

# Force Optimization

## 1 Day 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 9:00 AM - 5:00 PM.

### Part 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

### Part 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

#### Learn from NC Program mode

Optimization parameters  
Force Charts

#### Prompt While Cutting mode

Optimization parameters

### 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.seao@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:

US\$500 per class per attendee

Training courses are held online via Teams. On-site customer training is also available at US\$1,950/day plus travel expenses.



#### CLASS TIME:

9am - 5pm per day (SGT)

Classes typically commence between these hours online.



#### 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.