

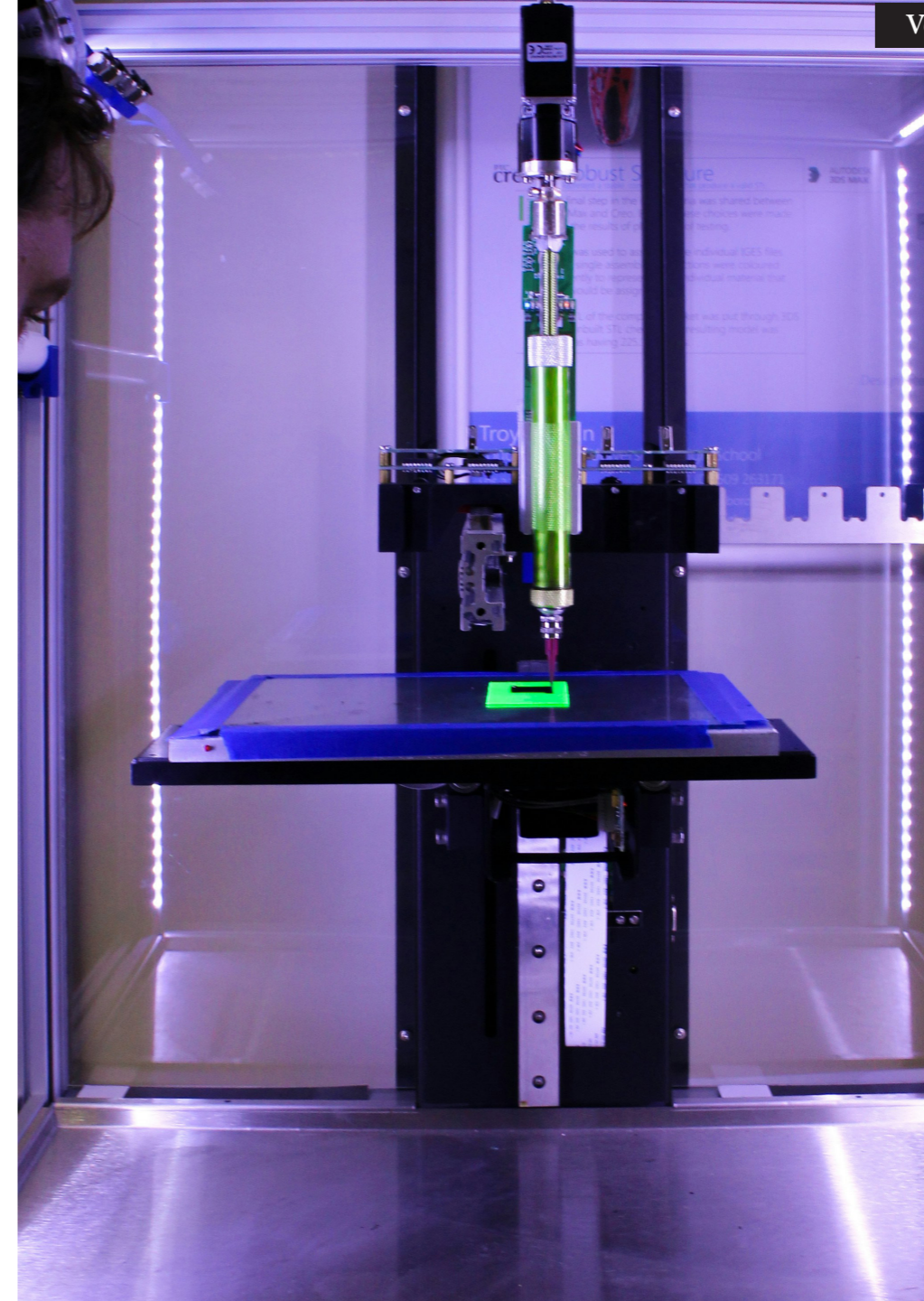
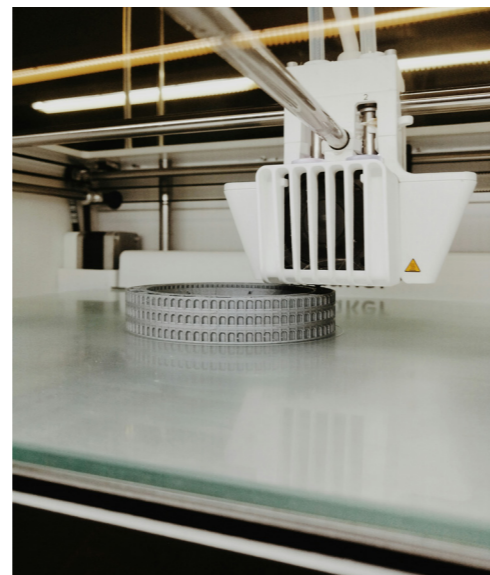


