

“LOW COST ALTERNATIVE POLYMER ABRASIVE MATERIAL FOR FINISHING APPLICATIONS”

Description of technology

- This invention is an alternative to the exorbitantly priced polymer abrasive material for finishing applications.
- It is consumable and environmentally sustainable.
- The Abrasive Flow Machining (AFM) process has emerged as an important non-traditional metal finishing process mainly on difficult to reach surfaces and is increasingly being utilized by industry.

Key features of the technology

- It is low cost formulation.
- Eco-friendly in nature.
- Used for finishing internal as well as external, surfaces sensitive industrial components

USP & Competitive advantages of the technology

- The process has found applications in a wide range of fields such as aerospace, defence, and surgical and tool manufacturing industries

Development status: Formulation is ready

Intellectual Property status: 2 Patents have been Granted, Patent Number: 315692, 380679

Type of collaboration and collaborator invited

‘Seeking partners for out-licensing the technology for commercialization’.



Automotive industry



Medical implants



Aerospace industry



Tool & Die industr



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