WTC – TST Training Courses

Updated – 4/11/22

CONTACT INFORMATION

o Please reach out to service@weldtechcorp.com for pricing and availability of WTC Training experts

o Or reach out to: Mike Eikenberry meikenbe@weldtechcorp.com

- Cell: 248-912-2076

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WELDING TECHNOLOGY CORP

o Service

- On Site Service Support and Troubleshooting
    - 24 Hour support in Detroit Metro Area
    - Less than a day to your plant in Continental US
- Weld Schedule Recommendation – Customer provided parts
- Application Support with New Startups

o How Does my Weld Control Work? (legacy products)

- Customer Specific Weld Control Training – At Customer Site

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XX Hours – Where can the class take place

XX People Maximum Per Class
Recommended for What Type of User

o Syllabus

o Syllabus cont…

8 Hour Training – At Customer Site

10 People Maximum Per Class
Recommended for New Users and
Maintenance Personnel

- o Cabinet Hardware Overview – Customer Specific
- o Processor Overview
- o I/O Interface Overview
- o I/O Bit Mapping
- o Programming Setup Parameters
- o Fault Overview and Diagnostics
- o Inserting, Editing and Deleting Functions
- o Programming Linear Steppers
- o Data Entry Panel (Customer Specific DEP, Webpage) Overview
- o RAFT Gateway / ViewNet / View-It Software Overview (if applicable)
- o Basic Resistance Spot Welding Concepts
- o Preventative Maintenance

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WT6000 TRAINING - AC

8 Hour Training – At Customer Site

10 People Maximum Per Class
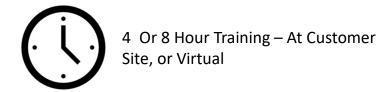Recommended for New Users and
Maintenance Personnel

o Cabinet Hardware Overview – Customer Specific
o Processor Overview
o I/O Interface Overview
o I/O Bit Mapping
o Programming Setup Parameters
o Fault Overview and Diagnostics
o Inserting, Editing and Deleting Functions
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WT6000 TRAINING - DCIT

4 Or 8 Hour Training – At Customer Site, or Virtual
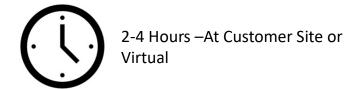
10 People Maximum Per Class
Recommended for New Users who have <u>completed</u> WT6000 MFDC Training

o Hardware Overview

o IO/Setup

o Gun ID

- Gun ID and Connections
- Diode Peak Threshold

o Operator Panel and Gun Motion

- Layout and Using
- Gun Motion for Tip Dress

o Fault List – DCIT Only

o Maintenance

- Review Preventative Maintenance

BASIC RESISTANCE WELDING OVERVIEW

2-4 Hours –At Customer Site or Virtual

10 People Maximum Per Class
Recommended for New Users

- o Basic Resistance Welding Concepts
- o MFDC vs AC Welding (MFAC if needed)
- o Overview of Welding Hardware – MFDC Or AC
- o Weld Control Overview
- o Customizable to Customer's Current Level

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VIEW-R (SINGLE/DUAL) TRAINING

2 Hour Training – At Customer Site, or Virtual

10 People Maximum Per Class Recommended for New User

- o Installing the View-R
  - Specification Overview
  - Power Connections
  - Network Architecture
- o Configuration of the View-R
  - Configuration Web Page
  - Licensing Web Page
  - Weld Control Management Web Page
- o Troubleshooting
  - IP Address Configuration
  - Cli_update
  - Factory_reset
  - Log Files
  - Rebooting
- o User Logins

SOFTQ (POST-WELD PROCESS MONITORING TOOL) TRAINING

8 Hour Training – At Customer Site, WTC, or Virtual
(4 Classroom) / (4 Hands On)

4 People Maximum Per Class
Recommended for Moderate Users and Welding Engineers

o Install / Config / Operation of Raft Gateway/ View-Net/ View-It Software
o Tip (Voltage Sense) Wire Installation
o Weld Timer Connections
o Tip Dress Validation
o Resistance Measure
o Reference Weld
o Spot History
o Expulsion Detection Using Resistance
o Process Integrity (PI) Envelope
o Tooling Integrity (TI) Envelope
o Nugget Integrity (NI) Envelope
o SoftQ Monitoring Setup
o Quality Tab
o Fault Configuration
o Troubleshooting

*Note – At Customer Site or Virtual requires weld cell to be active and available for training

FORCEQ (POST-WELD PROCESS MONITORING TOOL) TRAINING

8 Hour Training – At Customer Site, WTC, or Virtual
(4 Classroom) / (4 Hands On)

4 People Maximum Per Class
Recommended for Moderate Users and Welding Engineers (Aluminum)

o Install / Config / Operation of Raft Gateway/ View-Net/ View-It Software
o Force Feedback Setup and Configuration
o Reference Weld
o Force Integrity (FI) Envelope
o Force Nugget Integrity (FNI) Envelope
o ForceQ Monitoring Setup
o Quality Tab
o Expulsion Detection Using Force Feedback
o Fault Configuration
o Troubleshooting

