smooth, safe transition.

"Nitrosamine-free accelerators are not just safer - they are the future standard."

In another article, you explained how the apparent cost advantage of producing latex dispersions in house often disappears once hidden costs such as maintenance, labour and waste management are factored in. Could you elaborate on how outsourcing latex dispersions delivers both economic and quality advantages and why this shift represents a smarter long-term strategy for manufacturers?

The in-house cost seems lower but, in reality, maintenance, labour, and waste management quickly erode savings. Outsourced dispersions improve consistency, cut hidden costs, and reduce capital expenditure. As you know almost 97% of a latex product is the latex. That leaves 3% available for inhouse dispersion or an outsourced one. If you do a cost analysis you will see that the cost of the outsourced dispersion is higher. If you break it down to the weight of the product (glove/condom) you will find that there has been only a nominal increase in the cost of the product. This is easily offset by the cost of maintenance, labour and waste management. Shifting to this will also bring down Capex costs.

"Outsourced dispersions bring consistency, reduce hidden costs, and cut capital investment."

You emphasize that outsourcing allows manufacturers to focus on core production while ensuring consistent quality and global compliance. How does I R Tubes support latex producers in maintaining regulatory standards (like REACH and RoHS) and in building more agile, scalable and future ready operations through specialised dispersion partnerships?

All our chemicals are REACH and RoHS certified, with full documentation. We make compliance simple and transparent for our customers.

Advice, Insights & Future Perspectives

From your experience, what common mistakes do manufacturers make in selecting or formulating, whilst using specialty chemicals – and how to avoid them?

Many add products without understanding how or when to use them, like asking an Uber driver to race an F1 car. Specialty chemicals must be chosen carefully, in consultation with suppliers, with full disclosure of the process, who will then give guidance on the dosage and the sequence of addition. It saves time, cost, and avoids a lot of problems.

"Consult your suppliers; the right dosage and sequence can save time, cost, and headaches."

Many buyers still make purchasing decisions driven primarily on price. What would you advise manufacturers who want to maintain competitiveness without compromising on product performance and quality?

Look for indirect savings. Through better productivity, reduced energy consumption, and fewer rejections. Specialty chemicals often pay for themselves in efficiency.

35. How crucial is collaboration among compounders, suppliers, and equipment manufacturers in achieving innovation and consistency in rubber and latex products?

Absolutely crucial. They must see each other as partners, not competitors. Collaboration builds consistency; isolation breeds inefficiency.

"Don't chase the lowest price - chase the highest efficiency."

You've often emphasised that efficiency should never come at the cost of excellence. What should manufacturers focus on to build stronger process understanding and minimise trial and error in compounding?

It means process understanding must come before speed. Shortcuts often cost more in the long run. True efficiency is doing things right, every time.

What must India's rubber and latex industries prioritise to reach global standards – technology adoption, R&D or skilled manpower – to elevate their position in global markets?

R&D, upskilling manpower, and developing our own technology. Only then can we compete globally on quality and not just cost.

Finally, what advice would you offer younger professionals entering this industry?

Patience. This is a marathon, not a sprint. Learn deeply, stay curious, and build relationships that last.

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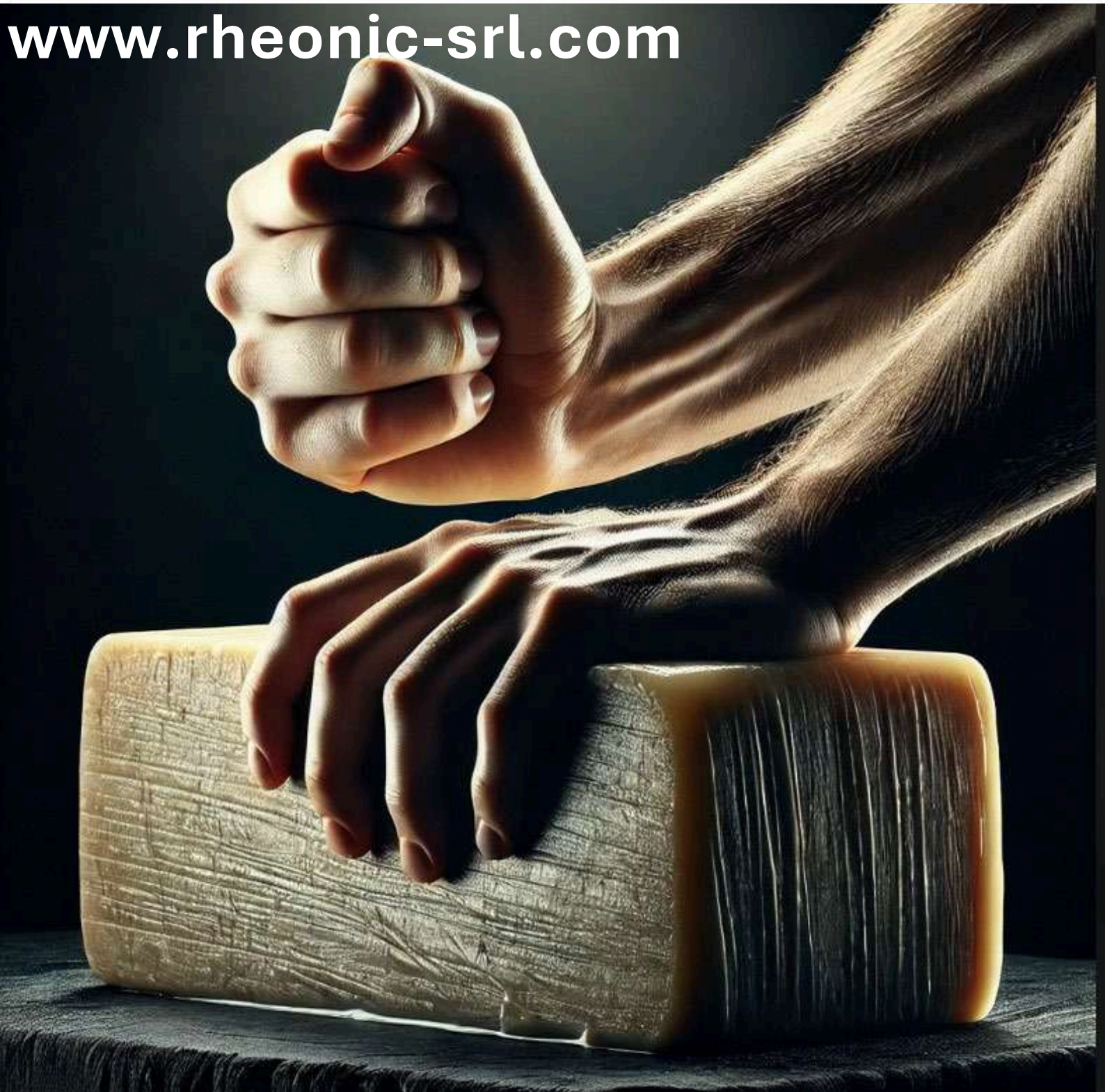

RUBBER Review

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IRMRI Spotlight

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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.

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First Aid Training Successfully Conducted at IRMRI

The Indian Rubber Materials Research Institute (IRMRI) recently conducted a comprehensive First Aid Training program in collaboration with Apollo Hospitals, Navi Mumbai. The initiative aimed to strengthen employee preparedness in handling medical emergencies and to foster a culture of safety and awareness within the workplace. The interactive session covered essential life-saving techniques, emergency response protocols, and practical demonstrations. The enthusiastic participation of IRMRI employees reflected their strong commitment to maintaining a safe and responsible work environment. IRMRI continues to prioritize the health, safety, and well-being of its workforce through regular training and awareness programs, reinforcing its dedication to creating a safe, informed, and proactive workplace culture.

Successful Completion of Two-Day Training Program at IRMRI, Delhi Office

The Indian Rubber Materials Research Institute (IRMRI) proudly announces the successful completion of a two-day training program on "Compounding and Testing of Rubber Products", held on 16–17 October 2025 at its Delhi Office. The program brought together participants from across India and featured expert-led sessions focusing on key aspects of rubber formulation, process optimization, and product testing. The interactive discussions provided valuable insights into the latest trends and practical approaches for ensuring quality and performance in rubber products. The active participation of delegates reflected their strong enthusiasm for continuous learning and professional advancement. IRMRI reiterates its commitment to promoting skill development, research excellence, and innovation to support the sustainable growth of the Indian rubber industry.


THE K. M. PHILIP GOLD MEDAL


IRMRI

ARISE - ASSOCIATION FOR RUBBER INNOVATION AND START-UP ENTREPRENEURSHIP

Promoted by INDIAN RUBBER MATERIALS RESEARCH INSTITUTE
Formerly known as Indian Rubber Manufactures Research Association
An Autonomous Institute, Under DPIIT, Ministry of Commerce & Industry, Govt. of India
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.

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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.

Contact us: Email: veerappan.karthikeyan@irmra.org / ab@irmra.org
Contact no: 9361324212 / 90220547
Location: 254/1B Road no 16 V, Wagle Industrial Estate, Thane, Maharashtra 400604 India

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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.

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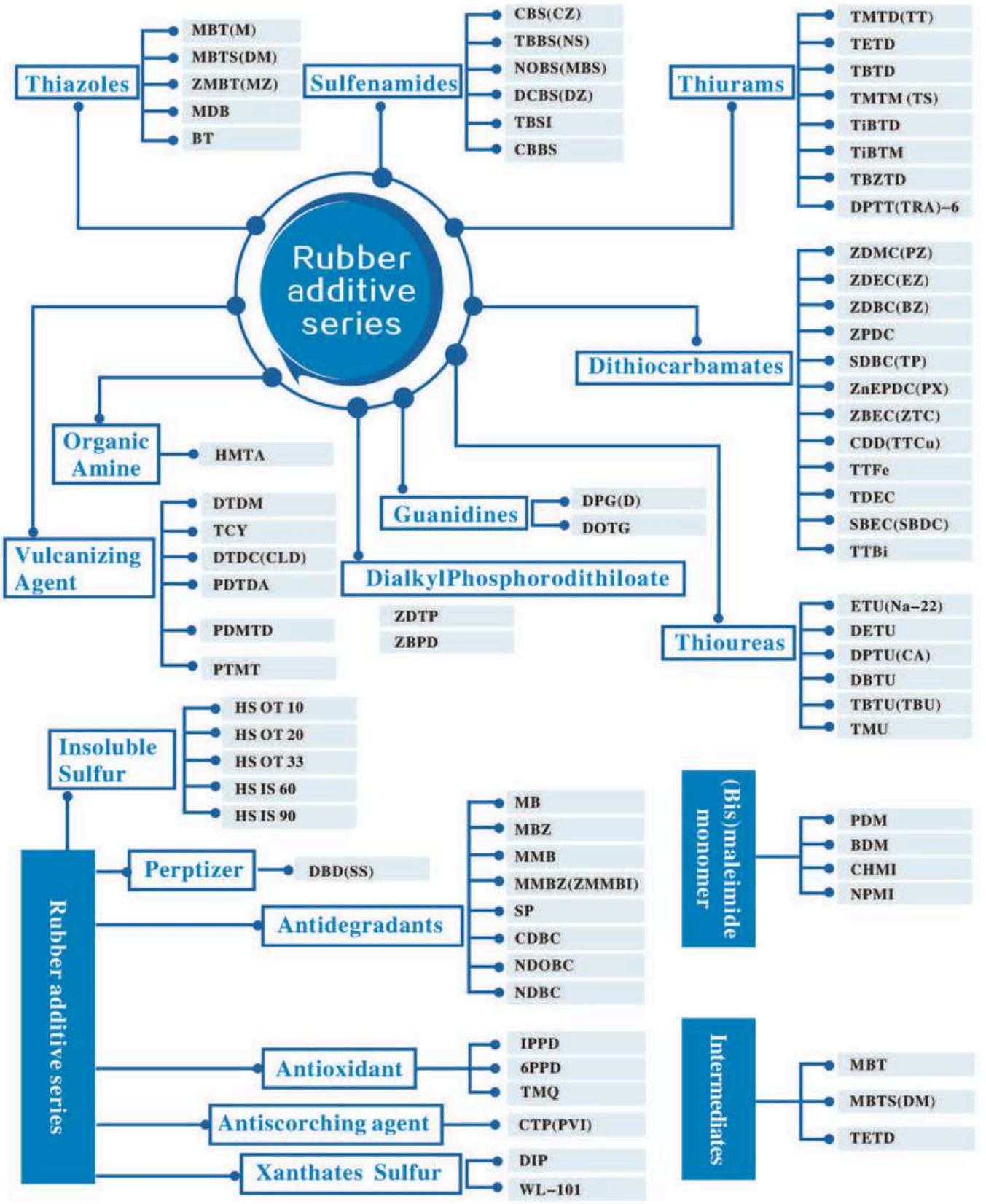

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XIANG RUN HAO

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.

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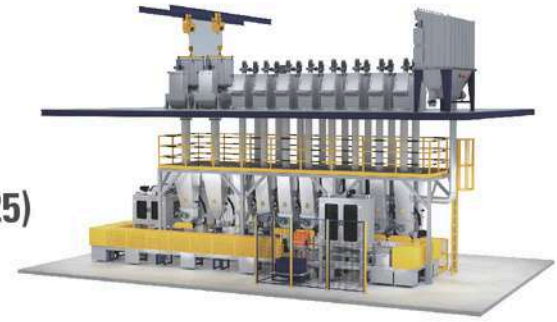

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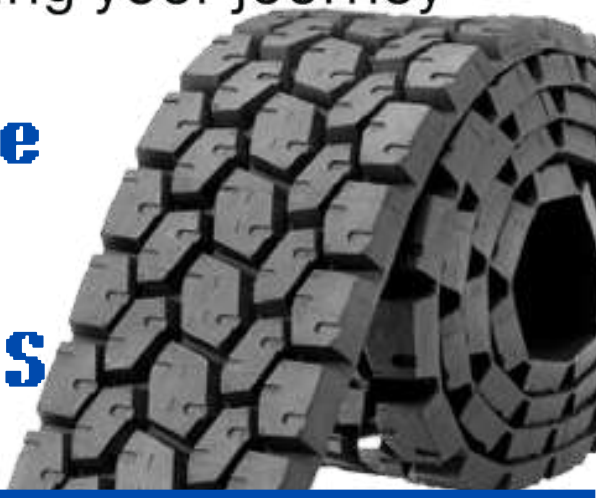

