



FASTENER  
TRAINING  
INSTITUTE

# HOW FASTENERS ARE MADE & WHAT DRIVES THE COST OF A FASTENER

OCTOBER 17, 2022 | 8:30 A.M. – 4:30 P.M. PT | LAS VEGAS, NV | INTERNATIONAL FASTENER EXPO

## INTERNATIONAL FASTENER EXPO 2022

### HOW FASTENERS ARE MADE & WHAT DRIVES THE COST OF A FASTENER

In this all-day class, fastener expert Laurence Claus takes participants into the fastener manufacturing world and explores why the often under-appreciated components are complex engineering marvels.

Participants will gain a basic understanding of the different methods of producing fasteners: cold heading, hot heading, and screw machining. Students will learn the advantages and disadvantages of each manufacturing method plus delve into many of the other steps, such as thread rolling, grinding, machining, heat treating and plating that the average fastener may undergo.

Students will learn how each of these different processes, as well as raw material, and customer expectations drive what may appear to be a routine run-of-the-mill fastener into a value-added powerhouse of a component.

Participants will recognize the cost drivers of value-added products, gain practical fastener knowledge and increase their professional value.

#### TOPICS COVERED:

- Fastener production methods: cold heading, hot heading and screw machining
- Advantages and disadvantages of each manufacturing method
- Thread rolling, grinding, machining, heat treating and plating

#### WHO SHOULD ATTEN:

- Sales
- Engineering
- Quality Personnel
- Sourcing & Quoting Personnel
- Purchasing
- Marketing
- Management
- Anyone interested in learning more about fasteners

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### How Fasteners Are Made & What Drives the Cost of a Fastener

**Date:** Oct. 17, 8:30 a.m. – 4:30 p.m. PT

**Location:** Mandalay Bay Convention Center, Las Vegas, NV

**Cost:** \$399 (Early bird before Oct. 3); \$449

**Included:** Course materials, handouts and a certificate of completion.

### Come Visit Us at Booth #2058

#### FTI Trade Show Session

(included in conference registration)

#### Aerospace Fasteners October 18, 10-10:30 a.m. PT

Learn about different categories of aerospace fasteners, how their requirements set them apart from other fastener market segments, and the systems and credentials an aerospace fastener supplier must possess.

#### INSTRUCTOR:

**Laurence Claus**  
IFI Director of Training



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