

Industrial CT Scanning and Analysis Services



THE
MANUFACTURING
COLLABORATIVE

Non-Destructive Testing for
Qualification, Inspection,
Failure Analysis,
Research and Development

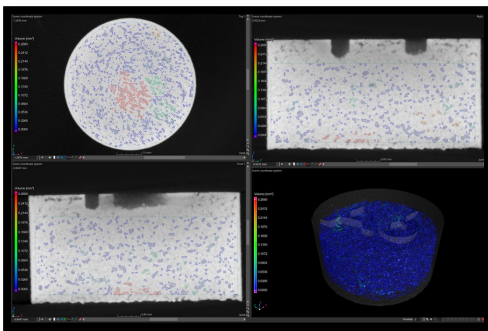
Your Challenges

- Hidden Defects in Complex Parts
- Traditional imaging (e.g. 2D X-rays) misses critical internal details
- Slow Problem-Solving in R&D and Failure Analysis
- Difficulty Measuring Complex Geometries



Benefits of CT Scanning

- **Reveal hidden defects early:** Find internal voids, cracks, or porosity before they cause failures
- **Micro-level detail:** High-resolution 3D X-ray scans reveal tiny features and hidden composition not visible with standard techniques
- **Deeper insights:** Virtually slice and analyze your object from any angle to validate hypotheses and uncover new findings
- **Accelerate development cycles:** Use fast, comprehensive 3D X-ray scans of prototypes to refine designs quicker
- **Reduce waste and rework:** Validate part integrity non-destructively, cutting down on scrap
- **Metrology and defect detection:** Meet quality standards with thorough, traceable 3D inspection data for every critical component



Contact us today to
schedule a CT scanning
consultation

contact@TheMfgCollaborative.com



Scan the QR Code to learn
more

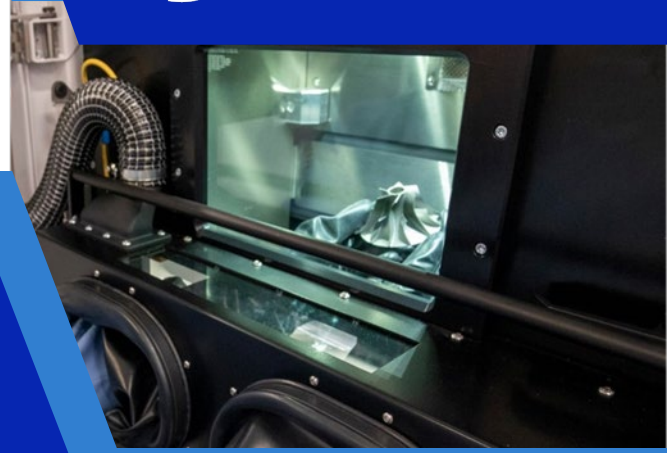
www.TheMfgCollaborative.com

Accelerating Industry, Inspiring Learners



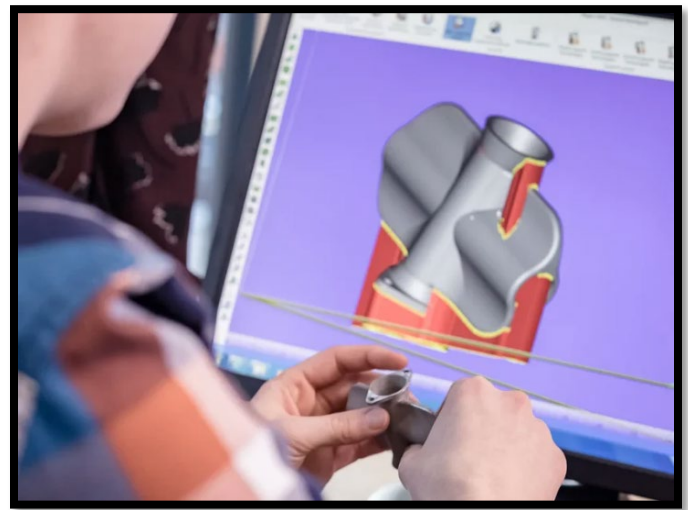
THE
MANUFACTURING
COLLABORATIVE

Helping businesses thrive by making advanced manufacturing technology accessible and developing the highly-capable workforce to support it.



Manufacturing Services

- Digital engineering / digital design
- Design for manufacturability
- Rapid prototyping
- Product testing and metrology
- Short run production



Technical Training

- Hands-on experience with advanced technologies
- Practice on real world industry problems
- Demonstrable skills for career development
- Customized training

Technology Integration Services

- Technology adoption and integration
- De-risking and demystifying equipment investment
- Access to advanced technologies

Contact us to learn more



THE
MANUFACTURING
COLLABORATIVE

contact@TheMfgCollaborative.com



An Initiative of
Vermont State University



www.TheMfgCollaborative.com