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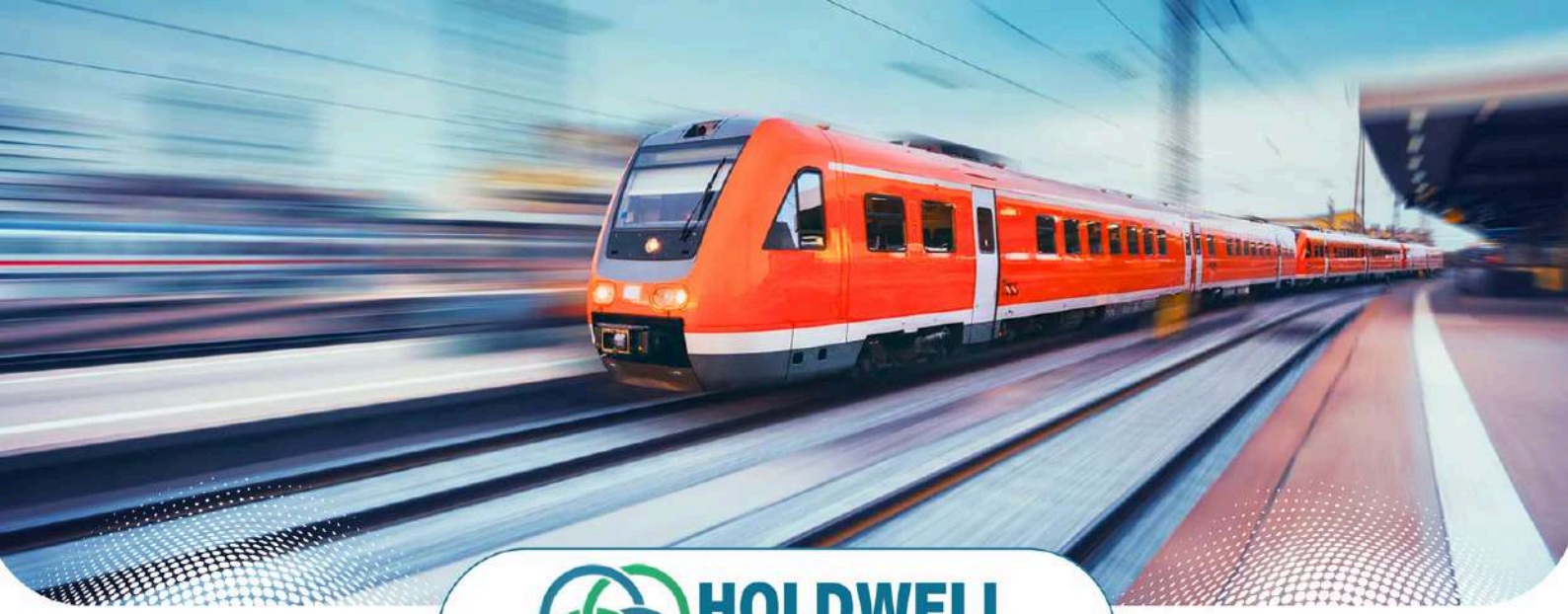

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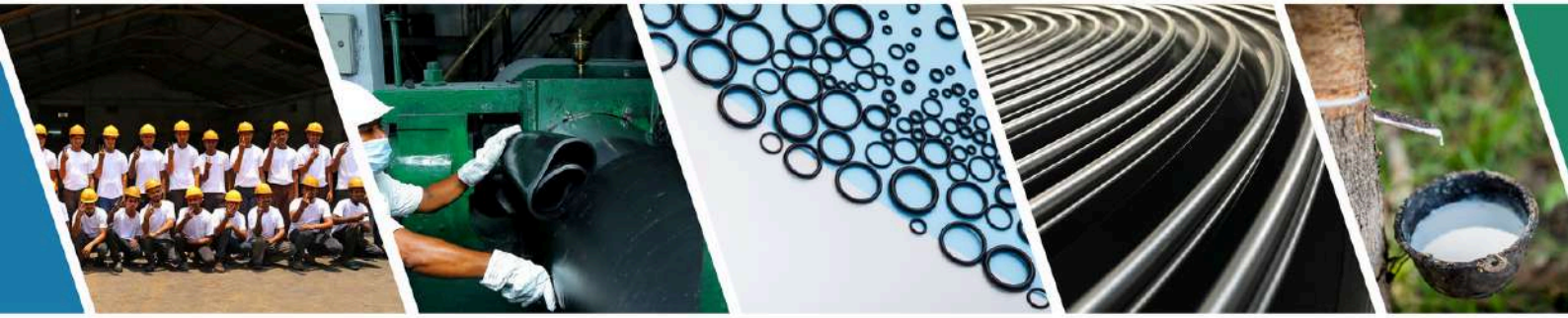

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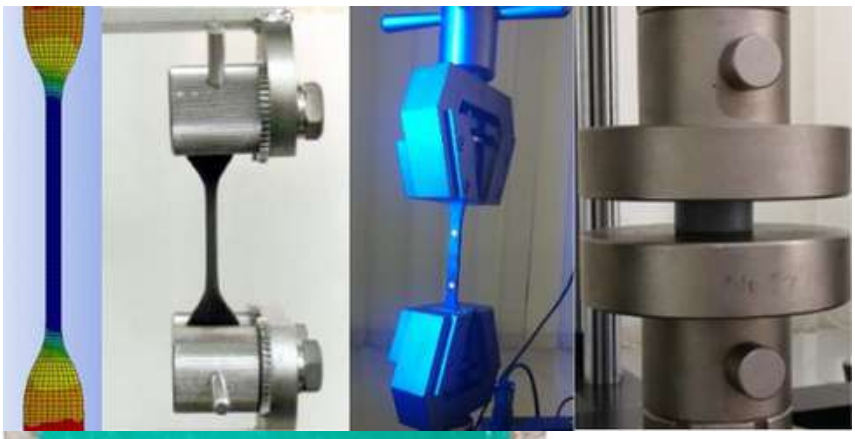

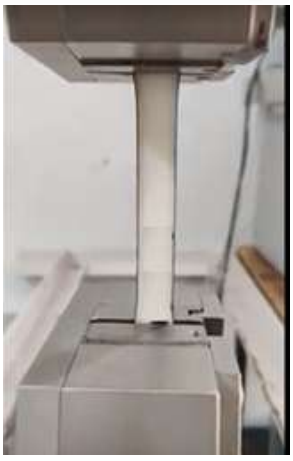

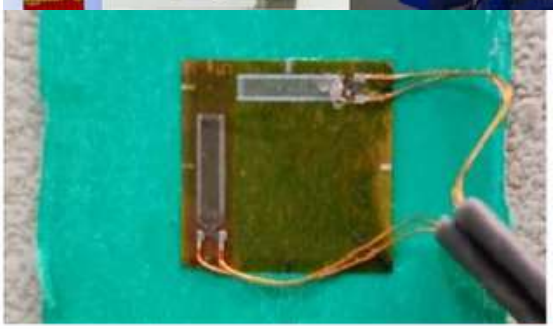

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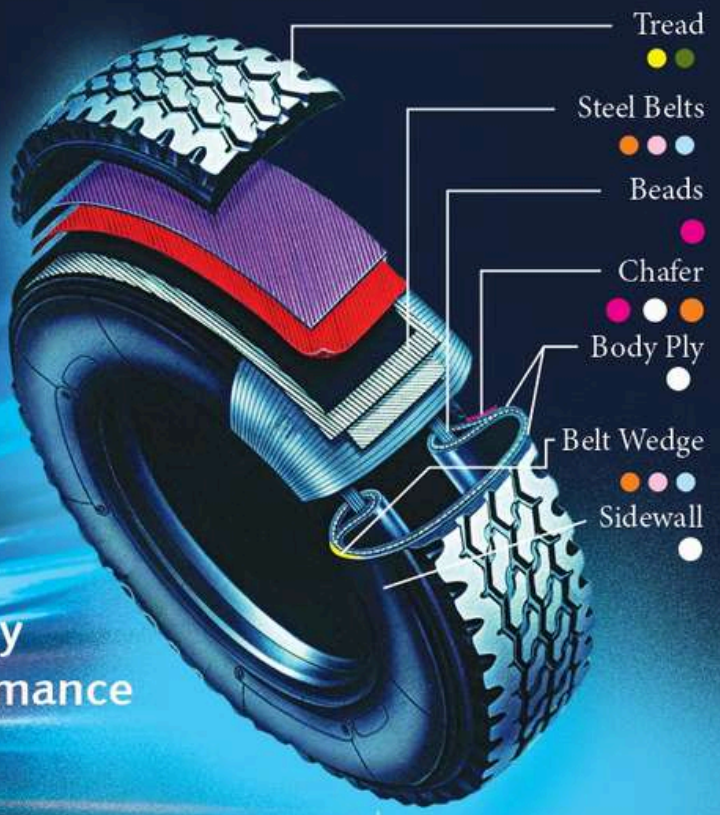

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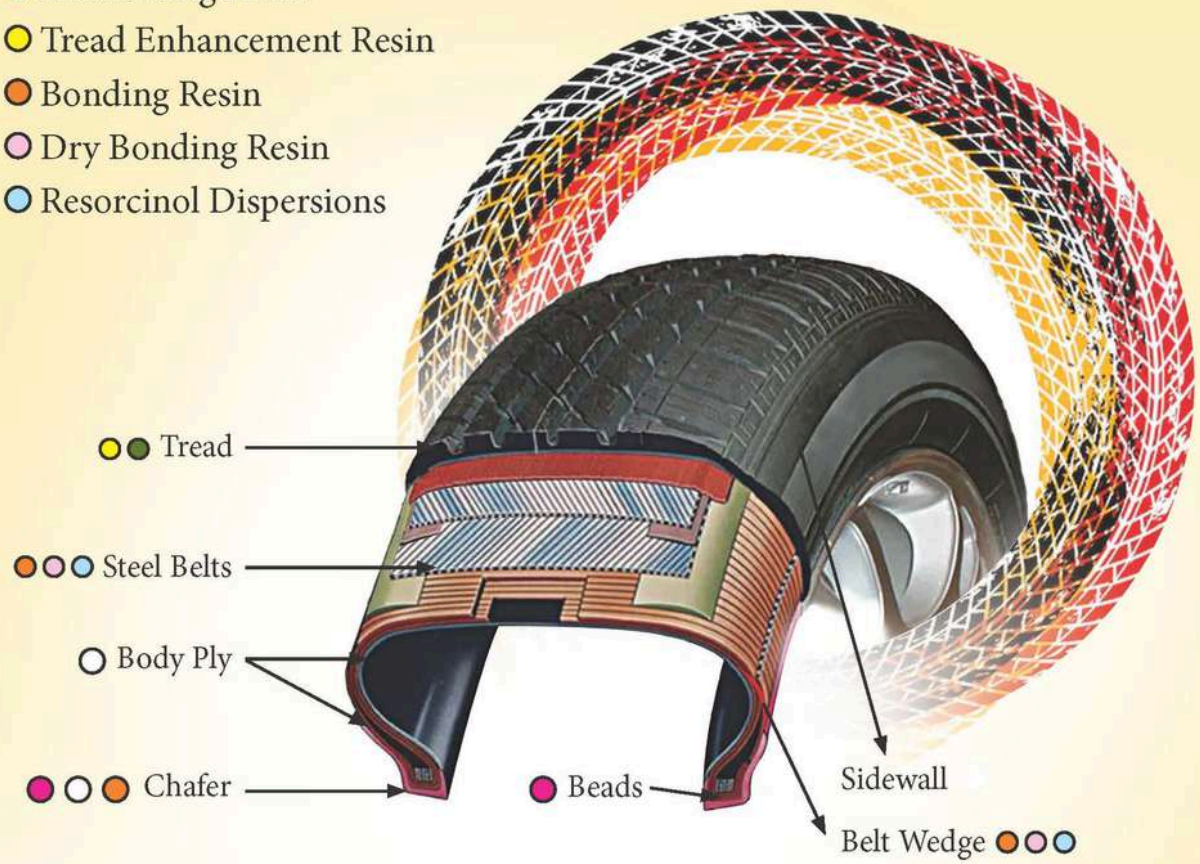

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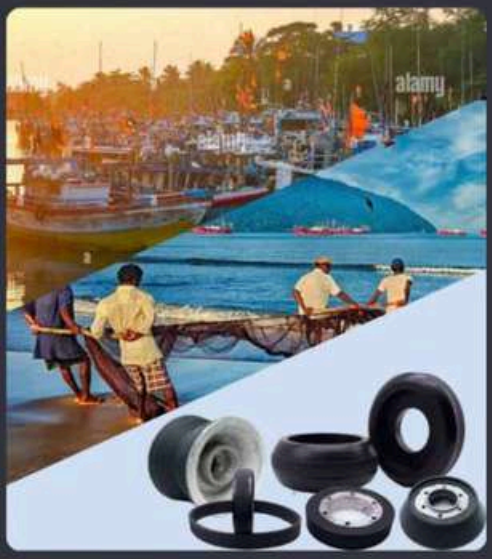

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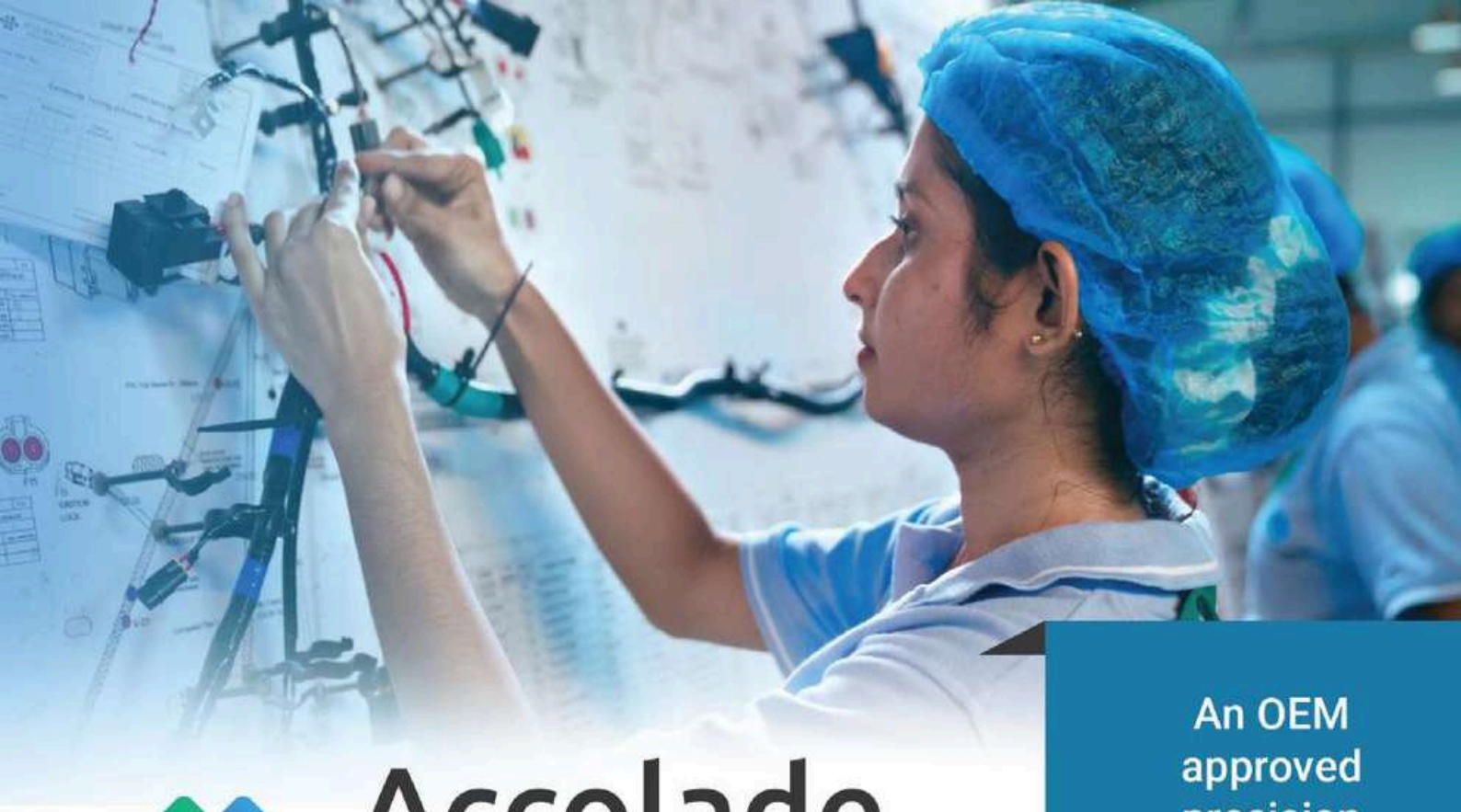

