



# Mechanical Aptitude Test

## NTMA's Mission Drives Our Focus on Workforce Development

NTMA's mission is to help members of the U.S. precision custom manufacturing industry achieve profitable growth and business success in a global economy through advocacy, advice, education, networking, information, programs, and services.

NTMA has developed *NTMA-U* content to fulfill the related instruction component of apprenticeship programs for roles within precision machining. This online program consists of modules developed for precision machining and related occupations, by industry experts. Modules are supported by an up-front online mechanical aptitude test.

## Assessing Potential and Ensuring Appropriate Placement

An important first step in hiring, training or promoting individuals is to assess current capabilities and knowledge.

NTMA has developed an **online mechanical aptitude test (MAT)** that assesses understanding of basic mechanical principles, along with the applications of those principles to everyday shop situations. This test is appropriate for candidates that will work with, around, or on manufacturing equipment. These types of tests are routinely given to candidates applying for a technical position. Each section of this test ranges from 20-25 questions, and from 20-25 minutes. **The entire test must be completed in one sitting.** The testing can be done at a time and location that best suits the employer and candidate, although we recommend that the test be proctored at an employer's location. Results can be provided immediately, and can be broken down by section (below), if desired.

- Mechanical and Spatial Relations
- Mechanical Reasoning
- Applied Mathematics
- Theoretical Reasoning

We recommend that potential hires achieve a score of 66% or higher, but each company can set its own standards. The test can also be used to accelerate a new student beyond the first semester of the program.

## Pricing

Members can purchase one test for \$40. When buying 10 or more tests, the price drops to \$30 each. Non-members can purchase any number of tests for \$150 each.

## Contact Us

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