

# Force Optimization Training Course

## Note:

The Vericut Force Optimization class is intended to illustrate how Vericut software can be leveraged to create an optimized program derived from the original posted NC Code. The resulting program can improve performance, shorten machine cycle times, improve tool life, and minimize wear and tear on the machine tool. While all are welcome, this class is intended for users with a general knowledge of the core Vericut product.

This class is from 8:00 AM - 12:00 PM on two successive days for a total of 8 hours per class.

## DAY 1 - INTRODUCTION TO FORCE OPTIMIZATION

### Introduction

Welcome  
Online Help  
Why Force Optimization

### Getting Started

Machine Configuration  
Control Configuration  
Project Settings  
Component Feed Rate Definition  
NC Code  
Considerations

### Air Cuts

Air Cuts Only Mode  
Optimize Control  
Optimization Saving Calculator  
Status  
Vericut Log File  
Compare Files

### Optimization Reports

Reporting optimization results

## DAY 2 - FORCE IMPLEMENTATION

### Introduction to Force Optimization

What is Force?  
How does it work?

### Analyzing Cutting Conditions

Selecting Stock Material Records  
Force Analyze Mode  
Force Charts  
NC Review  
Calculating proper cutting conditions

### Force Optimization

Optimization parameters  
Configuring for optimum efficiency

### Preparing for Optimization

File Management  
Syntax checking  
Layout and View setup  
Customizing the GUI  
Creating and using Master Tool Lists

## PREREQUISITES FOR WEB TRAINING

- Must have the latest version of Vericut running on your computer prior to class. Licensing concerns can be addressed by emailing [support@cgtech.com](mailto:support@cgtech.com).
- Computer must be set up to support voice over IP. There will be no "Phone-in" option available for the training.
- All users must use headphones or earbuds for listening in. Open speakers can cause feedback problems when microphones are enabled.
- Two monitors are required. Computer display should be configured to extend applications to either monitor (not duplicated).



### PRICING:

**\$400 per day per  
attendee**

Training courses are held online, or at our facilities in the United States. On-site customer training is also available at \$1,950/day plus travel expenses.



### CLASS TIME:

**8am - 12pm per day**

Classes typically commence between these hours. Please check the course description for the start times for specific training courses.



### Cancellation Policy:

**48 Hours before  
scheduled training**

If you can no longer attend, please notify Vericut at least 48 hours before your scheduled training course is due to commence to avoid being charged the full training fee. All training must be completed within 12 months of purchase.