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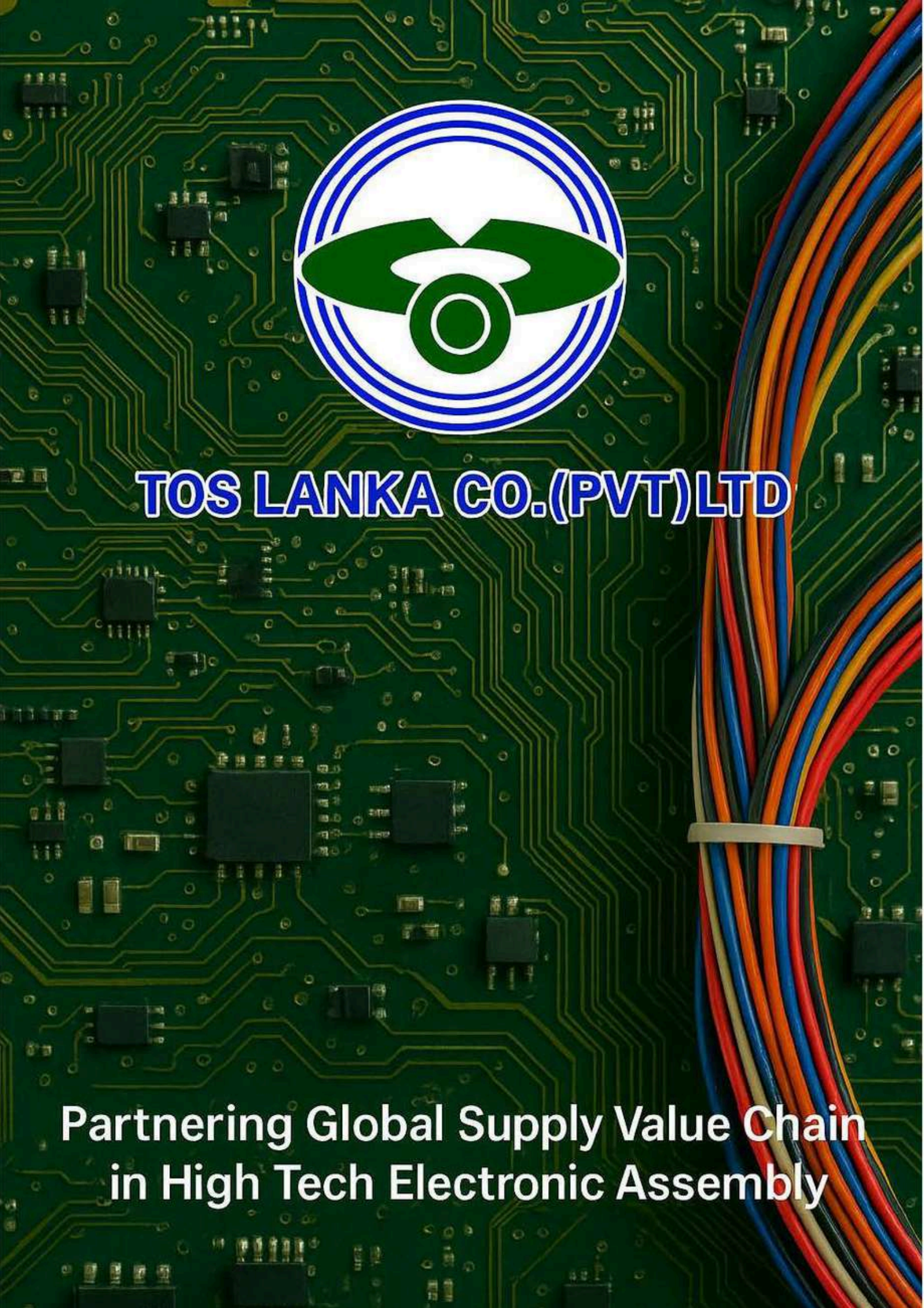
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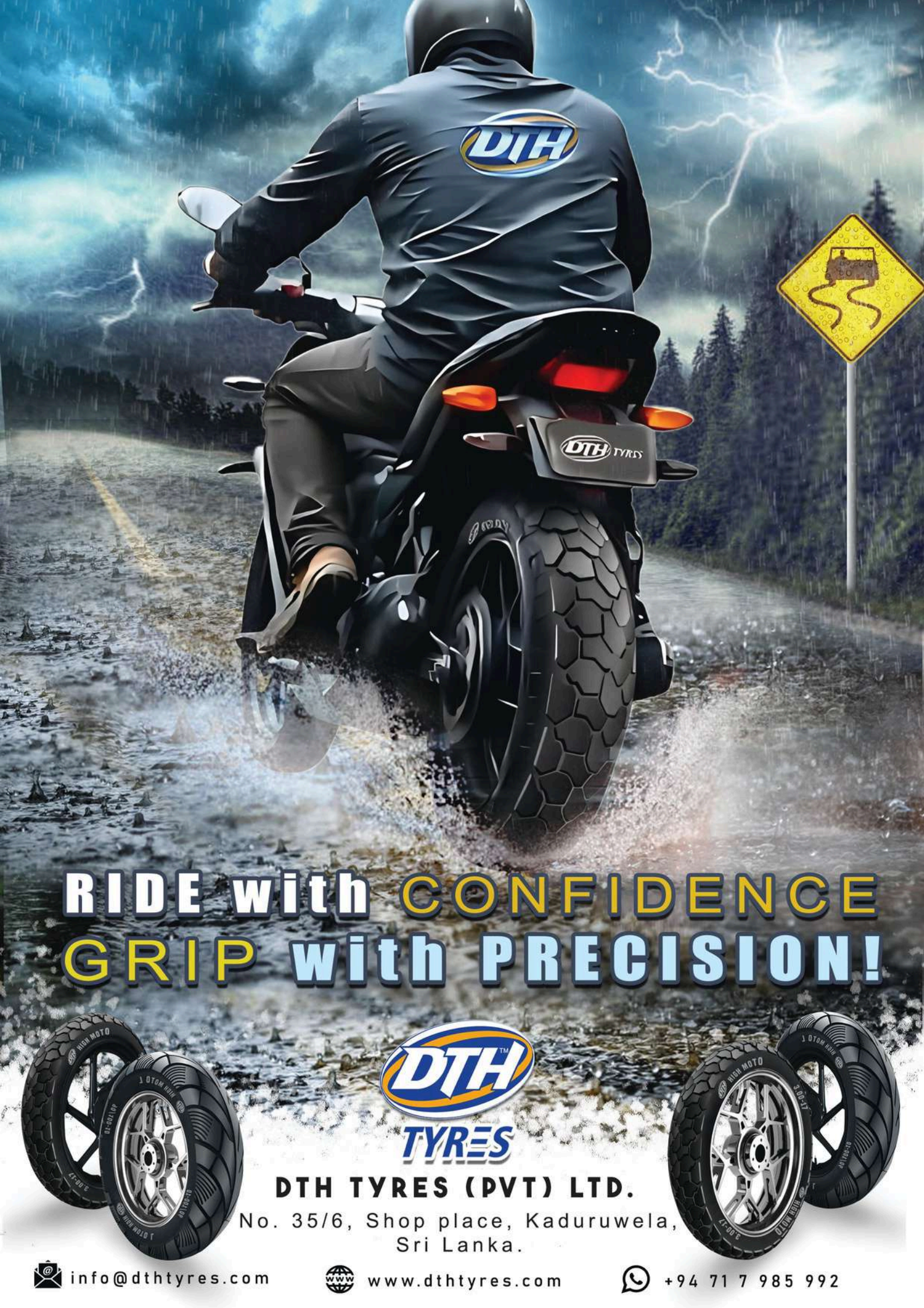
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RUBBER BUSINESS NEWS

RUBBER Review

Yokohama Rubber expands Versatran lineup

Hiratsuka, Japan—The Yokohama Rubber Co., Ltd., announces that it has added a hose with a 3/8- inch (9mm) inner diameter and a 4-spiral structure to its ISO Series of Versatran premium hydraulic high-pressure hoses for overseas markets. Sales of the new hose were launched in September 2025.

In recent years, demand for hydraulic hoses with small diameters and high durability has increased from underground mining sites, which are the main market for Yokohama Rubber's Versatran hoses, owing to constraints imposed by narrow underground spaces and the need for greater operational efficiency and safety. The new 3/8-inch hose is part of the Versatran ISO Series that conforms to the highest durability standard, DC Type*2 of the ISO18752 international standard developed by the International Organization for Standardization (ISO). The new hose also meets the flame-retardant standards of the U.S. Mine Safety and Health Administration (MSHA) and provides excellent durability and safety under the harshest operating conditions. The new hose is also extremely flexible and easy to maneuver, enabling greater freedom in machine design and contributing to more efficient maintenance.

The addition of the new 3/8-inch hose expands Versatran's broad lineup in the 42MPa spec to hoses with inner diameters ranging from 3/8 of an inch (9mm) to 2 inches (50mm), which will expand the lineup's appeal to a wide range of markets and applications in addition to mining machinery.

In addition to its ISO Series, Yokohama Rubber's Versatran brand includes the 4SH/4SP Series that meets the EN856 European Standard and the R1/R2 Series that complies with the EN853 and the US Society of Automotive Engineers (SAE) J517 standard.

Yokohama Rubber is currently implementing Yokohama Transformation 2026 (YX2026), its medium-term management plan for fiscal years 2024–2026. The plan includes a strategy for MB Segment growth driven by concentrating the segment's resources in its two strongest business domains—hose & couplings and industrial products. With the hose & couplings business positioned as a key growth driver in the MB Segment, Yokohama Rubber is increasing its presence in the global hydraulic hose market by developing high-performance products that meet diverse market needs.

Light Effect TPE Fuels Design Innovation in Smart Electronics

Electronic brands share a common vision: to advance innovation in line with consumers' changing lifestyles and functional needs, such as quick response, device integration, connectivity, aesthetics, and personal identity. As electronics evolve toward more seamless and intuitive use, many now feature touch-sensitive or gesture-responsive interfaces, often enhanced with soft-glow elements for low-light visibility and pivoting away from conventional buttons or controls. KRAIBURG TPE, a global manufacturer of thermoplastic elastomers (TPEs) and customized material solutions for various industries, offers TPEs that meet the flexibility, durability, and design needs of next-generation electronics. Taking style possibilities a step further, its Light Effect TPE series aims to provide light-transmissive functionality for a range of electronic components.

Smart Electronics Design Materials for Light Transmission and Enhanced User Experience: The Light Effect TPE series has versatile applications in smart electronics, serving both visibility and aesthetic purposes to enhance user experience. It enables light signals to pass through housings or straps, helping maintain a clean, integrated design. In consumer electronics such as remote controls, smart speakers, VR devices, and gaming consoles, Light Effect TPEs create diffused light paths for touch interfaces, soft buttons, or edge lighting, enhancing interactivity and tactile comfort. Smart home devices benefit from glowing borders or backlit icons that indicate status or user input, while mobile accessories such as chargers, earbud cases, and protective gear can feature illuminated logos, indicators, or customizable RGB effects.

The Light Effect TPE series, with exceptional light transmissibility, renders lighting enhancement in electronic components and smart devices such as smartwatches, smartphones, and home assistants, creating a harmonious blend of functionality and design. The specialized compounds also exhibit superior physical and mechanical properties, including a density of 0.89 ± 0.03 g/cm³, hardness of 60 ± 5 ShA, tensile strength of 10 MPa, and elongation at break of 700%. Featuring excellent adhesion to polypropylene (PP) and a UV and weathering resistance rating of DE 1.20 (350h), the material ensures longevity and maintains performance over time, offering both flexibility and durability.

Soft-touch ergonomics and design flexibility: The Light Effect TPE series combines soft-touch ergonomics with design flexibility, making it ideal for wearable technologies such as smartwatches, fitness bands, and health trackers, as well as handheld devices. It offers a smooth, comfortable surface even during prolonged skin contact, while its high moldability allows for detailed designs, giving manufacturers greater freedom to innovate.

Compliance to safety : The Light Effect TPE series adds safeguarding features to products through its flame-retardant properties, resistance to high temperatures up to 85 °C, and compliance with IEC 61249-2-21 standards—making it halogen-free, which is a plus for environmental safety.

Trusted and Food-Safe TPE Solutions for Coffee Makers

The rich aroma of freshly brewed coffee is often the first thing that awakens the sense and sets the tone for a productive day. For many, that invigorating moment wouldn't be possible without a reliable coffee machine. Behind every satisfying brew is a precise blend of design, durability, and material innovation. KRAIBURG TPE, a global manufacturer of thermoplastic elastomers, provides high-quality, custom-engineered solutions for various market applications, offers a high-performance TPE material for coffee makers, specifically engineered for appliance seals and soft-touch buttons. This food-safe thermoplastic elastomer combines heat resistance, mechanical strength, and processing versatility, making it the ideal solution for modern kitchen appliances.

Engineered for Heat-Resistance and Daily Use : KRAIBURG TPE's specifically developed compound delivers an optimized compression set at high temperatures, ensuring excellent sealing performance even after countless brewing cycles, its robust mechanical properties provide long-term durability, allowing it to withstand the wear and tear of frequent use. Whether used for TPE for appliances seals or soft-touch TPE for appliance buttons, the material ensures both tactile quality and functional reliability.

Smart Processing and Seamless Integration : The thermoplastic elastomer for kitchen appliances also demonstrates excellent adhesion to polypropylene (PP), enabling efficient multi-component injection molding processes. Manufacturers benefit from reduced reliance on adhesives and secondary processing steps, while achieving precise, clean integration of seals and buttons. The material is also colorable, supporting customized aesthetics to meet brand or market demands.

Food-Safe, Clean, and Compatible : Formulated as a food-safe thermoplastic elastomer, the TPE is free from animal-derived ingredients and supports compliance with food-contact safety standards. It is compatible with standard manufacturing techniques, ensuring smooth processing and consistent quality, key for producers of premium kitchen appliances such as coffee makers.

Versatility Across Consumer and Industrial Applications : Beyond coffee makers, this TPE material for appliance seals is highly versatile. It is also ideal for seals in housings, flexible connectors, membranes, valves, household articles, and closures. Additionally, the material performs well in food and care product packaging applications. With its balance of thermal stability, mechanical durability, and aesthetic flexibility, KRAIBURG TPE empowers manufacturers to create high-quality, user-friendly products that meet both performance expectations and modern design trends.

