



Solidworks Essentials

Course Description

This course provides a comprehensive understanding of lasers applied to marking, from basic principles to practical applications and specialized maintenance. Participants will gain knowledge of the operation and essentials of lasers, explore laser-matter interaction, specific marking applications and learn safety practices. In addition, they will focus on the maintenance of fiber lasers, including necessary care. Upon completion, students will be equipped with skills to apply and maintain laser marking systems, consolidating their expertise in this technological field.

At the end of the course you will able to:

- Know the SolidWorks drawing environment, as well as master its tools and representation and visualization
- Generate three-dimensional models
- Generate standardized drawings (plans) for the representation of 3D models
- Generate assemblies of parts and integrate their operating relationships
- Show through videos and/or presentations the operation of assembled mechanical elements

Main topics

- 1 SolidWorks Basics and User Interface
- 2 Introduction to Sketches
- 3 Basic Part Modeling
- 4 Creating Patterns and Reference
- 5 Geometries
- 6 Operations for Generating Solids
- 7 Editing Tools
- 8 Settings, Variables, and Equations
- 9 Drawings
- 10 Assemblies

Contact

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Course features

Instructor Led 

Duration: 24 hours 

Tools and templates 

Simulated learning 

Course certificate 