

Definition of Measurement Science

The term measurement science is used in the context of creating **critical-solution enabling tools – metrics, models, and knowledge** – for U.S. manufacturers.

This includes:

- **Development of**
 - **Performance metrics**
 - **Measurement and testing methods**
 - **Predictive modeling and simulation tools**
 - **Knowledge modeling**
 - **Protocols**
 - **Technical data**
 - **Reference materials**
 - **Artifacts**
- **Conduct of inter-comparison studies and calibrations**
- **Evaluation of technologies, systems, and practices, including uncertainty analysis**
- **Development of the technical basis for standards, codes, and practices**