Jesse Corn joins Omya Performance Polymer Distribution as president, global standard polymers

Based in Switzerland and reporting to CEO Carsten Harms, Jesse brings extensive international experience in the sales and marketing of Standard Polymers and related core segments, having led teams across EMEA, the USA and Saudi Arabia. Most recently, he served as EMEA Consumer and Packaging Director at Barcelona-based Nexeo Plastics, where he led a Pan-European strategic development team for sustainable growth and customer engagement across the EMEA core markets and segments, including packaging.

CEO Carsten Harms commented, "*We are delighted to add Jesse to our newly established leadership team of highly experienced industry professionals. The business is well positioned to capture organic growth opportunities through mandate extensions with its global and regional teams now almost complete*."

ContiTech plans to expand Manufacturing Operations in Mount Pleasant, Iowa Facility

Continental's group sector ContiTech announced that it plans to invest more than $85 million USD to expand its manufacturing operations in Mount Pleasant, Iowa.

The plant expansion includes construction of a state-of-the-art compounding center that will integrate production, warehouse and office operations. It underscores ContiTech's commitment to delivering high-performance, material-based technologies, with a focus on hoses and belts. This advanced facility will further strengthen ContiTech's competitiveness and reinforce its position as customer's first choice for material-driven solutions.

The expansion is expected to create approximately 50 new, high-quality jobs. The Iowa Economic Development Authority (IEDA) Board has approved a package of loan and tax incentives through the IEDA's High-Quality Jobs program to support the initiative.

"In today's dynamic economic environment, we are investing in advanced capabilities not only to drive innovation and competitiveness across our industrial product lines, but also to meet the evolving needs of our customers," said Philip Nelles, Member of the Continental Executive Board and CEO of ContiTech. "This expansion reflects our long-term commitment to the U.S. and the North American markets in general and our confidence in the strength of our team in Iowa. This project also contributes to local economic development, reinforcing our role as a reliable partner to the community we work and live in."

The new facility will significantly enhance ContiTech's ability to manufacture essential components, particularly hoses and belts, which play a critical role in supporting reliable flow and total conveyance across a wide range of industrial applications.

“At ContiTech, our commitment to customer centricity is foundational, and this expansion enables us to respond more quickly and effectively to our customers’ needs,” said Andreas Gerstenberger, CEO of ContiTech USA and Head of Business Area Industrial Solutions Americas. “By investing in this facility, we’re not only enhancing our operational capabilities, competitiveness, and supply chain resilience, we are also reinforcing our ability to deliver material-driven solutions. This expansion is a critical part of that process and a key enabler in our vision to become the first choice for our customers.”

ContiTech’s investment in a new compounding center in Mount Pleasant will strengthen its internal compounding capabilities, optimize its North American mixing footprint and support future growth. The facility will feature two state-of-the-art mixing lines integrated with an automated warehouse. The new compounding center will play a central role in ensuring consistent quality and efficiency in the production of rubber-based products. Engineered to withstand high shear forces and temperatures, the mixers enable thorough integration of ingredients. The result is a compound with uniform physical and chemical properties, ready for downstream processes such as extrusion, molding or calendaring.

Construction is anticipated to begin Q2 2026. The Mount Pleasant site plays a key role in ContiTech’s global supply chain, serving a wide range of industrial customers.

Arkema unveils groundbreaking solution to redefine polymer curing

During the K Show, Arkema introduced Luperox® NeatCure®: a new generation of formulated organic peroxide granules developed to enable faster and safer curing of elastomers and polymers. The development of Luperox® NeatCure® was driven by increasingly demanding regulatory constraints. Leveraging its deep formulation know-how, Arkema has created a solution that ensures fast curing without compromising on performance.

"*The launch of Luperox® NeatCure® illustrates our ability to bring responsible innovation to the market, combining safer handling with superior efficiency. We are proud to support our customers with solutions that help them meet both their productivity goals and sustainability commitments*." | **Tilo QUINK, Senior Vice President Performance Additives**

Luperox® NeatCure® is more than a new product; it's the breakthrough that will set a new standard in the Cross-linking Organic Peroxides market. Thanks to our advanced formulation expertise, we can deliver a solution that not only optimizes curing performance but also ensures the highest level of safety and compliance. This is a decisive step forward to our customers in elastomers and polymers processing." | ***Romuald DE HAUT DE SIGY, Global Group President Functional Additives***

Key benefits of Luperox® Neatcure®, formulated granules

- Faster Curing: Designed for both continuous curing processes (extrusion and salt bath or continuous vulcanization lines) and shorter molding times in press or injection molding.
- Enhanced Safety & Efficiency: The dust-free granular formulation reduces handling risks and improves workplace safety.
- Versatile Application: Specifically developed for the crosslinking of elastomers and polymers.

Tilo QUINK

Romuald DE HAUT DE SIGY

Arkema unveils groundbreaking solution to redefine polymer curing

Brenntag, the global leader in chemicals and ingredients distribution, has signed a new distribution agreement with Momentive Performance Materials Inc. The company's extensive product portfolio features advanced silicone and specialty solutions that enhance performance across a wide range of industries, including building and construction, and niche sectors like specialty fluids, silanes, and additives.

The new agreement covers the Philippines market and follows existing distribution partnerships in Indonesia and Vietnam. With this extension, Brenntag's Material Science CASE division will provide customers in the Philippines with access to Momentive's portfolio of advanced silicone and specialty solutions, including its CoatOSil™ additives for coatings and Silquest™ silanes, supported by Brenntag's strong market presence and formulation expertise.

Santosh Satam, Director, Material Science, CASE Asia Pacific, Brenntag Specialties said,"This expanded partnership reflects Brenntag's commitment to delivering innovation and performance to the CASE industry. By combining Momentive's cutting-edge silicone and specialty technologies with our regional network and application know-how, we are well positioned to help customers in the Philippines enhance their products and accelerate growth."

RMS Sandhu, Regional Segment Leader, CAS & PE, Momentive Performance Materials (Thailand) Ltd., said, "We are pleased to broaden our collaboration with Brenntag into the Philippines. Brenntag's market knowledge, customer reach, and ability to translate technology into practical applications make them a trusted partner. Through this partnership, more customers will now benefit from Momentive's CoatOSil™ and Silquest™product families, which are designed to help coatings, adhesives and sealants applications achieve higher performance and durability."

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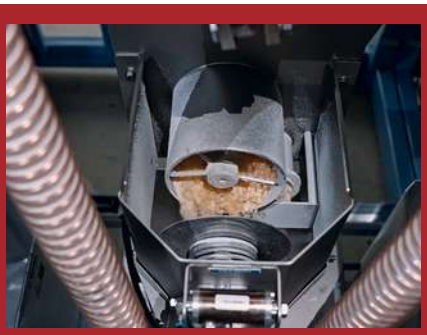

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Rubber Revolution : Balancing Nature and Innovation for a Sustainable Future

IRC2025 Secretariat : Polymer Society of Thailand
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Contact Person: Dr. Taweechai Amornsakchai

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Rubber Revolution : Balancing Nature and Innovation for a Sustainable Future

CONFERENCE FOCUS

- Green Rubber Compounding and Processing
- Enhancing Durability and Performance of Rubber Products
- Rubbers and Rubber Composites Innovations for Unexplored and Sustainable Applications
- Advanced Rubber Solutions for Global Warming Challenges
- Smart, Intelligent and Functional Rubber Materials
- Natural Rubber, Bio-based Rubbers and Rubber Chemicals
- Progress in Rubber Analysis, Testing and Standards
- Safety and Environmental Impact of Rubber Products
- Recycling and Circular Economy in the Rubber Industry

KEY ACTIVITIES

- Technical Conference Program
- Natural Rubber Symposium
- Technology Exhibition
- IRCO Student Award
- Networking Gala Dinner
- NR Factory Visit

VENUE

Bangkok International Trade &Exhibition Center (BITEC)
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CHAIRMAN

Dr. Krisda Suchiva

PROGRAM SCHEDULE

Detailed technical program of IRC 2025 will be updated soon. The time schedule for each day for technical presentations is 9am to 5pm.

Please check website www.irc2025.com for upto date information.

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Plenary Presentations

- **AI-driven Research and Multi-scale Simulation of Elastomer Materials** | *Prof. Liqun Zhang, Xi'an Jiaotong University, China*
- **Sustainable Materials for Tyre Engineering** | *Prof. Sabu Thomas, Mahatma Gandhi University, India*
- **Sustainable Mobility 2030 and beyond – Role of Tyre and Rubber Industry** | *Dr. R Mukhopadhyay, JK Tyre & Industries Ltd., India*
- **Circular Economy - Limits and Chances in Rubber Recycling** | *Prof. Ulrich Giese, German Institute for Rubber Technology, Germany*
- **Crack Resistance and Beyond: Fracture Mechanics in Strain Crystallizing and Liquid Crystal Elastomers** | *Prof. Kenji Urayama, Kyoto University, Japan*

Keynote Presentations

- **The Crosslinking Dilemma in ENR: Evaluating Sulphur and Di-acid Networks for Future-Ready Rubber Products** | *Dr. Amit Das, Leibniz Institute of Polymer Research Dresden, Germany*
- **On the path to make a black magic green – how to minimize the the CO2 footprint of rubber products** | *Prof. Andreas Limper, Institut für Kunststoffverarbeitung RWTH Aachen, Germany*
- **Recent Advances in Reducing Hysteresis of Rubber Composites** | *Prof. Baochun Guo, South China University of Technology, China*
- **Some Considerable Factors in Laboratory Frictional Testing Rubbers** | *Prof. Changwoon Nah, Jeonbuk National University, South Korea*
- **Enhancing Coagulation Efficiency and Overcoming Uncoagulation Issues in Skim Latex Using Synthetic and Natural Creaming Agents** | *Assoc. Prof. Charoen Nakason, Prince of Songkla University, Suratthani Campus, Thailand*
- **Bio-based Approach to Dispersion of Silica in NR** | *Prof. Dariusz M. Bieliński, Lodz University of Technology, Poland*
- **Resolving the Microstructure of Natural Rubber and Its Influence on the Mechanical Properties** | *Prof. Jinrong Wu, Sichuan University, China*
- **Engineering Allergy-Free Natural Rubber: Sustainable Deproteinization for Enhanced Industrial and Medical Performance** | *Prof. Jitladda Sakdapipanich, Mahidol University, Thailand*
- **AFM Nanomechanics Connecting Macro- and Nanoscopic World** | *Prof. Ken Nakajima, Institute of Science Tokyo, Japan*
- **Recent Trends in Adopting Sustainable Solution for Rubber Additives: How Chemistry Plays Significant Role?** | *Prof. Kinsuk Naskar, Indian Institute of Technology Kharagpur, India*
- **Natural Rubber in the Click Era: Advancing Functionalization and Modification via Click Chemistry** | *Prof. Laurent FONTAINE, Le Mans University, France*

Keynote Presentations

- **Elucidating the Role of Nanoscale Interfaces and 3D Dispersion in Elastomer Nanocomposites: Connecting Microstructure to Viscoelastic Behavior** | *Prof. Ming Tian, Beijing University of Chemical Technology (BUCT), China*
- **Optimized Synthesis of Liquid Fluorosilicone Rubber with Improved Cold Resistance for Semiconductor Application** *Prof. Sang Eun Shim, Inha University, South Korea*
- **Development of Fast Rubber Sheet-Forming Method for Natural Rubber and Its Application** | *Prof. Seiichi Kawahara, Nagaoka University of Technology, Japan*
- **Wide-Angle X-Ray Diffraction Studies on Strain-Induced Crystallization of Vulcanized Natural Rubber by Two-Step Biaxial Stretching** | *Prof. Shinichi Sakurai, Kyoto Institute of Technology, Japan*
- **New Insights into Vulcanization Reactions for Green Rubber Technology** | *Prof. Yuko Ikeda, Kyoto Institute of Technology, Japan*
- **Revisiting the Properties of Natural Rubber in Tire Industry and Development of NR-based Sidewall Compounds for EV Passenger Cars** | *Assoc. Prof. Kannika Sahakaro, Prince of Songkla University, Pattani Campus, Thailand*

Invited Presentations

- **Greener Tire Tread Compounds by Reducing the Amount of Ingredients** | *Prof. Anke Blume, University of Twente, Netherlands*
- **Delayed Crystallization Response-Inspired Waterborne Polyurethane with High Performance** | *Prof. Fei Chen, Xi'an Jiaotong University, China*
- **Soft sensing composites based on rubber and elastomer matrices: Development and characterization methods** | *Dr. Frank Jörg Clemens, Smart Ceramic Processing, EMPA, Switzerland*
- **Facile recycling strategy for end-of-life rubbers by selective cleavage of cross-linking bonds** | *Prof. Ganggang Zhang, South China University of Technology, China*
- **Greening the Elastomer Technology : Bio-Based Solid/Liquid Rubbers, Polyurethanes, and TPVs** | *Prof. Jeong Seok OH, Gyeongsang National University, South Korea*
- **Cellulose Nanocrystal: Scalable Production and Innovative Applications of Bio-based Nanofillers** | *Prof. Jianming Zhang, Qingdao University of Science and Technology, China*
- **Colour-changing Smart Materials inspired by Nature: Chameleon Effect** | *Dr. Karine Mougin, Institut de Science des Matériaux de Mulhouse, France*
- **Natural rubber foam containing gamma-synthesized chitosan for the utilization as enhanced heavy-metal sorbents** | *Assoc. Prof. Kiadtisak Saenboonruang, Kasetsart University, Thailand*

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Invited Presentations

- ***Effect of Molecular Architecture on the Thermal Stability of Poly(epichlorohydrin-co-ethylene oxide-co-allyl glycidyl ether) (GECO) Based Elastomers |*** *Prof. Murat Sen, Hacettepe University, Turkey*
- **Optimizing Silica and Carbon Black Ratios for Enhanced Mechanical Performance of NR/BR/SSBR blends** / *Assoc. Prof. Nadras Othman, Universiti Sains Malaysia (USM), Malaysia*
- ***Self-Healing Rubber: An Advancing Technology for Smart Gloves*** / *Dr. Patrick Tang Siah Ying, Monash University Malaysia, Malaysia*
- **Introduction of Reversible Bonds into Rubber Networks** / *Dr. Toshio Tada, Sumitomo Rubber Industries, Ltd., Japan*
- **Dual-Functional Natural Rubber Composites with Piezoresistive and Antibacterial Properties for Wearable Motion Detection |** *Asst. Prof. Yeampon Nakaramontri, King Mongkut's University of Technology Thonburi, Thailand*
- **Strain Softening of Rubber Nanocomposites Vulcanizates** / *Prof. Yihu Song, Zhejiang University, China*
- **Synthesis of Polyester-based Multiblock Copolymer Elastomers via A Cascade Polymerization Method** / *Prof. Yingfeng Tu, Soochow University, China*
- ***Renewable Elastomeric Networks of Functionalized Ethylene-Propylene Copolymer*** / *Prof. Yixian WU, Beijing University of Chemical Technology, China*

