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How Putzmeister builds transit mixers in India

Putzmeister India continues to strengthen its position as a leading force in the construction equipment sector. At its advanced Pune manufacturing facility, the company seamlessly integrates German engineering excellence with India's manufacturing capabilities to produce world-class transit mixers designed for performance, reliability, and long-term durability. Since entering India in 2007, Putzmeister has consistently set new benchmarks, becoming a trusted name among builders shaping the nation's infrastructure.

Strengthening growth

As India's construction sector surges forward, Putzmeister remains committed to supporting this momentum with technology-driven, future-ready solutions.

Kanjanabha Bhattacharyya, Managing Director, Putzmeister India, expressed this commitment, stating, "The construction industry in India is experiencing strong and sustained growth, and we at Putzmeister are proud to contribute to this dynamic journey. Our Pune facility represents a significant milestone in serving an expanding market while staying firmly rooted in the core values that define every Putzmeister product—unmatched reliability, exceptional productivity, and long-lasting durability."

Core of strategy

Transit mixers form a crucial component of Putzmeister's long-term strategy in India, enabling the company to deepen market presence and deliver higher value to customers.

Ashutosh Sinha, Business Head – Transit Mixer, Putzmeister India, highlighted the significance of this segment, saying, "Transit mixers are central to our growth vision in India. Our world-class Pune facility has enhanced our capabilities, strengthened our operational momentum, and given us the speed required to meet the evolving needs of the market."

Pune facility

Putzmeister's over 17,000 square-meter Pune facility exemplifies operational excellence, precision engineering, and optimized manufacturing processes. Precision begins with the cutting of high-grade steel sheets, shaped accurately to form the core of the transit mixer drum. Surface preparation through short blasting ensures a flawless finish and adds a protective layer for enduring durability. Every part is precision-fitted, combining meticulous engineering with craft. Rigorous testing ensures performance on site, while chassis integration is customized as per customer requirements.

Multiple layers of quality inspection ensure every bolt and weld meets global standards. A thorough pre-dispatch inspection guarantees zero-defect delivery. Each unit then undergoes a final inspection before it rolls out of the facility—ready for action.

Rajeev Ranjan, AGM Operations – Transit Mixer, Putzmeister India, emphasized the plant's efficiency, stating, "Our facility is structured to deliver consistency and quality at every stage. From cutting to painting, each station is optimized to ensure performance, precision, and reliability throughout the production line."

Performance

The Pune plant features advanced machinery designed to improve both productivity and product quality. This includes a high-speed plasma cutter capable of operating at up to 24 meters per minute, SPM semi-automatic welding systems that ensure uniform strength, and an auto-conveyor grid blaster that eliminates delays in surface preparation.

Airless and assisted paint guns provide an even, high-quality finish, while components are cured in a 120°C drying oven for superior paint adhesion. A 160 kVA DG set supports uninterrupted dispatch operations, and an additional EOT crane enhances safe and efficient material handling.

At the core of this technological ecosystem is a skilled and dedicated team upholding Putzmeister's commitment to excellence.

Aniket Chougule, Assistant Manager – Transit Mixer, Putzmeister India, highlighted customer trust, stating, "Our transit mixers have earned a reputation for their robust design, long-term durability, and efficient mixing performance with minimal maintenance requirements. This reliability is what brings customers back to us time and again."

Infrastructure

From raw material processing to final dispatch, every Putzmeister transit mixer embodies the company's dedication to engineering precision and quality. The Pune facility stands as a testament to Putzmeister's focus on innovation, operational excellence, and global manufacturing standards.

With machines engineered for performance, built for longevity, and trusted across India's construction landscape, Putzmeister continues to power the nation's infrastructure journey with confidence and capability.

WATCH: https://bit.ly/putzmeister-pune

HOW SWELECT IS POWERING SOLAR AND STORAGE INNOVATION

V. C. Raghunath, Director, SWELECT Energy Systems Limited discusses SWELECT's latest technological innovations

SWELECT Energy Systems has long been recognised for its strong technological foundation, reliable EPC capabilities, and sustained commitment to quality. At this year's REI, the company showcased major advancements across TOPCon module manufacturing, energy storage systems, and renewable integration technologies.

