

# Force Optimisation Training Course

**Note:** The Vericut Force Optimisation class is intended to illustrate how Vericut software can be leveraged to create an optimised program derived from the original posted NC Code. The resulting program can improve performance, shorten machine cycle times, improve tool life, and minimise 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 OPTIMISATION

### Introduction

Welcome  
Online Help  
Why Force Optimisation

### Getting Started

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

### Air Cuts

Air Cuts Only Mode  
Optimise Control  
Optimisation Saving Calculator  
Status  
Vericut Log File  
Compare Files

### Optimization Reports

Reporting optimisation results

## DAY 2 - FORCE IMPLEMENTATION

### Introduction to Force Optimisation

What is Force?  
How does it work?

### Analysing Cutting Conditions

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

### Force Optimisation

Optimisation parameters  
Configuring for optimum efficiency

### Preparing for Optimisation

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

## PREREQUISITES FOR WEB TRAINING

- Must have VERICUT 9.5 running on your computer prior to class. Licensing concerns can be addressed by emailing [support.uk@cgtech.com](mailto:support.uk@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:

£300 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, whether online or in person.



### Cancellation Policy:

10 working days

If you need to cancel your place we request that you do so at least 10 working days in advance of the course start date. If minimum numbers for each class are not met, then we will cancel the course and you will be moved onto the next available class.