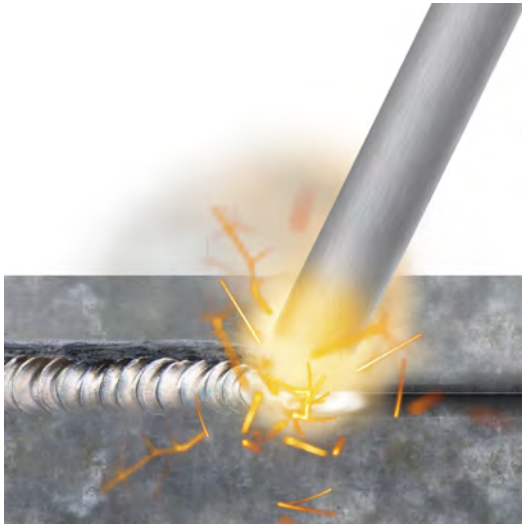


DESTRUCTIVE METALLURGICAL TESTING

eLearning courses designed to increase productivity and profits



Learning made Simple, Visual, and Interactive

Destructive Metallurgical Testing is an introduction to the various types of destructive metallurgical tests, the underlying principles behind each test, the steps involved, and the advantages and disadvantages of each testing method.

Presented in THORS' highly visual and interactive format, this course will help the learner become familiar with the equipment and terminology associated with metallurgical testing used in their professions.

Credit Hours **1**

Learning Objectives

- 💡 Recognize some of the most important metallurgical properties.
- 💡 Recall basic terminology and phrases associated with metallurgical testing.
- 💡 Recognize the advantages and disadvantages of the different types of destructive metallurgical testing.
- 💡 Identify the metallurgical test that is suitable for the test material and condition.

Table of Contents

I. Mechanical Properties Review

- Hardness
- Strength
- Ductility
- Toughness
- Machinability
- Weldability
- Formability
- Hardenability
- Wear Resistance

II. Hardness and Microstructure Testing

- Hardness Testing
- Micro-Hardness Testing
- Microstructure Testing

III. Strength and Hardenability Testing

- Tensile Testing
- Toughness Testing
- Hardenability Testing

