



DST institute signs MoU for collaborative technology development for strategic and high-performance engineering applications

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A new Memorandum of Understanding (MoU) between an autonomous institute of the Department of Science and Technology (DST) and industry will help collaborative development and demonstration for technologies related to advanced manufacturing and materials technologies relevant to strategic and high-performance engineering applications.

The MoU was signed between the International Advanced Research Centre for Powder Metallurgy and New Materials (ARCI), an autonomous research and development centre under the Department of Science and Technology (DST), Government of India, and Raghu Vamsi Machine Tools Pvt. Limited, Hyderabad.

The MoU establishes a structured framework for cooperation between the two organisations, enabling joint efforts in technology development, product demonstration, and application-oriented research, along with effective utilisation of ARCI's specialised facilities under the Government Owned Company Operated (GOCO) model. The collaboration also encompasses intellectual property generation, knowledge transfer, and mechanisms to facilitate the transition of research outputs towards industrial deployment.

The scope of collaboration covers advanced manufacturing and surface engineering domains, including laser-based processes, additive manufacturing, precision machining, high-performance materials processing, and associated testing and evaluation activities. These areas will be pursued based on mutual interest and evolving requirements, with flexibility to expand the scope as the collaboration progresses.

The partnership reflects a shared commitment to strengthen industry-R&D linkages and enhance indigenous technological capabilities. By combining ARCI's research expertise with industry-driven application and manufacturing perspectives, the collaboration aims to support the development of reliable, scalable, and industry-ready solutions, contributing to India's objectives of self-reliance in advanced manufacturing and strategic technology sectors.



Fig: MoU exchanged between ARCI and Raghu Vamsi Machine Tools Pvt Ltd

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