

Emerging Innovations:

- High-performance polyurethane adhesives
- Reactive hot-melt systems
- Fast-curing technologies
- Adhesives compatible with recycled materials

These advancements support:

- Lightweight and high-performance materials
- Enhanced durability and flexibility
- Smart footwear integration

“Innovation in adhesives is unlocking new dimensions in footwear performance and design.”

Automation: Transforming Manufacturing

Automation is redefining footwear production with precision and efficiency.

- Robotic adhesive dispensing systems
- Enhanced durability and flexibility
- CAD/CAM-based design and manufacturing
- Automated cutting and assembly systems
- Smart production lines with real-time monitoring

Benefits:

- Uniform adhesive application
- CAD/CAM-based design and manufacturing
- Reduced material wastage
- Improved product consistency
- Faster production cycles

“Automation ensures that every drop of adhesive delivers precision and performance.”

Adhesives have become a strategic pillar of modern footwear, bridging innovation, efficiency, and sustainability. As technology advances, their role will only deepen, shaping the future of footwear design and manufacturing.



“WE ARE ON EARTH TO TAKE CARE OF LIFE. WE ARE ON EARTH TO TAKE CARE OF EACH OTHER.”

— XIYE BASTIDA



Mr. Sumit Fernandez
Senior Faculty II
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Mr. Sumit Fernandez has done his Management in Footwear Technology from FDDI Noida and is currently associated as a Senior Faculty (Grade II) at School of Footwear Design and Production, FDDI since 2012.

He is having more than 25 years of working experience spanning both academics and industry. He has worked with leading organizations like Liberty, SSIPL, Euro Footwear, IPCC-Reebok etc. and has also been associated with consultancy projects in Ethiopia.



Mr. Brijesh Sharma
Manager-technical
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Atul Ltd. (Polymers-Retail business)

Mr. Brijesh Sharma holds a qualification from the Central Footwear Training Institute (CFTI), in collaboration with the Textile Institute, U.K. He is currently working as Manager-Technical Services (Footwear adhesives specialist) at Atul Ltd. (Polymers- Retail Business) since 2024.

With over 25 years of extensive experience in footwear manufacturing and the footwear adhesives industry. Throughout his career, he has provided technical expertise, driven sustainability initiatives, introduced innovative solutions and led process simplification projects. He has also closely collaborated with international and premium domestic brands including Nike, Adidas, Reebok, Puma, Asics, Liberty and Campus.