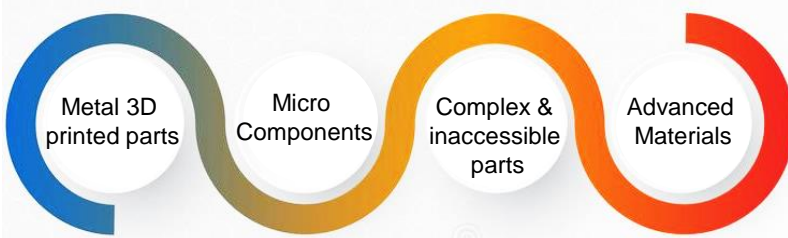


AFFM 75D

*“A smart technology solution for
super finishing, deburring & radiusing”*

μ AFFM-75 is ideally suited for super finishing, deburring & radiusing of metallic components with complex geometry, micro features and inaccessible areas of critical components. μ AFFM-75 is economical and viable finishing solution for MSME. The system is ergonomic, user friendly with easy maintenance design with automated controlled smart system and an alternate to conventional finishing techniques.

Applications



Salient features

Smart process monitoring

Advanced finish process capability

Compact & economically viable system

Indigenous media development

Eco friendly disposal technique of used media

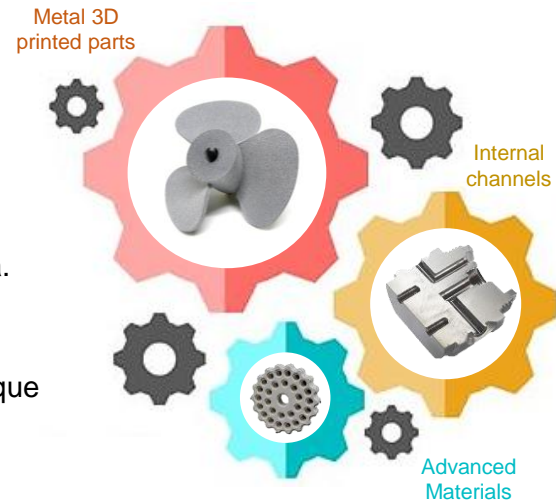


Technical Specifications :

Specification	Parameters	Values
Machine Dimensions	W X D X H	720X720X2100 (mm)
	Foot print of Machine with utilities (W X D X H)	2500 X 2500 X 2500 (mm)
	Working table height	1050 (mm)
	Machine weight	800 (Kgs)
Media cylinder capacity	Media cylinder diameter	75 (mm)
	Media stroke length	250 (mm)
	Media cylinder fill capacity	1.2 (Ltrs)
	Media cylinder cooling capacity	10-20 (Deg C)
	Extrusion pressure range	0.5-10 (MPa)
	Flow rate (Max)	8 (lpm)
Clamping range	Minimum & Maximum clamping (Without work holding fixtures)	0-280 (mm)
Controller	Mini PLC- HMI Based	Touch screen with Panel switches
Polymer media	Visco-elastic abrasive laden polymer With eco disposal technique	Synthesized PDMS based carrier media
Smart monitoring system	Real time temperature monitoring	0-100 (Deg C)
	Real time system extrusion pressure	0-10 (MPa)
	Auto tank level indicator of HPP	0-40 (Ltrs)

Capabilities :

- Micro/Nano Finishing, deburr/ radiusing ID and OD.
- Finishes inaccessible areas & complex internal passages.
- Temperature control system of abrasive laden polymer media.
- Simultaneous processing of multiple passages.
- Indigenous synthesis of polymer media & eco disposal technique
- Smart process monitoring.



For Details Contact

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