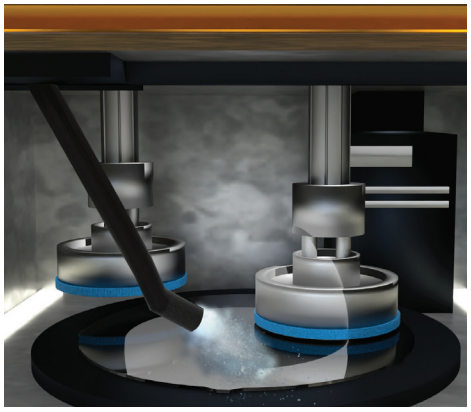
SEMICONDUCTOR MANUFACTURING III

eLearning courses designed to increase productivity and profits



Learning Made Simple, Visual, and Interactive

Semiconductor manufacturing involves complex processes and multiple techniques. The THORS *Semiconductor Manufacturing III* course explores several crucial processes, including etching, ion implantation, and thermal processing. It provides information on different etching and cleaning techniques for etching diverse materials. The course also covers the ion implantation process, various types of implanters, and thermal processing. Interactive quizzes are incorporated into the course to enhance the learning journey, enabling learners to assess their comprehension and retention of visually stimulating content.

Credit Hours **2**

Learning Objectives

- Recognize the importance of wet cleaning and wafer drying techniques.
- Define the different chemistries used to wet etch different materials.
- Distinguish between the wet etching and dry etching techniques.
- Identify the significance of Chemical Mechanical Polishing (CMP).
- Describe the ion implantation process, different types of implanters, and their applications.
- Explain the processes involved in thermal processing, such as oxidation, annealing, and diffusion.
- Understand how silicide is formed.

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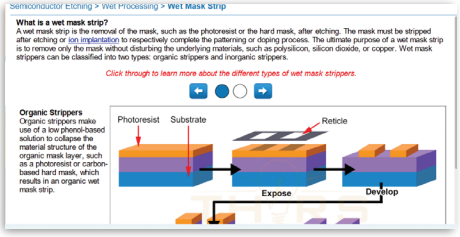

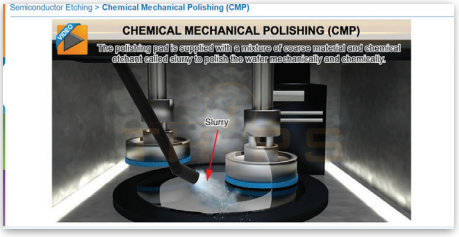

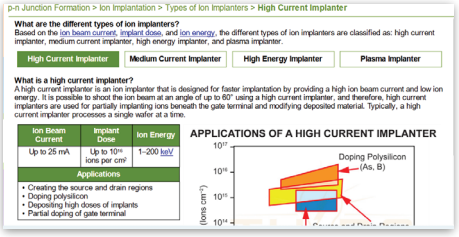

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sales@thors.com
1 (330) 576 4448

5054 Paramount Blvd
Medina, OH 44256