

Wire EDM Training Syllabus

Duration: 4 Day

Start Time: 8:30am

Finish Time: 4:30pm

*Lunch provided for all training days

Prerequisites

Basic technical notions

Training Overview

- Wire EDM Basic training
- HMI1/HMI2/UNIQUA Controls

Target Audience

- Current or new EDM Operators

Course Overview

- Understanding the EDM process
- Mastering the HMI
 - Navigating through the different screens
 - Machine language: Command (CMD), ISO
 - Wire a machine tooling program using the Expert tool
- Machine Settings
 - Preparing the machine and its environment
 - Wire tension and stability
 - Position and alignment of guides
 - Threading positions
 - Verification of control points
 - References and position of workplaces
 - Learning and using machining parameters
- Machine maintenance

Course Content

- **Day 1 & 2**
 - Objectives of training course
 - Creation of E-catalog account
 - Installation of HMI onto participants laptop (optional if needed)
 - Overview CUT
 - Machine components
 - Machine needs
 - Introduction to HMI



- Specifications of Wire EDM process
 - Notions of "technologies & wire tables"
 - Offset and passes
 - Open, slot, pocketing
 - Introduction to ISO language
- Security
 - Dangers of the EDM process
- Simple machining
 - Perform a manual cut
- **Day 3**
 - HMI in detail
 - Coordinate systems (m/c_Part_Cutout)
 - Job preparation Punch & Die
 - Measurements (explanations and practice)
 - Machine preparation & machining
 - Generator parameters
 - M/c set-up and verifications
 - Start points finding
 - Punch machining
 - Die machining (eventually by night)
- **Day 4**
 - Machine and basic troubleshooting
 - Presentation of chapter
 - Dielectric circuit
 - Wire circuit
 - Disassembling lower head
 - Reassembling lower head
 - Wire chopper (optional)
 - Greasing
 - Evaluations, E-catalog
 - Participant evaluations
 - Presenting and using the e-catalog

For more information contact: applicationtraining.gfms.us@georgfischer.com