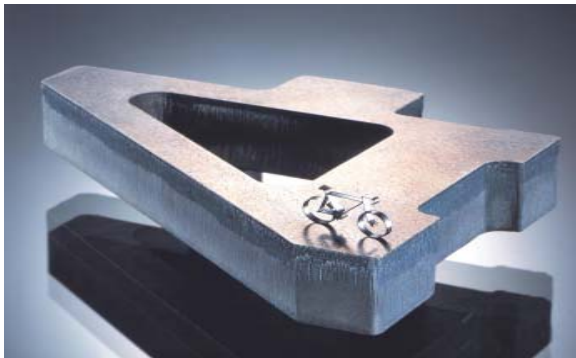




TruLaser Advanced Applications



COURSE DESCRIPTION

The TruLaser Advanced Applications-Laser course is designed for the ultimate application of sophisticated TRUMPF laser capabilities. It is intended for customers who are adept with TRUMPF laser machine operation. The customer has the option of choosing any area of emphasis either for advanced applications of machine capabilities, in-depth programming, or comprehensive TRUMPF laser technologies. The course includes application sessions where students can practice skills that they have learned. Upon completion of the course, students will be able to maximize TRUMPF laser machine performance and material processing capabilities with greater productivity.

TARGET AUDIENCE

Programmers/Operators with Programming Responsibility

PREREQUISITES

Experience with TRUMPF TruLaser technologies, operating experiences, or basic NC programming skills.

COURSE DURATION

2 days

OBJECTIVES

Objectives for this course are based on the customers' needs and inquiries.



Training Department
c/o TRUMPF Inc.
111 Hyde Road
Farmington, CT 06032

Contact Kathy Coco at 860-255-6068
training@us.trumpf.com

- Introduction to laser hazards and laser safe work practices
- Introduction to TRUMPF laser principles and design
 - Laser characteristics
 - RF excitation principles
- Machine hardware components and their characteristics
- MMC control panel components
- DIAS III, five major processors, and FocusLine
- Basic machine operations
 - Starting up the machine
 - Warming up the machine
 - Shutting down the machine
- Introduction to the cutting head
 - Components inside the cutting head
 - Removing and reassembling the cutting head
- Maintenance on the cutting head
 - Cleaning the cutting lens
 - Aligning the nozzle
 - Performing a focus test
- Cutting processes
- Technology tables and processing parameters
- Introduction to fundamental part programming
 - Importing/calling up programs from a different source
 - Editing, splitting, and storing part programs
 - Modifying technology tables
- Practicing cutting skills
- Introduction to specific cutting techniques
 - Slow lead-in vaporization
 - SprintLine
 - Etch
 - CatEye setup