Natural Rubber Symposium

- **Global Efforts to Ensure Sustainability of NR Supplies |** *Stefano Savi, Global Platform for Sustainability of Natural Rubber*
- **The Role of Thailand Contributing to Sustainability of NR Supplies** / *Dr. Napawan Lekawipat, Rubber Authority of Thailand*
- **Quality of NR Novel Green Technologies for Production of User-friendly and Consistent Properties NR** / *Dr. Nantina Moonprasith, National Metal and Materials Technology Center, Thailand*
- **From Tree to Technological Materials: Turning Natural Rubber into a Game-changer for More Sustainable and Performing Products** / *Poonyawat Prateeprat, Michelin*
- **Perspective on Dipped Rubber Product Biodegradability: MRB Research Highlights and Future Pathways** / *Shabinah Filza Binti Mohd Sharib, Malaysian Rubber Board*
- ***Study of Biodegradation Efficiency of Natural Rubber Products by Various Microorganism*** / *Dr. Nattawut Boonyuen, (National Center for Genetic Engineering and Biotechnology, Thailand)*
- **Clinical Study of Allergic Properties of NR Gloves and Other NRL Products** / *Dr. Naesinee Chaiear, Khon Khan University, Thailand*
- **From Allergen to Assurance: A Comprehensive Review of Natural Rubber Product Safety and MRB's Strategic Role** / *Dr. Aziana Binti Abu Hassan, Malaysian Rubber Board*
- **Pioneering a Sustainable Biorefinery of Natural Rubber Serum for New Bioactives in Cosmetics, Food, Nutraceuticals, and Pharmaceuticals** / *Dr. Thanawat Pitakpornpreecha, Prince of Songkhla University, Thailand*
- **Modified Natural Rubber: Current Progress, Opportunities, and Challenges.** / *Dr. Krishna Veni, Malaysian Rubber Board*
- **Challenge for the Future of NR Latexand NRL Products** / *Dr. Amir Hashim Yatim, Malaysian Rubber Glove Manufacturers Association*
- **Opportunity for Industrial Applications of NR** / *Dr. Banja Junhasavasdikul, Innovation Group, Thailand*

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Contact Info

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irc2025@thaipolymersociety.org
Contact : Dr.Taweechai Amornsakchai

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Oral Presentations

- **Thermo-chemical devulcanization of sulfur-cured styrene–butadiene rubber (SBR) using diphenyldisulfide (DPDS)** | *Jonas Petzke, Paderborn University, Germany*
- **Tribological behavior of soft polymers against model substrates** | *Prof. Sophie Bistac, Professor, Université de Haute Alsace UHA – LPIM, France*
- **Study of standard laboratory for testing medical rubber gloves according to ISO/IEC 17025** | *Dr. Hassarutai Yangthong, Researcher, Hub of Talents in Natural Rubber, NRCT, Thailand*
- **Polyrotaxane-Based Hybrid Crosslinking for Tunable Elastic and Thermal Response in Epoxidized Natural Rubber** | *Assoc. Prof. Anoma Thitithammawong, Prince of Songkla University, Thailand*
- **Why Lab Studies Matter for Understanding Tyre Wear Emissions**| *Dr. Martin Stěnička, Dr.Tomas Bata University in Zlin / University Institute / Centre of Polymer Systems, Czech Republic*
- **Impact of Fused Filament Fabrication and Processing Parameters on the Performance of $BaTiO_3$-Piezoelectric Composites for Soft Robots** | *Sofiia Butenko, EMPA, Switzerland*
- **New non-isocyanate polyurethane films based on natural rubber** | *Tharin Sensan, Prince of Songkla University, Thailand*
- **A New Antibacterial Hybrid Waterborne Polyurethane/Silica Coating Film Based on Natural rubber |** *Assoc.Prof. Dr. Nitinart Saetung, Faculty of Science, Prince of Songkla University, Thailand*
- **Method for Analyzing Mechanical Property Degradation of Polymer Materials Using Artificial Intelligence** | *Sangin Park, Researcher, Hyundai Motor Company, South Korea*
- **Molecular chain structure changes and strain-induced crystallization behaviors during various deformation of segmented polyurethane elastomer** | *Asst. Prof. Kakeru Obayashi, Kyoto University, Japan*
- **Understanding and Controlling Storage Hardening in Natural Rubber via Phospholipid Network Disruption** | *Kittipong Insom, Mahidol University, Thailand*
- **The Role of Deformation Mode on Rubber Hysteresis and Its Dependency on Viscoelasticity** | *Dr. Shouliang Nie, Researcher, Zhongce Rubber Group Co. Ltd, China*
- **Overview of SRI's research initiatives for enhancing the well-being of natural rubber stakeholders in Thailand** | *Dr. Lucksanaporn Tarachiwin, Deputy General Manager, Sumitomo Rubber (Thailand) Co., Ltd*
- **Degradation Trends in Plasticity and Viscosity of Selected Standard Philippine Rubber Under Prolonged Storage** | *Rosemarie Salazar, Assistant Regional Director, Department of Science and Technology Region IX - Philippines*

Oral Presentations

- **Study on the dispersion of silica in SBR using time-resolved ultra small angle X-ray scattering** | *Assoc. Prof. Shotaro Nishitsuji, Yamagata University, Japan*
- **Sustainable Yield Improvement and Quality Assessment of TSR10 Rubber from Two Hevea brasiliensis Genotypes: Impact of Reduced Tapping Frequency Associated with Ethephon Stimulation** | *Hathainat Kum-ourm, Researcher, Sumitomo Rubber (Thailand) Co., Ltd.*
- **Preparation and Characterization of Silica Filled Modified Natural Rubber: A Comparative Analysis of Pre-dispersion and Conventional Techniques** | *Dalip Abdulraman, Mahidol University, Thailand*
- **Mechanical Tailoring of Waterborne Epoxy Coatings on Metal Substrates using Functionalized Natural Rubber Latex** | *Dr. Wasan Tessanan, Pathumwan Institute of Technology, Thailand*
- **How microcapsule-enhanced rubber can help creating a circular economy** | *Katerina Filzer, University of Twente, Netherlands*
- **Correlative analysis of morphological and functional properties in high-performance elastomer blends** | *Dean Vidakovic, ZFE - Austrian Centre for Electron Microscopy & Nanoanalysis, Austria*
- **Advancing sustainability in synthetic rubber: from commitment to climate action** | *MARJOLEIN GROENEWEG, Marketing & Sustainability Director, Synthos Schkopau GmbH, Germany*
- **Pyrolysis of Polychloroprene Rubber with Scavenger-Based HCl Neutralization** | *Parinchaya Srithavorn, Queen Mary University of London, Thailand*
- **On the Decoupling of Chemical and Mechanical Surface Contributions in Soft Polymer Network Adhesion** | *Prof. Maurice Brogly, UHA – LPIM, France*
- **Carbon Black Coupling Agents for Improved Fuel Efficiency of Tyres** | *Max Dixey, Queen Mary University of London, United Kingdom*
- **The development of bio-inspired composites from epoxidized natural rubber using π–π stacking and cation–π interactions** | *Dr. Kwanchai Buaksuntear, Hub of Talents in Natural Rubber, National Research Council of Thailand*
- **Improving Seal Life Prediction: Faster Crack Growth Testing in HNBR and NBR** | *Orkid Ramekaj, Queen Mary University, United Kingdom*
- **Investigation of the Effect of the amount of zinc borate on cure kinetics, reversion, and mechanical properties of natural rubber in a semi-efficient curing system** |*Dr. Davut Aksüt, Hacettepe University, Turkey*
- **Study on the Effect of Silane Coupling Agents on Mechanical Behavior of Silica-Filled Styrene-Butadiene Rubber under Elongation using In Situ Nano-Palpation Atomic Force Microscopy** | *Maytawee Malineerat, Institute of Science Tokyo, Japan*

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1-3 DEC 2025 | BITEC - BANGKOK

International Rubber Conference Organisation

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Oral Presentations

- **Implementing Circular Economy Strategies in Power Transmission Belt Manufacturing** | *Dr. Aswathy T R, Assistant Manager, JK Fenner India Ltd., India*
- **AFM-Based Investigation of Polyisoprene-Inorganic Interface Adhesion at Multiple Scales** |*HEXUAN MAO, Institute of Science Tokyo, Japan*
- **Aluminum Soaps: A New Prospect for Rubber Application** | *Prof. Xiaorong Wang, Center for Frontier Research & Technology, Hangzhou Zhongce Rubber Company, China*
- **Sustainable NZEROSILTM Silicas from Renewable Rice Husk** | *Danniel Liao, Product Application Development Supervisor, Oriental Silicas Corporation, Taiwan, Province of China*
- **Inverse vulcanization forged self-motivated polysulfide silane: An ultra-efficient architect in engineering silica-rubber interface** | *Dr. Dong Wang, South China university of technology, China*
- **Microstructural Modelling of Carbon Black Aggregates for Sustainable Next-Generation Tyre Design** | *Sarah Pedroni, Queen Mary University of London, United Kingdom*
- **Rubber Blend Compatibility Analysis Using Large-Amplitude Oscillatory Shear (LAOS) on RPA** | *Dr. Zühra Çınar Esin, Hacettepe University, Turkey*
- **Chitosan-reinforced epoxidized natural rubber: possible design of energy-efficient tire tread compounds** | *Nantinee Choosang, Hub of Talents in Natural Rubber, National Research Council of Thailand*
- **Rubbery Soft Polymer Electrolyte Membrane with Nanomatrix Channel Prepared from Natural Rubber** | *Dr. Yoshimasa Yamamoto, Associate Professor, National Institute of Technology, Tokyo College ,Japan*
- **Biomimetic Design and Development of Natural Rubber-based Soft Robotics** | *Dr. Manus Sriring, Researcher, Rubber Technology Research Centre, Faculty of Science, Mahidol University, Thailand*
- **Experimental Analysis of the Mixing Behavior of Ethylene-Propylene-Diene Rubber (EPDM) in a Rubber Pin Extruder under Variation of Process Parameters and Mixing Elements** | *Mr. Leon Schmidt, Paderborn University, GermanY*
- **Study on Rubber Adhesive Interface Peeling Mechanism of Sealing Materials** | *Mr. Hiromu Kawasaki, Researcher, NOK corporation, Japan*
- **Influences of Sulfur Vulcanization System and Curative Content on Properties of Tire Tread Compounds Filled with Carbon Black/Silica Hybrid Filler** | *Dr. Puchong Thaptong, Researcher, National Science and Technology Development Agency (NSTDA), Thailand*
- **Eco-Efficient Vulcanization: Analysis of a Sustainable Rubber Curing Package** | *Frances van Elburg, University of Twente, Netherlands*

Oral Presentations

- **Removal of proteins from natural rubber by creaming method** | *ANH VIET TA, Nagaoka University of Technology, Japan*
- **Critical Concentration of Primary Amines for Preparation of Vulcanized Deproteinized Natural Rubber with Outstanding Mechanical Properties** | *Lam Ba Nguyen, Nagaoka University of Technology, Japan*
- **Surface-Functionalised Carbon Black as a High-Performance Filler in Elastomeric Compounds: Techniques and Potential** | *Rattapong Numard, Queen Mary University of London, United Kingdom*
- **Visualizing Nanoscale Interface in Direct Adhesive Rubbers Containing Reversible Coordination Linkages |** *Asst. Prof. Kim Hung NGUYEN, Institute of Science Tokyo, Japan*
- **Boron-Containing Elastomer** | *Assoc. Prof. Qi Wu, Sichuan University, China*
- **Enhancing the Piezoresistive Sensing Properties of TPE/CB Composites via Co-Continuous Structure Design through Natural Rubber Blending** |*Christopher Bascucci, Empa, Switzerland*
- **Friction Behaviour in Relation to Wear Morphology** | *Huong Thao Pham, Queen Mary University of London, United Kingdom*
- **Elastomeric Ionomer based on Maleated Bromobutyl Rubber** | *Assoc.Prof. Subhan Salaeh, Prince of Songkla University, Thailand*
- **Green Synthesis of Zinc Oxide from Skim Latex Serum for Application in Rubber Vulcanization** | *Asst. Prof. Preeyanuch Junkong, Mahidol University, Thailand*
- **Modelling of Elastomers under Dynamical Mechanical Loads** | *Prof. Michael Johlitz, Institute of Mechanics, Germany*
- **Extrudable Vitrimeric Rubbers Enabled via Heterogeneous Crosslinking** | *Dr. Shuangjian Yu, South China University of Technology, China*
- **Property and Application of Perfluoropolyether-modified Functional Rubber** | *Dr. Zheming Tong, PetroChina (Shanghai) New Materials Research Institute Co., Ltd., China*
- **Effect of crystal orientation on mechanical strength of poly-isoprene rubber under bi-axial deformation** | *Airi Sato, Researcher, Bridgestone Corporation, Japan*
- **Enhancing Ozone Resistance of Tyre Sidewall by Sustainable Replacement of Petroleum Wax with Bio-based Additive** | *Tirthankar Bhandary, Researcher, HASETRI, India*
- **Performance Evaluation of Silicone-Based Isolators Under Varying Temperatures and Excitation Levels Using a Thermal Chamber Shaker** | *Erdem Rahmi SENOZ, Mechanical Engineer, Aselsan, Turkey*

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Oral Presentations

- **New insights into Resins behavior: Influence of Resin Softening Point on the In-Rubber Properties of Carbon Black-Filled SBR Compounds** | *Dr. Javier Alejandro Araujo Morera, Assistant Professor, University of Twente / Elastomer Technology and Engineering, Netherlands*
- **Latex Serum Boosts Natural Rubber Strength** | *Dr. Katsuhiko Tsunoda, Researcher, Bridgestone Corporation, Japan*
- **N-Vinylamides: Structural Isomers of Amino acids Grafted onto Deproteinized Natural Rubber** | *Prof. Hiroharu Ajiro, Nara Institute of Science and Technology, Japan*
- **Low-Hysteresis Rubber Composites** | *Prof. Baochun Guo, South China University of Technology, China*
- **Study on the Performance of Natural Rubber - Copper Coated Steel Wire with BCDB and BCoPD** | *Yuan Jin, Technical Service Manager, Rebo New Material Group, China*
- **In situ methods to characterize deformation-induced mechanisms in NR** | *Dr. Eric Euchler, Leibniz Institute of Polymer Research Dresden, Germany*
- **Innovation Management for Commercial Success in the Rubber Industry Amid Shifting Global Market Forces** | *Dr. Matthew Thornton, The Rubber Initiative, United Kingdom*
- **Chemical fingerprinting for environmental detection of tyre rubber emissions** | Mr. Nick Molden, CEO, Emissions Analytics Ltd., United Kingdom
- **Formulations of finite hyperelasticity and viscoelasticity using invariants of stretch tensors** | *Prof. Alexander Lion, University of the Bundeswehr, Germany*

Poster Presentations

- **Simulation of Rubber Acoustic Coatings under Deep-Sea Pressure Based on Strain-Dependent Viscoelastic Properties** | *Dr. LIU Yue, Beijing University of Chemical Technology, China*
- **Spatiotemporal Internal-Damage Distribution During Nonuniform Deformations in Filled Elastomers** | *Yuki Tokudome, Kyoto University, Japan*
- **Accelerated Prediction of Glass Transition Temperature in SSBR via Integrated Molecular Dynamics Simulation and Machine Learning Framework** | *SIQI ZHAN, Beijing University of Chemical Technology, China*
- ***Development of an Integrated Design, Analysis ,and Evaluation System for Rubber Components*** | *Dr. Changsu Woo, Researcher, Korea*