In this detailed conversation, V. C. Raghunath, Director, SWELECT Energy Systems Limited discusses SWELECT's market positioning, latest technological innovations, storage solutions, manufacturing expansion, and the broader industry vision for collaboration-driven renewable growth.

How do you see SWELECT's positioning in today's fast-evolving energy landscape?

Technology has played a pivotal role at SWELECT. We always showcase and pioneer our technical competence. We strongly believe in innovation and being at the cutting edge of technology so that our customers and stakeholders benefit from these advancements.

With this continuously evolving industry, staying innovative, technically superior, and consistently bringing the latest technologies to the market is extremely important. That is our focus.

What have you displayed at REI 2025?

This year has been very eventful for us. We are launching our 600 Wp TOPCon bifacial modules, straight off the latest manufacturing line. These modules carry more than 40 quality certificates, including all major international certifications. We are extremely excited and eager to introduce this new product to the market.

On the storage front as well, this year has been very exciting for SWELECT. We have brought a complete range of solutions covering residential, C&I, and grid-stabilization applications. We are truly enthusiastic about launching these solutions at this REI.

Could you explain more about your new storage products?

This is an energy storage application, and storage today is one of the fastest-growing segments, both in India and globally. With more than 30 years of experience in storage, coupled with our strong solar EPC capabilities and continuous innovation, we believe we are very well positioned to make a major impact in this space.

We are one of the few companies offering a complete range of storage solutions — Residential (behind-the-meter), C&I (both behind-the-meter and front-of-the-meter), Grid services (front-of-the-meter, large-scale applications). This full-spectrum offering gives us a strong advantage as the market evolves.

With rising demand for hybrid and rooftop solar, what opportunities do you see emerging in the Indian market?

India has always been a rooftop and decentralized market. Smart grid and off-grid solutions continue to be extremely important and relevant. There is significant scope for OEMs, EPC players, and IPP customers to leverage the vast rooftop space available across the country. We see huge potential for both manufacturers and solution providers in this segment.

What are SWELECT's growth plans for the coming years in terms of capacity expansion, new product lines, or market reach?

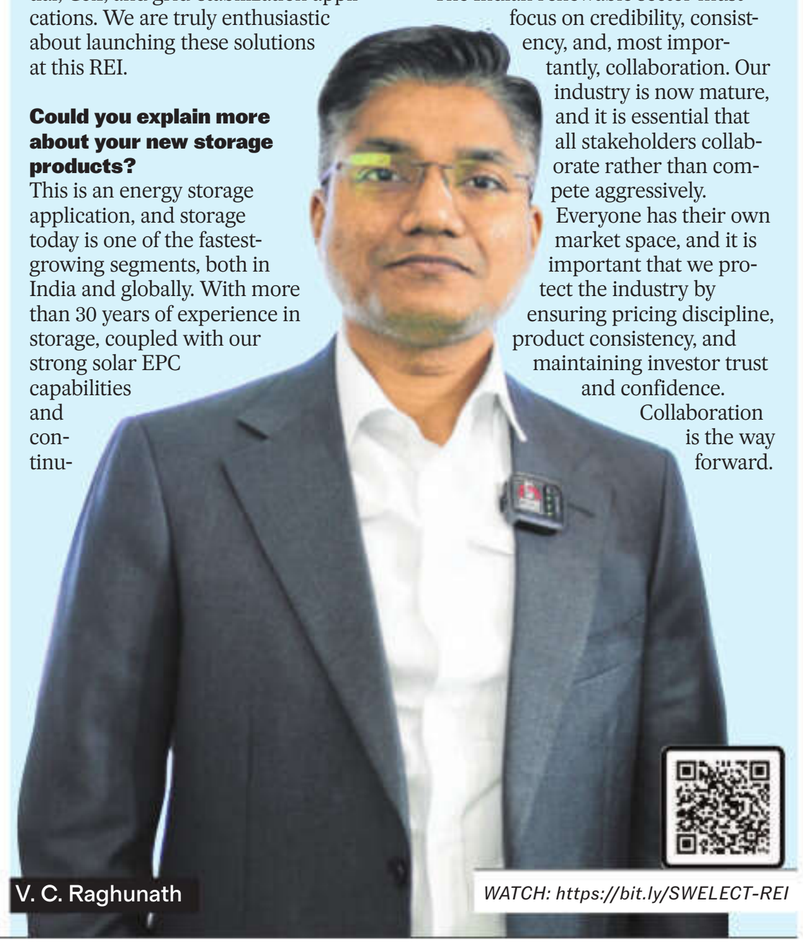
We currently have 1 GW of module manufacturing capacity, and we are adding another 1 GW. Additionally, we plan to set up 1 GW of cell manufacturing.

