What is the definition of Hastelloy?

What is the definition of "Hastelloy"?

A superalloy made predominantly of nickel and various percentages of other elements. Hastelloy is designed to withstand high-temperature and high-stress environments in which corrosion-resistance is paramount to performance.

Learn more about *Hastelloy* in the class **Hard Turning 315** below.

Metal Cutting Training

Class Information

Tooling U classes are offered at the beginner, intermediate, and advanced levels. The typical class consists of 12 to 25 lessons and will take approximately one hour to complete.

Class Name:	**Hard Turning 315**
Description:	This class covers hard turning, including its advantages when compared to grinding and strategies for successful implementation.
Prerequisites:	200200 200220
Difficulty:	Advanced
Number of Lessons:	15
Language:	English, Spanish

Below are all the competencies and job programs that contain the class **Hard Turning 315**. Job programs are our traditional class lists organized according to common job functions. Competencies are our latest job-specific curricula that help tie online learning to practical, hands-on tasks.

Click on any title to view its details.

Competencies

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Class Outline

Objectives
What Is Hard Turning?
The Advantages of Hard Turning
Typical Workpiece Characteristics
Tool Specifications
Machine Specifications
Overhang and Rigidity
The Machining Elements of Hard Turning
The White Layer
Coolant and the Type of Cut
Coolant and Depth of Cut
ID Hard Turning
The Challenges of Hard Turning
Grinding v. Hard Turning
Summary

Class Objectives

Define hard turning.
Describe the advantages of hard turning.
Identify typical workpiece characteristics for hard turning.
Describe tools used for hard turning.
Identify ways to increase the rigidity of a machine.
Describe the relationship between overhang and rigidity.
Describe the machining elements of hard turning.
Describe the white layer.
Describe how the type of cut influences the use of coolant.
Describe the use of coolant during hard turning.
Identify proper strategies for ID hard turning.
Identify common challenges of hard turning.
Identify when hard turning is the best strategy compared to grinding.

Class Vocabulary

Vocabulary Term	*Definition*
Air Passes	A cut on a lathe during which there is no depth of cut on an infeed. No cutting occurs during air passes, or skim passes, which can result in rubbing.

http://www.toolingu.com/definition-200315-83167-hastelloy.html