Poster Presentations

- **Enhancing Mechanical and Antibacterial Properties of Natural Rubber/Tire Waste Blends through Dual-Phase Processing Techniques** | *Napasorn Kingkohyao, King Mongkut's University of Technology Thonburi, Thailand*
- **Development of Phosphorylated Cellulose Nanofibers/Natural Rubber Composites |** *Ryotaro TAKAYAMA, Researcher, Oji Holdings Corporation, Japan*
- **Establishment of a library database of some compounding ingredients using a Py-GC/MS technique** | *Prin Tumwised, Mahidol University, Thailand*
- **Development of Tire Tread Formulations for Military Light-Truck Tires** | *Dr. PAIROTE JITTHAM, Researcher, National Metal and Materials Technology Center, Thailand*
- **Identification and Reduction of residual allergenic rubber proteins in Natural Rubber latex gloves via Alkaline and Surfactant Treatments** | *Pimnaraporn Porncharukit, Mahidol university, Thailand*
- **Mixed-Mode Crack Propagation Criterion in Elastomers** *|Tomoki Mishima, Kyoto University, Japan*
- **Effect of Carbon Black and Barium Titanate Hybrid Filler on the Change of Electrical Signal in Epoxidized Natural Rubber Composites** | *LYHAV BOEURN, King Mongkut's University of Technology Thonburi, Thailand*
- **Feasibility Study of Tamarind Shell Powder as a Bio-Based Secondary Accelerator for Rubber Flooring** | *Weenusarin Intiya, Researcher, National Science and Technology Development Agency (NSTDA), Thailand*
- **Study on the Effect of Compatibilizer Content on the Mechanical Properties of NR/BR/NBR Blends** | *Kanokporn Sarikanonm, Kasetsart University, Thailand*
- **Fatigue Properties of Rubber Composites with Different Glass Transition Temperatures** | *Dr. Jiaye Li, Beijing University of Chemical Technology, China*
- **Strain-induced crystallization behaviors of natural rubber with additional lipids** | *Mr. Tomoaki Nakatsuka, Kyoto University, Japan*
- **Bio-Based Polyurethane/Tannic Acid Composites with Adjustable Damping Property Enabled by Constructing Multiple Sacrificial Networks** | *Dr. Dexian Yin, Beijing University of Chemical Technology, China*
- **Strain-Induced Crystallization of Carbon Black-Reinforced Vulcanized Natural Rubber by Biaxial Elongation** | *Hiroto Okumura, Kyoto Institute of Technology, Japan*
- **Influence of Balanced Ratios between Mica and Carbon Black on Rheological and Mechanical Behaviors of Elastomeric Materials** | *Assoc. Prof. Keon-Soo Jang, University of Suwon, South Korea*
- **Natural-Rubber-Based Adhesives for Housefly (Musca domestica) Control** | *KANNIKA HATTHAPANIT, Researcher, National metal and materials technology center, Thailand*

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Poster Presentations

- **Evaluation of a Non-Traditional Preservative System for Enhancing Natural Rubber Latex Stability** / *Maneephan Sukkho, Mahidol University, Thailand*
- **Study on the Impact of Purified Natural Rubber Latex and Accelerators on Rubber Allergens in Natural Rubber Gloves** / *Pitchaya Theedee, Researcher, Faculty of Science, Mahidol University, Thailand*
- **Optimized UVA-Irradiation Silane-Grafting onto Saponified Skim Rubber for Enhanced Silica-Natural Rubber Compatibility** / *Areeya Anuwatprakit, Mahidol University, Thailand*
- **Cure Characteristics of NR Compounds with Sulfur Sludge from Biogas -Wastewater Treatment in Palm Oil Industry** / *Asst. Prof. Prachid Saramolee, Walailak University, Thailand*
- **Effect of chitosan bio-based filler on the mechanical reinforcement of ENR composites** / *Ploypailin Juntosree, Kasetsart University, Thailand*
- **Development of Natural Rubber Insulating Gloves: Influence of Latex Centrifugation and Leaching on Mechanical and Electrical Properties** / *Dr. Promsak Sanguanthammarong, Researcher, National Metal and Materials Technology Center (MTEC), Thailand*
- **Predicting the glass transition temperature of polymer based on generative adversarial networks and automated machine learning** / *Zhanjie Liu, State Key Laboratory of Organic-Inorganic Composites, College of Materials Science and Engineering, Beijing University of Chemical Technology, China*
- **Influence of Bio-Based Epoxidized Natural Rubber as a Compatibilizer on Thermoplastic Polyurethane/Natural Rubber Blends for 3D Printing Applications** / *Torfan Srisuwanno, King Mongkut's University of Technology Thonburi, Thailand*
- **Changes in nanostructural changes during tearing of elastomeric poly(butylene succinate)/poly(butylene succinate adipate) blend films** / *Kazuki Imai, Kyoto Institute of Technology, Japan*
- **A Melt Crystallization and Dewetting Kinetics of Marine-Degradable Polyesters in Thin Films** / *Ryu Miyajima, Kyoto Institute of Technology, Japan*
- **Influence of vacancy defect on stretching behavior of liquid crystal elastomer membrane** / *Takumi Kato, Kyoto University, Japan*
- **Texture Evolution and Mechanical Response of Cholesteric Liquid Crystal Elastomers with a Lying Helix Structure** / *Koudai Tanino, Department of Material Chemistry, Graduate School of Engineering, Kyoto University, Japan*
- ***Characterization of polyisoprene blended with urethane compounds*** / *Dr. Takashi Kakubo, Senior Engineer, The Yokohama Rubber Co., Ltd. , Japan*

Poster Presentations

- **Facile and efficient preparation of functionalized diene-elastomers via dynamic covalent polymerization |** *Xinglong An, Institute of Emergent Elastomers, School of Materials Science and Engineering, South China University of Technology, China*
- **Application of Ozone Treatment to Reduce Foul Odor in Cup Lump Rubber Production** / *Chaveewan Kongkaew, Researcher, National Metal and Materials Technology Center, Thailand*
- **Preparation of DES-containing Polyurethane Elastomer and Its Moisture-dependent Electrical Conductivity** / *Shogo Taketa, Nagasaki University, Japan*
- **Changes in Nano Structure upon Uniaxial Stretching of Polyurethane Liquid-Crystalline Elastomers as Analyzed by Small-Angle X-ray Scattering** / *Yume SUGINO, Kyoto Institute of Technology, Japan*
- **Effective degradation of waste tyre rubber using a specific treatment process: A Chemi-biological Method** / *Pritish Raj Shukla, Birla Institute of Technology and Science- Pilani, K.K. Birla Goa Campus, India*
- **Mediating Carbon Black-Natural Rubber Interface by Thioamide-Functionalized Polysulfide for Energy-Saving Composites** / *Ruoyan Huang, Institute of Emergent Elastomers, School of Materials Science and Engineering, South China University of Technology, China*
- **Design and molecular dynamics simulation of Biomass Ion-conductive elastomer** / *Dr. Jiajun Qu, Beijing University of Chemical Technology, China*
- **AFM Nanomechanics of Vulcanized Rubber Containing Silica and Petroleum Resin** / *Makiko Ito, Researcher, Institute of Science Tokyo, Japan*
- **Highly conductive Ag/pCF/MVQ composite rubber for efficient electromagnetic interference shielding** /*Yang Chen, Beijing University of Chemical Technology, China*
- **A Facile Method in Fabricating Flexible Composite elastomer with Large-Size Segregated Structures for Electromagnetic Interference Shielding** / *Liang He, Beijing University of Chemical Technology, China*
- **Deproteinization Process of Natural Rubber Latex by Membrane Filtration** /*Prof. Yoko Aoyama, KOSEN-King Mongkut's Institute of Technology Ladkrabang, Thailand*
- ***Thermal Analysis of the Mullins Effect in Filler Reinforced Elastomers*** / *Koshi Shimazaki, Department of Material Chemistry, Kyoto University, Japan*
- **Study on Melting Behavior of Crystallites in Carbon Black-Filled Vulcanized Natural Rubber Upon High-Speed Shrinkage from Its Highly Elongated State** / *Maho Nakada, Kyoto Institute of Technology, Japan*
- **Wide-angle X-ray diffraction studies on thermal melting behavior of crystallites formed by planar elongation of vulcanized natural rubber** / *Shoei Okamoto, Kyoto Institute of Technology, Japan*

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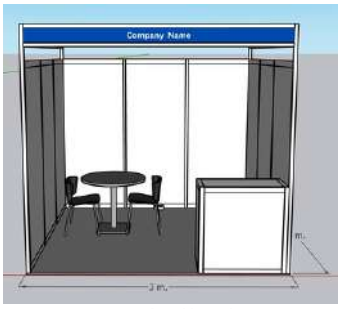
Trade Exhibition



9 SQM ShellScheme
Booth: 2800 US$

4 SQM ShellScheme
Booth: 1500 US$

Exhibitor Profile

Global Manufacturers & Suppliers of

- Natural & Synthetic Rubbers
- Rubber Chemicals
- Recycled Rubbers and Rubber Chemicals
- Rubber Analysis & Testing Equipment
- Rubber & Latex Products
- Rubber Technical Services
- Books and Periodicals

Participating Exhibitors

- MTEC (Polymer Research Organization)
- Struktol (Rubber Chemical)
- Sumitomo Rubber (Products)
- LAWER S.p.A (Chemical feeding automation)
- CG Engineering (Testing Instruments)
- Nippon Soda Co., Ltd. (Chemicals)
- Test Industry SRL (Testing Instruments)
- Emissions Analytics (Testing Instruments)
- Rubber Technology Research Centre (Testing)
- Rubber World / Rubber Review (Publication)
- TechnoBiz
- Rubber Industry Club, FTI
- Prince of Songkla University
- Hub of Talents in Natural Rubber, National Research Council of Thailand (NRCT)

Booth Booking Form

Limited space is available.
First come first serve

IRC2025 Secretariat
Polymer Society of Thailand
irc2025@thaipolymersociety.org
Contact : Dr. Taweechai Amornsakchai

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Delegate Registration

Sponsor Registration

Exhibitor Registration

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POLYMER SOCIETY OF THAILAND

International Rubber Conference Organisation

IRC2025 Secretariat
Polymer Society of Thailand
irc2025@thaipolymersociety.org
Contact : Dr. Taweechai Amornsakchai

Edition - 4 | Hybrid Event

TechnoBiz

RUBBER WEEK

28-31 OCT 2025

COLOMBO, SRI LANKA

VENUE : MARINO BEACH HOTEL

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TechnoBiz
RUBBER WEEK

28-31 OCT 2025
COLOMBO, SRI LANKA

Hybrid Event | Edition 4

A TechnoBiz Executive Forum on Rubber Industry & Technology

Training	**Conference**	**CEO FORUM**
Hall of Fame	**Rubber Clinic**	**Rubber Quiz**

About TechnoBiz Rubber Week 2025 – Sri Lanka

The 4th Edition of TechnoBiz Rubber Week 2025 will be held from 28–31 October 2025 at Marino Beach Hotel, Colombo, as a hybrid executive forum dedicated to the rubber industry and technology. This premier event provides a unique platform for professionals across plantations, manufacturing, academia, and business leadership to engage in knowledge exchange, skill development, and strategic dialogue with a strong focus on sustainability, innovation, and global market competitiveness.

The program begins with a specialized training course on Rubber Industry & Plantation Sustainability, covering ESG, carbon credits, life cycle thinking, EUDR compliance, and opportunities for smallholders and producers. Additional training sessions include Advanced Polymer Science: Structure, Analysis & Applications and Global Market Expansion: Marketing & Branding for the Rubber Sector, enabling participants to build both technical expertise and business capabilities.

At the core of the event is the Sri Lanka Rubber Conference (29–30 October), featuring five keynote lectures and over 25 technical presentations from leading experts on materials, processes, energy, sustainability, circular economy, and industry innovation. This is complemented by the CEO Forum (29 October, by invitation only), where top industry leaders gather to discuss strategic challenges, leadership, and the future vision for the Sri Lankan rubber sector.

Special highlights include the prestigious Rubber World – Hall of Fame Awards, the TechnoBiz Clinic (Rubber Doctor) for live technical troubleshooting, and the engaging Rubber Knowledge Quiz.

With its combination of training, technical sessions, recognition programs, and high-level networking opportunities, TechnoBiz Rubber Week 2025 offers a comprehensive and forward-looking forum to strengthen Sri Lanka's position in the global rubber industry while empowering professionals with the knowledge and connections to drive sustainable growth

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Training | **Conference** | **CEO FORUM**

Hall of Fame | **TechnoBiz Clinic** | **Knowledge Test**

EVENT SCHEDULE

TRAINING

28 Oct 2025 | Tuesday | 9am-6pm
Rubber Industry & Plantation Sustainability: ESG, Carbon Credits & Life Cycle

31 Oct 2025 | Friday | 9am-12pm
Advanced Polymer Science: Structure, Analysis & Applications

31 Oct 2025 | Friday | 2pm-5pm
Marketing & Branding for Global Market Expansion

CONFERENCE

29-31 Oct 2025 | Wednesday - Friday
Sri Lanka Rubber Conference
- 5 Keynote Presentations | 25+ Oral Presentations

CEO FORUM

29 Oct 2025 | Wednesday | 7pm-11pm
- Rubber Industry CEO Forum *(by invitation only)*

AWARDS

29 Oct 2025 | Wednesday | 12pm-1pm
- Rubber World - Hall of Fame

CLINIC

29-30 Oct 2025 | 5pm-6pm
- TechnoBiz Clinic - Rubber Doctor

QUIZ

29-31 Oct 2025
TechnoBiz Knowledge Test - Rubber Technology

Chairman

Dr. Susantha Siriwardena

Project Manager

Yugantha Piyadasa

Founder

Peram Prasada Rao

Venue :
Marino Beach Hotel

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Lakshman Abeysekera


Mohideen Cader


Manoj Udugampola


Dr. Upul Ratnayake


Prof. Shantha M Egodage


KS Venkatesh


Prof. Hemanthi Ranasingha


Ranil Abeysekara


Saman Gunathilaka


Sakunthala Goonetilleke


Dr. W.D.M. Sampath


Dr. Dinesh Attygalle


Subadra Jayasinghe


Gayan Ranasinghe


Don Merl


Umesh Hettiarachchi


Dr. Baggya Karunarathna


Dr. Asangi Gannoruwa


Dr. Sudarshana Perera


Vindya Wijesinghe


Dr. Sunil Mendis


Dr. Mahinsasa Rathnayake


Dr. Bhadranie Thoradeniya


Dr. Dhammika Weerathunga


Dr. Chandima Narangoda


Dr. M. A. Madhubhashini


Dr.H.P.P.S.Somasiri


Prof. L.Karunanayake


Dr. Hasara Samarasingha


KS Kithsiri


Dr. Sampath Wahala


Dr. Pasan Dunuwila


Eranga Dilhan


Dr. Suranga Rajapaksa


Dr. Sisira Ranatunga


Dimantha Jayawardena


Shyanaka Walgama


Arshad Iqbal


Dr. Lakshman Rodrigo


Mridul Mathur

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Training Course | 28 October 2025 | 9am-5pm

Rubber Industry & Plantation Sustainability : ESG, Carbon Credits & Life Cycle Thinking

Course Content

- ESG Beyond Compliance: Creating Value under EU Rules
- Carbon Accounting & EUDR: Opportunities for Rubber Producers
- Life Cycle Thinking: Boosting Competitiveness in Rubber
- ESG & Smallholders: Social and Environmental Value in Supply Chains
- EUDR in Practice: Traceability Success of a Rubber Exporter
- Carbon Credits: Monetizing Sustainability in Rubber Plantations

Speakers

- Dr. Sampath Wahala, Senior Lecturer, University of Sabaragamuwa
- Dr. Pasan Dunuwila, Senior Lecturer, University of Sri Jayewardenepura
- Eranga Dilhan, General Manager Sustainable Business, MAS Holdings

Training Course | 31 October 2025 | 9am-1pm

Advanced Polymer Science: Structure, Analysis & Applications

Course Content

- Introduction to Advanced Materials
- Structure–Property Relationships: How structure dictates performance
- Analytical & Characterization Methods
- Smart and Functional Materials
- The impact of performance of products in applications

Speaker : *Dr. Suranga M. Rajapaksha*, Senior Lecturer, University of Sri Jayewardenepura | Head of R&D, Riley's PVT Ltd & Toyo Cushion.

