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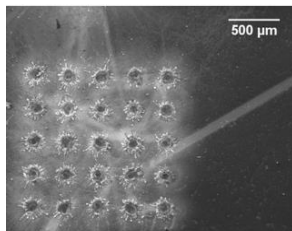
Research Interests

- Conventional and Non-conventional Machining
- Laser Surface Treatment
- Additive Manufacturing
- Composite Fabrication and Machining.

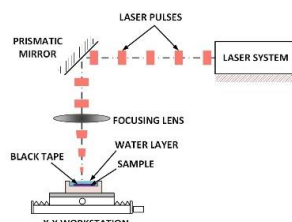
Brief Summary of Research

Kanmani Subbu S. has published 60 research papers in refereed international journals and conferences. He has guided and graduated 1 PhD student, 13 M. Tech students and 13 B. Tech students. He has conducted 2 GIAN workshops and 2 national level short terms courses. He is reviewer for many peer reviewed International Journals. He is member of an IEI and ISME, India.

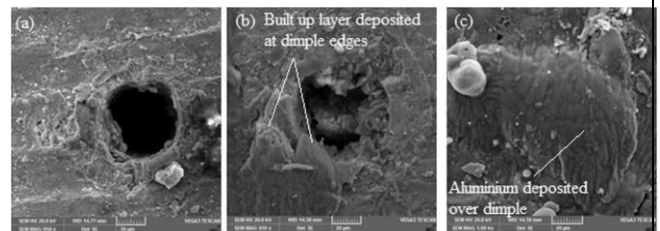
Overview of Research



Laser Surface Texturing



Laser Shock Peening



Laser textured cutting tool after machining

Projects

- “Micro Electric Discharge Milling of Metal Matrix Composite Fabricated by Ultrasonic Probe Assisted Stir Casting”, DST-SERB-ECR, Rs. 35,75, 000, 2017 – 2020.

Recent Publications

- A.N. Jinoop, **S. Kanmani Subbu**, C. P. Paul, and I. A. Palani, *Post-Processing of Laser Additive Manufactured Inconel 718 Using Laser Shock Peening*, International Journal of Precision Engineering and Manufacturing, 2019.
- Bhim Singh, Roshan Sasi, **Kanmani Subbu S.**, and Murlaidharan, *Electric Discharge Texturing of HSS Cutting Tool and its Performance in Dry Machining of Aerospace Alloy*, Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2019.
- Murlaidharan, H Chelladurai and **S. Kanmani Subbu**, *Investigation of Magnetic Field and Shielding Gas in Electro-discharge Deposition Process*, Proc. ImechE Part C: Imech E J Mechanical Engineering Science, 2018.