Footwear designing software are specialized systems developed specifically for the footwear industry. They support complete 3D shoe visualization, pattern engineering, grading, costing, and technical documentation. Designers can sketch directly on the last, apply materials and textures, and generate both 3D models and 2D patterns from the same dataset. Many systems also include material and component libraries, automatic report generation, and integration with ERP systems, ensuring that any design or material change is automatically reflected in costing and reports. Here are some of the software for Footwear Designing.

- **Romans CAD:** This software is developed by Strategies, France. Strategies develops and markets the Romans CAD Software©™ Digital Platform dedicated to the footwear, leather goods, and soft materials industries. More information is available at <https://www.romans-cad.com>
- **iCAD 3D+:** This software is developed by INESCOP, Spain. ICad3D+. It is footwear design and pattern engineering that integrates into a single program with two different environments. 3D design and 2D patterns, which works in parallel and simultaneously. More information is available at <https://www.icad3dplus.com/>

- **Shoemaster:** Shoemaster offers comprehensive 2D and 3D solutions for shoe design, engineering, and manufacturing. Originally developed in the 1970s within Clarks Shoes' R&D department, now Owned by Atom, Italy. They have solutions for 3D Design and 2D pattern Engineering etc. bundled as Design, Engineer, Patterns etc., More information is available at <https://atom-shoemaster.com>
- **Mind Shoe Design:** This software is developed by Mind Technology, Portugal. Designed to make shoe design in full 3D, very similar to drawing using conventional 2D tools. This has both 3D and 2D software and Technical file generation. More information is available at <https://mindshoedesign.pt/product>
- **Procam Dimensions:** This software is developed by Procam Software, Systems & Services, Austria that specializes in software and system solutions for the footwear industry. Dimensions is a 3D and 2D software and GDM is a Graphical Documentation software is used for Product Data Management applications. More information is available at <https://www.procam-software.com>

- **FTWkit:** FTWkit is a plugin suite for Rhino designed specifically for footwear development, from Italy. It has 2D/3D design (Botcha), pattern engineering (Jevero), and cost/material management (Jevero Cost). More information is available at <https://ftwkit.com/>
- **Caligola:** From Comelz, Italy, offering CAD/CAM systems, nesting tools for footwear and leather goods. CALIGOLA is a 2D pattern engineering software, ST PLUS is costing for footwear and leather goods. More information is available at <https://www.comelz.com/en/products/software/>
- **Naxos:** This is developed by TESEO SpA, Italy, which provide solutions for both 3D design (PRAGMA) and 2D pattern engineering (Naxos)



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Mr. A.V. Suresh holds an M.Tech in Footwear Science & Engineering and a B.Tech in Mechanical Engineering, with over 28 years of experience in academics, production, footwear software and technologies, process enhancement, and CAD/CAM/CNC-based design engineering.

He has worked with Avanti Leathers Ltd., Andhra Pradesh; Sriram Polytechnic, Chennai; CFTI, Agra; NIFT, Chennai; and Delcam Consulting & Technology Services (Autodesk), Pune. Currently, he is serving as a Senior Technical Consultant at Romans CAD (Strategies, France), Pune.

[ The information in the article is taken from the Book "ABC of Footwear Technology" written by both the authors featured in this article. ]

EXPERT TALK



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Mr. Varun Gupta is a postgraduate in Footwear Designing & Production Management with over 23 years of experience in the footwear industry and academia. He has worked with leading organizations including TATA International (Dewas), Sagari Leathers (Agra), and KIWI Enterprises (Gurugram), and has served as an International Consultant in South Africa and Botswana.

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