On the EPC front, we intend to further expand our portfolio. Our IPP portfolio is also expected to reach 1 GW in the coming years.

We are actively working with our finance partners, implementation partners, and technology partners. With the ecosystem strengthening, we are confident about scaling effectively.

What message would you like to share with your partners, customers, and peers in the renewable energy sector?

The Indian renewable sector must focus on credibility, consistency, and, most importantly, collaboration. Our industry is now mature, and it is essential that all stakeholders collaborate rather than compete aggressively. Everyone has their own market space, and it is important that we protect the industry by ensuring pricing discipline, product consistency, and maintaining investor trust and confidence. Collaboration is the way forward.



V. C. Raghunath

WATCH: https://bit.ly/SWELECT-REI

Fasto's accelerating growth story

Manish Gupta, Director – Technical Sales & Marketing, Fasto Adhesive & Sealant Technologies details how the company is expanding its production capabilities

With rapidly scaling manufacturing capacities, a strong R&D backbone, global collaborations, and a deep customer-centric approach, Fasto is positioning itself as one of India's fastest-growing adhesive technology partners for solar, automotive, wind, agriculture, and several other critical industries. In this exclusive conversation, Manish Gupta, Director – Technical Sales & Marketing, Fasto Adhesive & Sealant Technologies details how Fasto is expanding its production capabilities, supporting evolving solar module technologies, driving backward integration, and maintaining rigorous reliability testing standards across applications.

Fasto has emerged as a highly specialised company in adhesive technologies for multiple industries. For a broader understanding, could you explain what Fasto is all about?

Fasto is fundamentally an adhesive technology company. I emphasise the word 'technology' because every adhesive we manufacture becomes an integral part of a technological product — whether it is a solar panel, windmill, BLDC motor, agricultural machinery, medical device, or any other critical equipment.

We work very closely with our clients, understand their exact requirements, and develop customised products for them. Our engagement isn't one-time — we continuously upgrade and redesign solutions as our customers introduce new products or adopt new technologies. Fasto always positions itself as their long-term partner. Today, we are one of the fastest-growing industrial adhesive companies, serving more than eight major sectors, including renewables, industrial machinery, agricultural equipment, tractor manufacturing, submersible pumps, and medical device manufacturing. With renewable energy expanding rapidly over the past 3–4 years, we have aligned significant focus toward solar panel manufacturing.

We currently operate from a large 2-lakh sq. ft. campus and manufacture around 10,000 tonnes of adhesives per year. This capacity is now being doubled. By December 2025, we will be a 20,000-tonnes-per-annum operation. Additionally, we have finalised new capex for FY26, with an investment of USD 2–2.5 million.

What is the key focus of your participation at REI 2025?

Fasto is unique because we not only develop the adhesives — we also provide end-to-end dispensing systems, in collaboration with global machine manufacturers. We design these robots and automated systems, manufacture them, and install them at our clients' facilities. For our customers, we act as a single-point solution provider. At REI, our objective is to meet our existing customers, express our gratitude, explore new opportunities, and understand how we can support them as they expand their manufacturing capacities.

How is Fasto contributing to improving durability and long-term performance?

Reliability is extremely critical — not just for solar, but across every sector we serve. Fasto products become a structural or functional part of the customer's final equipment. To ensure long-term reliability, we have our in-house R&D and quality control systems, equipped with advanced testing equipment. Additionally, we are associated with several international testing labs including TÜV, UL, IEC, and Intertek. Our adhesives undergo all major reliability tests required for solar modules, including - Damp heat, Humidity freeze, and other essential long-term reliability tests. Our focus is always to ensure that Fasto products pass every test and provide the expected durability when they become part of the customer's module. Every formulation we develop integrates reliability as a core design principle.

