



Modular Cabinet Training



COURSE DESCRIPTION

Bus systems are bus lines used for transferring information and data between various function components of a data processing machine. This Modular Cabinet training course focuses on bus systems used at TRUMPF TruLaser machines, such as Profibus, AS-i bus, and TRUMPF Bus. With the modular concept, a flexible modular switch cabinet system has been developed that enables fast, reliable and easy information handling. All components belonging to a particular function are found in one location, which helps to facilitate troubleshooting.

TARGET AUDIENCE

TRUMPF Service Engineer and customer service personnel with service responsibility (by special invitation only)

PREREQUISITES

Special invitation through TRUMPF Training Manager.

COURSE DURATION

2 weeks

OBJECTIVES

- An understanding of the Modular Switch Cabinet.
- An understanding of the Profibus system.
- How to set Profibus addresses.
- How to troubleshooting the Profibus.
- An understanding of the ASI-Bus.
- An understanding of how to address ASI slaves.
- An understanding of the ASI components.
- How to program a Gateway.
- How to address the light barrier.
- How to troubleshoot the ASI-Bus.
- An understanding of the gateway menus.
- An understanding of the components in the safety circuit.
- An understanding of the Topologies.
- An understanding of downloading the safety software to the safety monitors.
- An understanding of the TRUMPF-Bus.

TRUMPF



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COURSE OUTLINE

- Introduction to basic modular switch cabinet concept
- Introduction to TRUMPF TruLaser switch cabinet layout
- Introduction to ProfiBus, how to set ProfiBus address and and troubleshoot ProfiBus problems.
- Introduction to AS-i Bus, discuss AS-i Bus components and interfaces. Address AS-i Bus slaves, and troubleshoot AS-i Bus problems.
- Discuss how to program a Gateway and discuss various Gateway menus
- Discuss components in the Safety Circuit.
- Download the safety software to the safety monitors.
- Introduction to Topologies.
- Introduction to TRUMPF Bus.

CUSTOMER SERVICES

COURSE OUTLINE