*Note – At Customer Site or Virtual requires weld cell to be active and available for training

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RAFT (ADAPTQ AND SOFTQ) TRAINING

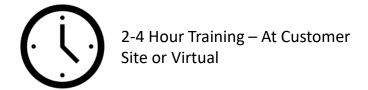16 Hour Training – At Customer Site, or WTC

8 Classroom / 8 Hands On

4 People Maximum Per Class

Recommended for Advanced Users and Welding Engineers

o RAFT (Resistive Adaptive Feedback Technology) Theory Overview
o Install / Config / Operation of Raft Gateway Software
o Tip (Voltage Sense) Wire Installation
o Weld Timer Connections
o Tip Dress Validation
o Constant Current Weld Schedule Setup
o Resistance Measure
o Reference Weld
o Enabling Adaptive Mode
o Spot History
o Expulsion Detection Using Resistance
o AdaptQ Functions Overview
o Process Integrity (PI) Envelope
o Tooling Integrity (TI) Envelope
o Nugget Integrity (NI) Envelope
o SoftQ Monitoring Setup
o Quality Tab
o Fault Configuration
o Troubleshooting

*Note – At Customer Site requires weld cell to be active and available for training

DATA ENTRY PANEL TRAINING

2-4 Hour Training – At Customer Site or Virtual

4 People Maximum Per Class
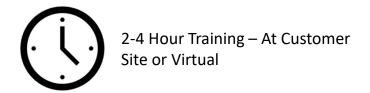Recommended for New Users and Maintenance Personnel

o Data Entry Panel (Customer Specific DEP) Overview

o How to Connect DEP to Weld Control

o How to Navigate Menus

o Practical Training using Customer Specific DEP

o How to Update (600 Only)

USER INTERFACE (RAFT GATEWAY) TRAINING

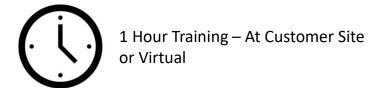2-4 Hour Training – At Customer Site or Virtual

6 People Maximum Per Class Recommended for New Users and Weld Engineers

o   Installation and Requirements

o   Setup – Services

o   Adding / Connecting to Weld Timer

o   Graphing Data

o   Weld Programming (Adding, Deleting, Editing Functions)

o   Navigating Menus

o   Database (Setup, Login, Purging)

o   Timer Backup - Creating a WDF Backup File

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USER INTERFACE (WEBPAGE) TRAINING

1 Hour Training – At Customer Site
or Virtual

6 People Maximum Per Class

Recommended for New Users and
Maintenance Personnel

o Navigating to Timer Webpage

o How to find the IP Address of your timer

o Menus in :8080

- Content and When/How Used
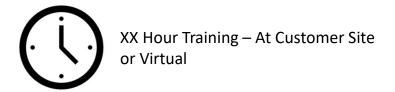
USER INTERFACE (VIEW-NET) TRAINING

3 Hour Training – At Customer Site or Virtual

6 People Maximum Per Class
Recommended for New Users and Maintenance Personnel

- o Adding a View-R
- o Layout Adjustment
- o Data Collection Services
- o User Logins
- o Service Preferences
- o Tab Navigation
- o Generating Backup Files
- o Upgrading Software
- o Weld/Graph Data Overview
- o Troubleshooting

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USER INTERFACE (VIEW-IT) TRAINING

XX Hour Training – At Customer Site or Virtual

4 People Maximum Per Class

Recommended for New Users and Maintenance Personnel

o Coming Soon – 2022

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VIEW-TRACE

1 Hour Training – At Customer Site
or Virtual

6 People Maximum Per Class
Recommended for New Users

- o View-Trace Overview and Installation
- o Understanding the Interface
- o Configuring the View-R List
- o Retrieving the Weld Data

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MIT TRAINING

2 Hour Training – At Customer Site or Virtual

10 People Maximum Per Class
Recommended for New User

o Overview
- What is a MiT
- Hardware
- Software

o Hardware Overview & Installation
- Hardware Variations
- Secondary Current Coil
- Secondary Voltage Wires

o Network & Parameter Configurations
- Network Setup
- Coil Setup
- Timing Parameters

o Troubleshooting

ROMAN FURNACE GLASS TRAINING

4 Hour Training – At Customer Site

4 People Maximum Per Class

Recommended for New Users and Maintenance Personnel

o **Coming Soon – May 2022**

o Reviewing and Updating Software to Latest Revisions

- (15 min per Unit)
  - Weld Controllers
  - DEP's
  - User Interface – (Resource on site)

o Review Spares List

o On-site Troubleshooting Support

- Review Faults

UPDATE NOTES

Date	Responsible	Notes
4/5/22	M. Eikenberry	Created Presentation
4/11/22	M. Eikenberry	Updated to put on website