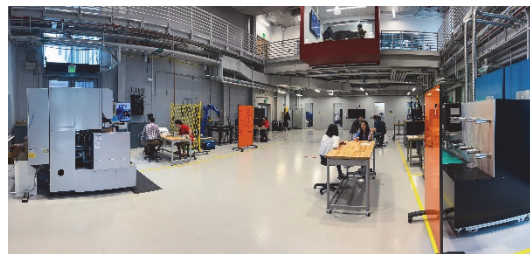


New Jersey Advanced Manufacturing Institute (NJAMI)



NJAMI

The vision of NJAMI is to serve as a national nexus point of the public-private innovation ecosystem in AI manufacturing. Three core objectives of this Fraunhofer-style AI Manufacturing Institute are to support fundamental research, engage the manufacturing industry, and foster education and workforce development at the intersection between AI and advanced manufacturing. Our interdisciplinary and synergistic team (20+ faculty) has four research thrusts including advanced manufacturing, sensing network (e.g., 5G), machine learning, and advanced control. The ongoing research projects have broad impacts on aerospace, healthcare, tooling, automotive, energy, and materials industries. The state-of-the-art machine tools, metrology equipment, and materials testing facilities in the 3,000 ft² NJAMI offer excellent opportunities for meeting our core objectives.

NJAMI-Industry Partnership

NJAMI engages industry partners, in particular small and medium-sized manufacturing enterprises (SMEs), through three different mechanisms to adapt to the latest innovative manufacturing technologies and best practices.



Seize the Opportunity: Join the NJAMI community

Membership in the NJAMI community will provide partners with access to the latest research results and sophisticated technology infrastructures. Community membership enables participants to conduct joint and individual research projects with or without the involvement of other partners.



Take Part: Initiate new projects with NJAMI fellow community members

Partners are free to use the results of the NJAMI research and development projects either in conjunction with other partners or exclusively for their own company. Partners can test their own manufacturing solutions in the existing NJAMI

pilot testbeds, effectively expanding the performance range of the test environment. It is also possible to create additional testbeds that are customized to their specific needs and requirements.



Take Action: Start partners' corporate projects

NJAMI developments may also be individually realized and implemented in a partner's company. Partners are free to base any such project on insights and developments of the NJAMI that can be customized – by us and other technology providers from the community – to the specific needs and requirements of their business.

NJAMI Value for Industry

- Access to leading research programs and experts at Rutgers and the nation's most advanced AI manufacturing institute.
- Providing industry with use cases and confidence needed to invest in AI manufacturing.
- Opportunities to significantly improve productivity, quality, flexibility, and sustainability while reducing cost using new AI technologies.
- Advanced first-hand briefings of key technological breakthroughs and their relevance and assimilation into production.
- Advanced access to IP and options for accelerating implementation into production either autonomously or through NJAMI partnerships.
- Access to state-of-the-art equipment, software, and facility infrastructure to test next-generation technologies and programs.
- Share the best practices within an ecosystem consisting of SMEs and large businesses.
- Early access to the next generation of AI-savvy manufacturing workforce through summer interns, certificates, and apprenticeships.