Could you highlight any new product developments or innovations Fasto is introducing in the solar segment?

As solar panel technologies evolve, their manufacturing cycle times have reduced significantly. Earlier, the cycle time for applying sealants was around 40 seconds — today, it has reduced to 15 seconds. We have upgraded our adhesives to match these faster cycles, ensuring higher productivity for module manufacturers.

Dispensing systems have evolved as well. Earlier, dispensing happened through a single nozzle. Now, most lines require dual-nozzle or multi-nozzle systems. To support this shift, we have upgraded both our adhesives and dispensing solutions to enhance overall plant productivity.

WATCH: https://bit.ly/fasto-m4i

Manish Gupta

POM Power unveils 'Magic Box'

I. B. Rao, Managing Director of POM Power, on the company's focus, growth, and more

POM Systems & Services, widely known as POM Power, is recognised for its highly reliable inverters, hybrid solutions, and power-control technologies that support the solar and energy-storage ecosystem. At REI, the company introduced its innovative new product, the 'Magic Box', tailored specifically for the Indian market, shared I. B. Rao, Managing Director of POM Power. Below are excerpts from his interview:

What is the key focus of your participation at REI 2025?

This year, we have introduced several important new products. The first is our latest innovation called BESS with PowerSync, designed for industrial applications up to 1 MW. PowerSync is a completely new concept — it can connect multiple power sources and deliver uninterrupted power to loads without any break. In addition, we are launching IP66 hybrid inverters that stand out from anything currently available in the market. These come with full ESS functions, are completely programmable, and are offered in capacities ranging from 3 kW to 50 kW. We are also introducing new on-grid inverters that comply with the latest BIS certifications, which have become mandatory since July. Beyond inverters, we are showcasing our certified 180 kW EV charger, which received certification and is being exhibited at both the Battery Show and the Renewable Energy India Expo, where we have two separate stalls.

How is POM Power differentiating itself in a highly competitive market?

We do not participate in the price-driven rat race. Our focus is on delivering quality products with quality specifications. Every specification we commit to is met with high efficiency and high reliability.

Our approach is simple — we prefer doing good business rather than just big business. Our products are engineered for long life, better efficiency, and strong reliability, which ultimately creates long-term value for our customers.

How is your international outreach progressing?

We are actively working with several countries to promote our products. As you saw, we recently received an award from the Dubai government. Our engagements span across the Middle East, Africa, Australia, and South America, and we are receiving a significant number of enquiries from these regions. Entering new markets takes time, but our global expansion efforts are progressing steadily.

Are you introducing new products or upgrades this year to meet market needs?

Yes. As mentioned, our major new product is BESS with PowerSync, which we also call the 'Magic Box'. It is entirely new to the Indian market, and to my knowledge, no competitor in India — or even countries like China — is offering something similar. We are also developing advanced hybrid inverter applications and several other solar-related power products. Our work extends beyond hardware — we are investing heavily in software and enhanced communication systems for all our products to offer smoother integration and smarter functionality.

What major trends or challenges are shaping solar inverter segment?

The solar industry in India is expanding at a tremendous pace, and everyone is experiencing strong business growth. There will be substantial repeated demand for many years — possibly the next 10 years — driven by replacements and technological upgrades.

Panels come with a 25-year warranty, but inverters typically have 5–10-year warranties, so replacement cycles are inevitable. The major challenge today is the stringency and cost of BIS certifications. These are becoming increasingly strict and significantly expensive. For example, proper BIS certification for BESS or energy storage systems can cost USD 1–2 million. This applies to both hybrid inverters and other products, and compliance requirements will only intensify in the future.

What message would you like to convey to customers and partners?

My request to all partners and integrators is simple — do not prioritise low cost over quality. Choose good products that protect your customers. Solar systems are long-term investments. If someone installs a low-cost solution and the manufacturer disappears later, the end-user suffers. Unfortunately, we are seeing many such complaints. Stakeholders must assess the manufacturer's credentials, and ensure long-term reliability before offering solutions to customers. Consumers must be protected — that should be the priority.

WATCH: https://bit.ly/pom-power-m4i

I. B. Rao