Times of India (Indore), 03rd August 2025, Page-02

IIT-I transfers advanced micro 3D printing tech to industry

TIMES NEWS NETWORK

Indore: The Indian Institute of Technology Indore has transferred advanced micro-additive manufacturing technology developed in its laboratory to an Indore-based industry, a move expected to boost technological advancement in homegrown industries and aid firms in expanding their reach to a wider customer base.

IIT Indore licensed a micro 3D printer based on "Laser Decal Transfer (LDT) based μ-3D Printer" technology to VFUse Metal Pvt Ltd. The advanced technology will assist in producing highly precise micro 3D prints using thin-film feedstock and high material efficiency.

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A team of researchers from the department of mechanical engineering at IIT Indore developed the technology, including Professor Palani Iyamperumal Anand, Professor Vipul Singh, Dr Anshu Sahu and Krishna Tomar.

Professor Suhas S Joshi, director of IIT Indore, said, "This technology transfer reflects IIT Indore's commitment to pushing the boundaries of research and ensuring that our innovations create real impact in society. We are proud to see our faculty's work moving from the lab to industry."

The institute stated that the technology's ability to produce structures at the micron scale makes it a valuable tool for industries that demand precision.

Professor Abhirup Datta, dean of Research and Development, added, "This collaboration shows how focused efforts in research and innovation can lead to strong industry partnerships. We are continuously working to translate IIT Indore's cutting-edge technologies into valuable commercial solutions."