Training Course | 31 October 2025 | 2pm-5pm

Global Market Expansion: Practical Marketing & Branding

Course Content

- Global Markets & Entry – understanding opportunities and strategies for expansion
- Cross-Border Branding – balancing global identity with local market adaptation
- Digital & Partnerships – leveraging online channels, distributors, and influencers
- Smart Storytelling – creating culturally sensitive and impactful brand messages
- Compliance & Risk – managing regulations, pricing, and brand protection
- Action Plans – learning from examples and building practical action plans

Speaker : Peram Prasada Rao, CEO/Founder, TechnoBiz

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Sri Lanka Rubber Conference

29-30 October 2025 | Wed-Thu

29 October 2025 (Wednesday)

08:30-09:15	Delegate Registration
09:15-09:30	Program Introduction | *Peram Prasada Rao*
09:30-09:40	Welcome Remarks | *Dr. Susantha Siriwardena*
09:40-10:10	**Keynote Speech | Challenges in the Global Market and Necessity of Market Diversification** *Mohideen Cader, Group Managing Director, Sinwa Holdings Ltd., Sri Lanka*
10:10-10:30	**ESG in Action: Turning Sustainability into a Profit Engine** *Sakunthala Goonetilleke, Managing Director, Institute of Total Quality Solutions, Sri Lanka*
10:30-10:50	**TechnoBiz Services for Global Rubber Industries |** *Peram Prasada Rao, CEO/Founder, TechnoBiz*
10:50-11:10	**Coffee / Tea Networking Break**
11:10-11:30	**Data-Driven Rubber Processing: Turning Factory Data into Profit** Eng. Saman Gunathilaka, Head of Business Compliance, HITEC Sensor Developments Pvt Ltd
11:30-12:30	**Award Session | Rubber World - Hall of Fame**
12:30-13:30	Lunch Break

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Sri Lanka Rubber Conference

29-30 October 2025 | Wed-Thu

13:30-14:00	**Keynote Speech | Shaping the Future of Sri Lanka's Glove Industry: Innovation, Market Demands and Industry Challenges |** *Dr. Upul Ratnayake, Director - Technical and R&D, Dipped Products PLC (Hayleys Group)*
14:00-14:20	**Global Solid Tire Industry: New Trends, Emerging Markets & Evolving Dynamics** *Ranil Abeysekara, Director – International Marketing & Sales , Rovince Industrial Tires (Pvt) Ltd., Sri Lanka*
14:20-14:40	***People, Process, and Product: Leveraging Systems Thinking in AI for Rubber Manufacturing*** *Don Merl, Director of Operations & IT, Clinco Rubber Mouldings (Pvt) Ltd., Sri Lanka*
14:40-15:00	**Life Cycle Assessment for Sustainable Rubber Products Manufacturing** *Umesh Hettiarachchi, Team Leader - Sustainability Assessment & Verification, Control Union Inspections (Pvt) Ltd.,*
15:00-15:30	**Coffee / Tea Networking Break**
15:30-15:50	**Chemical Modification of Natural Rubber Latex for New Materials** *Dr. Asangi Gannoruwa, Head-Department of Materials & Mechanical Technology* *Faculty of Technology, University of Sri Jayewardenepura, Sri Lanka*
15:50-16:10	**Green chemicals impacts in Rubber Chemistry and Technology** *Subir Sen, Managing Director, PMC Rubber Chemicals, India*
16:10-16:30	**Natural Rubber Films in Electromagnetic Radiation Shielding Applications.** *Dr. Dhammika Weerathunga, Senior Lecturer University of Sri Jayewardenepura*
16:30-16: 50	**Converting Effluent Treatment Plant Sludge from Glove Manufacturing into Organic Fertilizer** *Dr. Sunil Mendis, R & D Director, ATG Group of Companies*
16:50-17:10	**Nitrosamine-Safe Accelerators for Sustainable Rubber Product Manufacturing** *Dr. Hasara Samarasingha, Research Officer, Rubber Research Institute Sri Lanka*
17:10-18:00	**TechnoBiz Clinic : Rubber Doctor**

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30 October 2025 (Thursday)

09:00-09:30	**Keynote Speech | Innovative Materials & Processes: Shaping the Future of the Rubber Industry |** *Prof. Shantha M Egodage, University of Moratuwa, Sri Lanka*
09:30-09:50	**Dry Natural Rubber Cellular Composites : Properties & Applications |** *Dr. W.D.M. Sampath , Senior Research Officer, Rubber Research Institute of Sri Lanka (RRISL)*
09:50-10:10	**Cost-Effective and Reliable Method for Latex Testing** *Mridul Mathur – Regional Sales Manager, Foss India Pvt. Ltd.*
10:10-10:30	**Sustainable Use of Energy in Rubber Industry in Sri Lanka** *K.S Kithsiri, Director (Industrial and Services Sectors), Sri Lanka Sustainable Energy Authority*
10:30-10:50	**Coffee / Tea Networking Break**
10:50-11:20	**Keynote Speech | Renewable Energy in Sri Lanka: Current Landscape & Future Trends Impacting Industry |** *Dr. Dinesh Attygalle | Senior Lecturer, University of Moratuwa, Sri Lanka*
11:20-11:40	**Measuring What Matters: Carbon Pool Assessment and Monitoring Protocols in Plantation Carbon Credit Projects |** *Prof. Hemanthi Ranasingha, University of Sri Jayawardenapura*
11:40-12:00	**Rubber Plantations as Climate Guardians: A Sustainable Perspective** *Dr. Mahinsasa Rathnayake, Senior Lecturer, University of Moratuwa*
12:00-12:20	**Effective Testing and Institutional Connectivity: A Framework for Reverse Engineering Rubber and Plastics in Sri Lanka |** *Dr Sudarshana Perera, Lecturer, Institute of Technology, University of Moratuwa*
12:20-12:40	**Practical Applications of the Rubber Process Analyser (RPA) in Production Floor Operations** *Shyanaka Shyamal Walgama, Polymer Technologist at Elastomeric Engineering Co. Ltd*
12:40-13:40	**Lunch Break**

Contact Person: Mrs. Yugantha Piyadasa | T: +94-77 317 5890 |E: yugantha.piyadasa@gmail.com

TechnoBiz
RUBBER WEEK

Hybrid Event | Edition 4

28-31 OCT 2025

COLOMBO, SRI LANKA

Marino Beach Hotel

Sri Lanka Rubber Conference

29-30 October 2025 | Wed-Thu

13:40-14:10	**Keynote Speech | EUDR Readiness of Sri Lankan Rubber Plantations** *Manoj Udugampola | Director, DR Industries Pvt Ltd, Damro Group, Sri Lanka, Agalawatte Plantations PLC, Sri Lanka*
14:10-14:30	**Computational Chemistry Approaches: Designing Sustainable, High Performance Rubber Products for a Circular Economy |** *Dr. Baggya Karunarathna, Senior Lecturer, Faculty of Science, Eastern University Sri Lanka*
14:30-14:50	***Unlocking Value through Intellectual Property: Driving Innovation and Competitiveness in Sri Lanka's Rubber Sector |*** *Vindya Wijesinghe, Senior Innovation Officer, National Innovation Agency, Sri Lanka*
14:50-15:10	**Diatomaceous Earth Incorporated Natural Rubber Latex Foams as Efficient Oil Sorbents** *Dr. M. A. Madhubhashini Maddumaarachchi Senior Lecturer, University of Sri Jayewardenepura*
15:10-15:30	**Coffee / Tea Networking Break**
15:30-15:50	**Total Quality Management (TQM) in the Rubber Industry |** *Dr.HPPS Somasiri , Add. Director General – Technical Services Industrial Technology Institute, Sri Lanka*
15:50-16:10	***Assuring Product Quality through Laboratory Accreditation and Analytical Test Results*** *Subadra Jayasinghe, Laboratory Quality Consultant for UNIDO*
16:10-16:30	**Driving Circular Economy Performance in the Rubber Sector through ISO 59020:2024** *Gayan Ranasinghe, Scheme Manager- Sustainability Assessment & Verification, Control Union Inspections (Pvt) Ltd.*
16:30-16:50	**Exploring the Role of Biochar in Strengthening Rubber Materials** Prof. Lalin Karunanayake, Department of Polymer Science, University of Sri Jayewardenepura
16:50-17:10	**A Novel Devulcanizable Rubber System Based on Organic Chemistry Principles** *Dr. Chandima J. Narangoda, Senior Lecturer University of Sri Jayewardenepura*
17:10-17:30	**Building a Resilient and Sustainable Natural Rubber Ecosystem** Arshad Iqbal General Manager, M/S Kamar & Sons Holding (Pvt) Ltd
17:30-17:50	**Eco-Incentives in Action: How Sri Lanka's Rubber Industry Supports Growers Through |** *Dr. Lakshman Rodrigo, Senior Scientist International Center for Research in Agroforestry (ICRAF)*
17:50-18:30	**TechnoBiz Clinic :** Rubber Doctor

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CEO Forum | 29 Oct 2025 | 7pm-10pm

Sri Lanka Rubber Industry CEO Forum

19:00-19:20	***Welcome Remarks*** *Dr. Sisira Ranatunga, Director General* *Sri Lankan Association of Manufacturers and Exporters of Rubber Products (SLAMERP)* *Dimantha Jayawardena, Chairman* *Sri Lanka Automotive Component Manufacturers Association (SLACMA)*
19:20-19:40	**Keynote Speech | National SME Policy Framework and Entrepreneurship Development in Sri Lanka |** *Lakshman Abeysekera, Chairman and Director General National Enterprise Development Authority (NEDA), Sri Lanka*
19:40-20:00	**Keynote Speech | Visionary Leadership and Entrepreneurship Development** *KS Venkatesh, Managing Director, SRP Synthetic Rubber Products Pvt., Ltd., India*
20:00-20:30	**TechnoBiz RoundTable** | Rubber Sri Lanka 2030 - Leadership, Vision, Innovation & Growth
20:30-20:35	**Vote of Thanks** | *Yugantha Piyadayasa*
20:30-22:00	Networking Dinner

Delegate Registration Fee / Person

Sri Lanka Rubber Conference (29-30 Oct 2025)	30,000 LKR	300 US$
Training - Rubber Industry & Plantation Sustainability (28 Oct 2025)	20,000 LKR	200 US$
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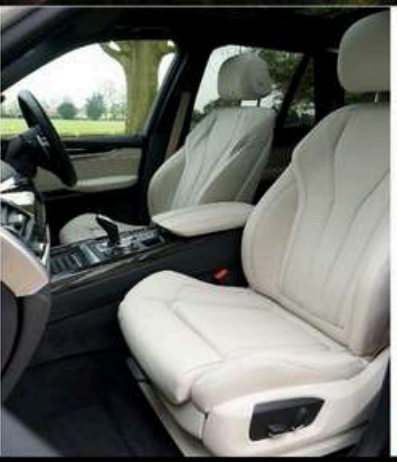

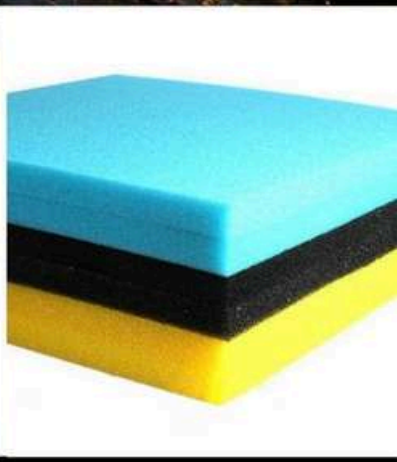

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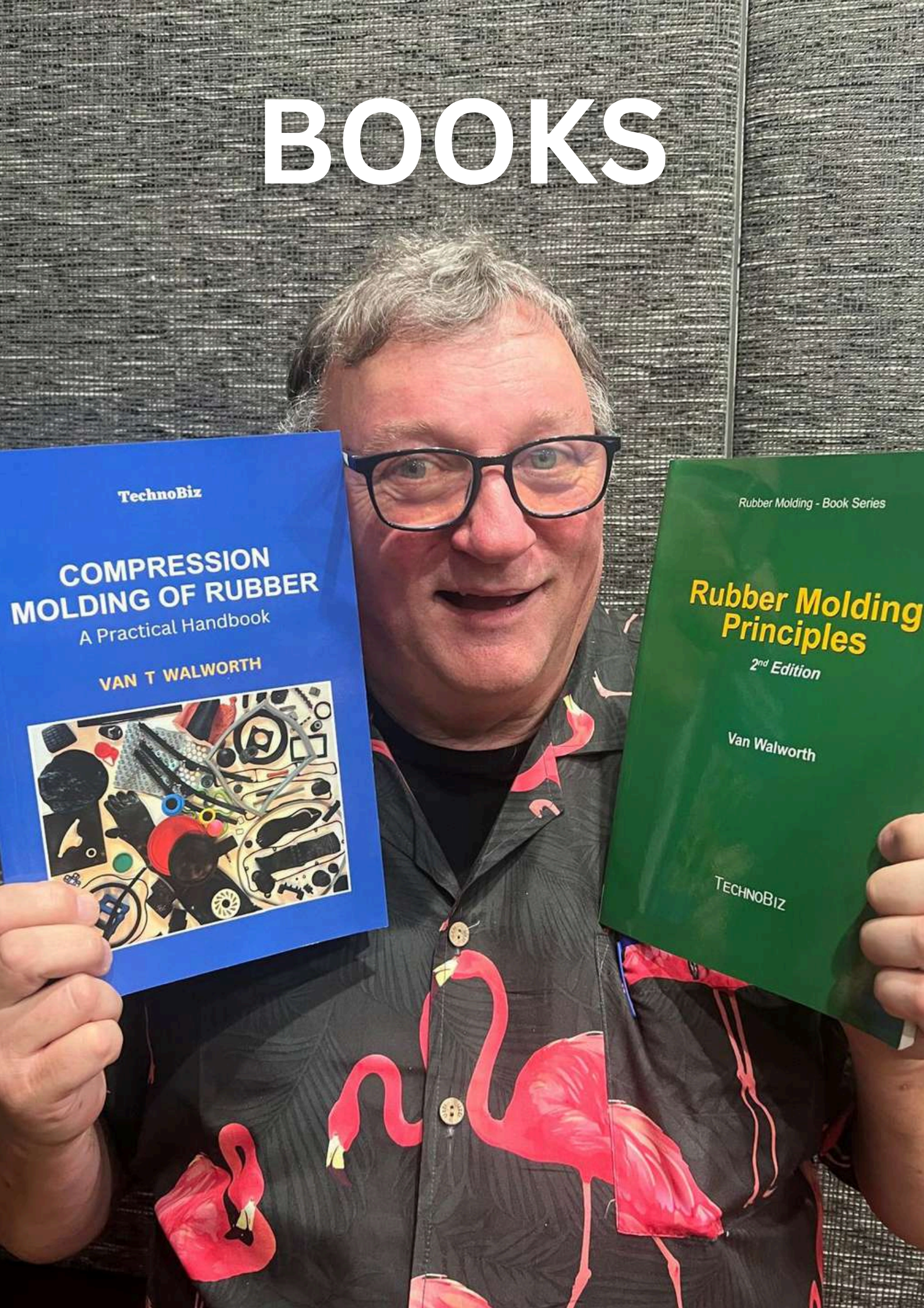
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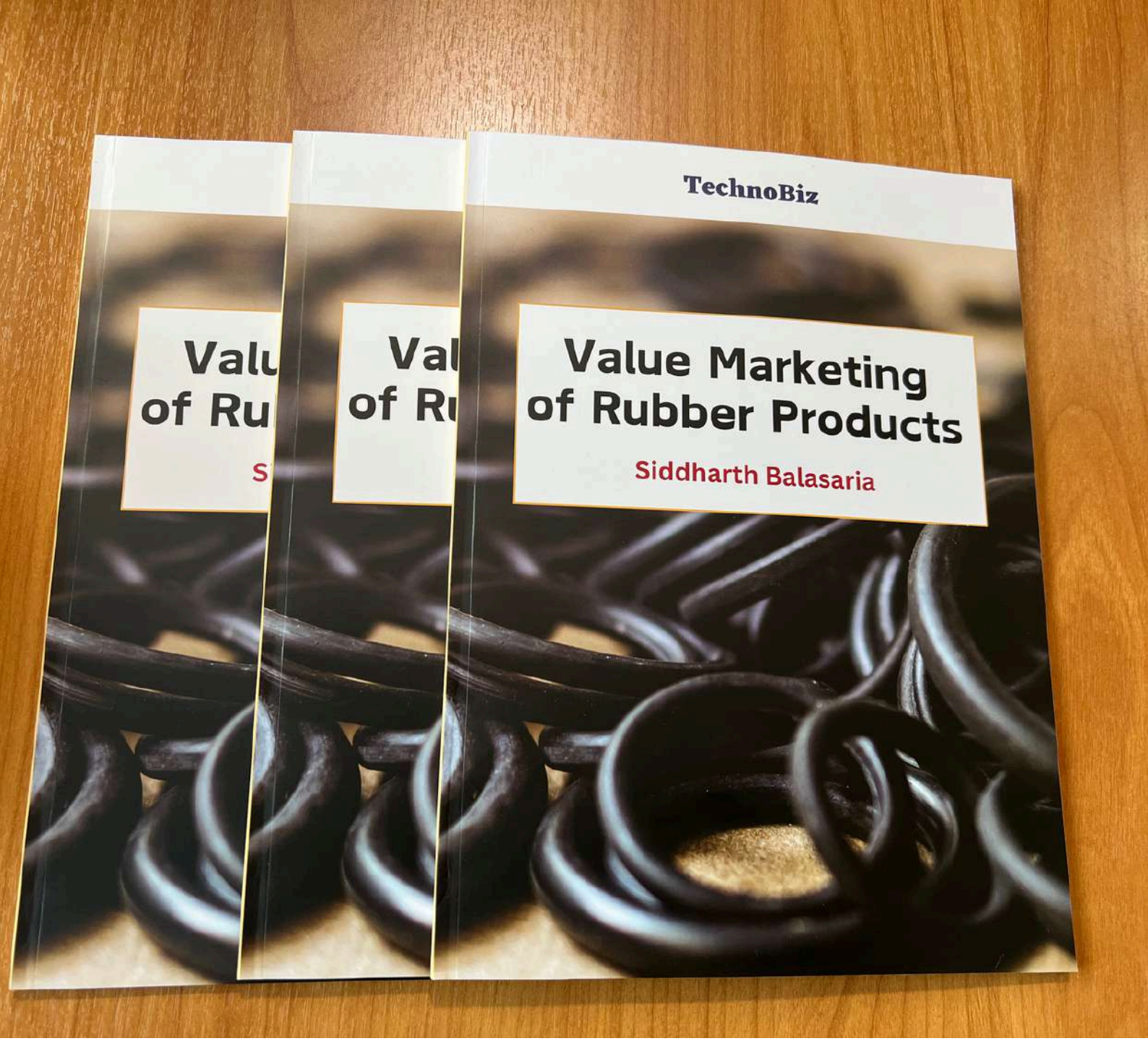

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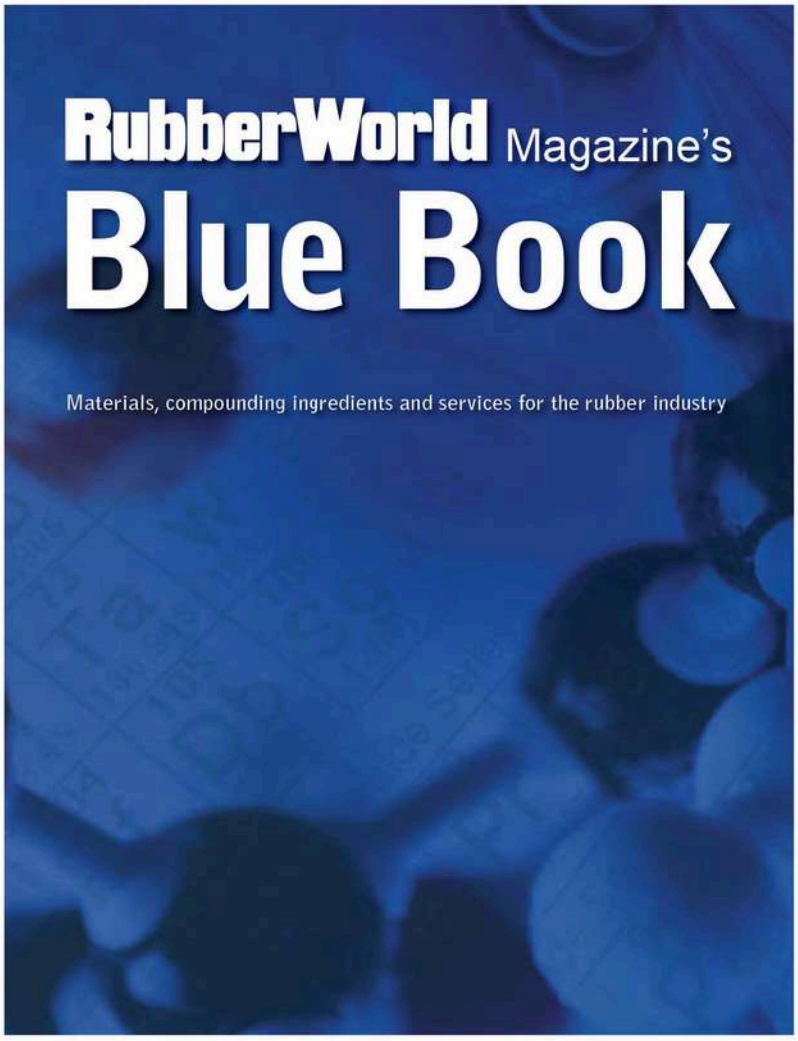

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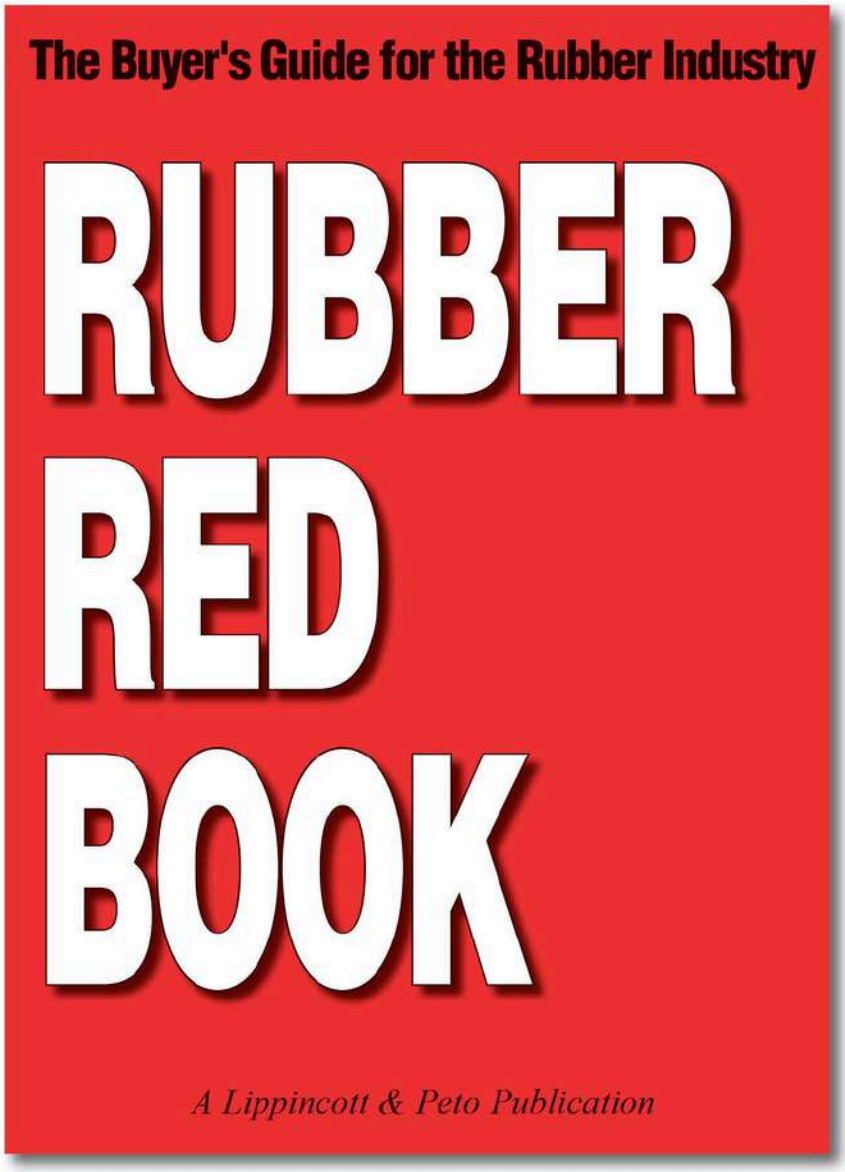

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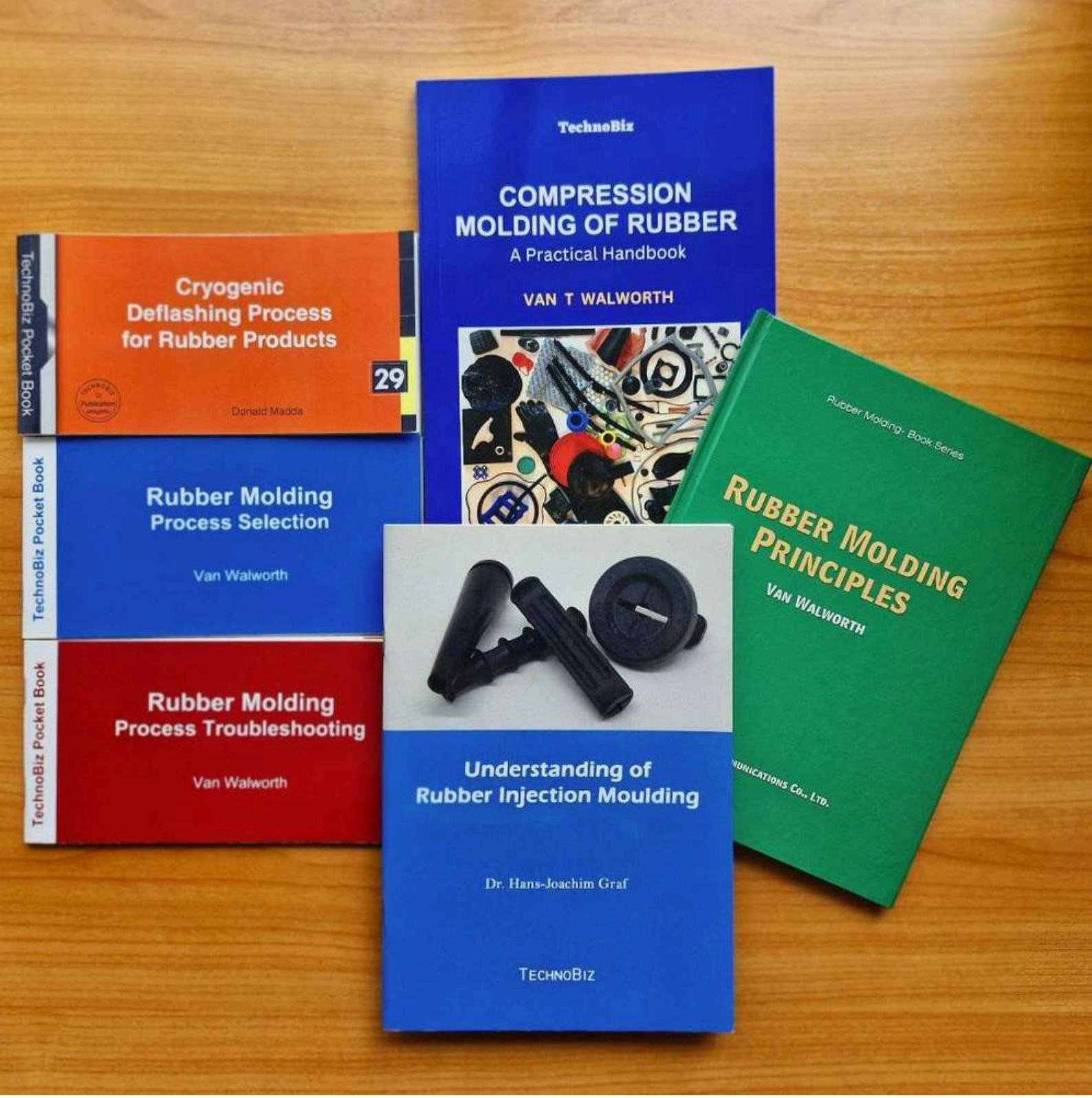

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