



# 2019 Technical Service School

## MQ Whiteman Trowels

**Multiquip's Whiteman Trowel Service School** focuses on the concrete finishing equipment product line. With technical training from equipment operation, schematic interpretation, hydraulic components, mechanical adjustments, set-up and laptop calibration of sensors, walk behind trowels and small engines, you're guaranteed to increase your product and technical knowledge on the most reliable equipment in the industry. (See page 2 for the course description).

MQ Whiteman's Trowel Service School will prove to be beneficial for both the entry level and experience technician in the industry. An investment into your technician's continued training is an investment into your business that will result in less down time.

### Service School Dates and Locations

Location	Dates	Class
Lewisville, TX	Feb 12-14, 2019	Whiteman Trowels
Lewisville, TX	Mar 12-14, 2019	Whiteman Trowels
Lewisville, TX	Oct 1-3, 2019	Whiteman Trowels
Lewisville, TX	Nov 5-7, 2019	Whiteman Trowels

This is a 3-day class  
 Tuesday to Thursday, 8:00 AM to 4:00 PM  
 Attendance is limited to 12 students per class.  
 Sign up to reserve your spot today!  
 Students must wear appropriate shop clothing.

Please fax or email this page to Brenda Hurtado at 310-632-6197 or bhurtado@multiquip.com For more information, call 800-421-1244

Customer and contact name: \_\_\_\_\_

Attendee name: \_\_\_\_\_ Email: \_\_\_\_\_

Address: \_\_\_\_\_ No. of hotel nights requesting: \_\_\_\_\_

Phone/Fax: \_\_\_\_\_  Driving  Flying\*

- **Classes may be cancelled** if there are not enough registered students.
- **Multiquip pays for three nights of lodging, breakfast and lunch** for three day classes.
- **Dinner will be the student's responsibility.**

\* If flying, please fax us your flight itinerary ASAP. Student should arrange flights to arrive the day before the class begins. Return flights should be arranged for 3 hours after the close of class on the last day.

Choose One	MQ Whiteman Trowels — Location/Date
	Feb 12-14 — Lewisville, TX
	Mar 12-14 — Lewisville, TX
	Oct 1-3 — Lewisville, TX
	Nov 5-7 — Lewisville, TX

By enrolling, the dealer/attendee agrees that in the event a class is cancelled, Multiquip will make every attempt to accommodate the attendees in the next available class. Multiquip is not responsible for refunding the cost of unused airline tickets or charges imposed by the airlines for changing itineraries. Once enrollment is confirmed, a credit card will be required to guarantee your hotel reservations. All attendees will receive a packet with arrival instructions and confirmation by fax or email.

Signature \_\_\_\_\_

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# MQ-Whiteman Trowels

## Course Description

*The following is a general agenda of the course. Course agenda may change due to new products, product availability and overall student interest in various products and topics.*

*Students are advised to bring a laptop for setup of the Whiteman Service Tool (WST) and test calibration of components.*

*Please wear the appropriate attire for this course (this excludes sandals and shorts).*

### CLASSROOM TRAINING

*Primary trowels covered during this class are the following models: HHN Series, D6i Series, HTXG6DF, Hatz T4F, STX6H, HTX6H, STXD.*

- **Introduction and tour:** Instructor and student introductions, general overview of the class agenda.
- **Trowel operation:** Students learn the operation and functionality of our Smart Pitch system, cold start modes, electric fan controls, engine speed control and more.
- **Hydraulic system:** Students learn the charge and main drive pump circuits, pitch block logic, fluid cooling and flush circuits.
- **Hydraulic service:** Correct oil, filters, oil level, service intervals.
- **MCU:** Factory MCU set-up, software and parameter update installation.
- **Blade speed setting:** Procedure for setting max blade speed on all hydraulic trowels.
- **Foot pedal sensor:** Correct set up and calibration of foot pedal.
- **Schematic Interpretation**
- **Stroke cylinder sensor:** Correct set-up and calibration of sender, setting zero stroke.
- **Pitch sync:** Proper set up non left to right side pitch synchronization calibration.

### HANDS-ON TRAINING

- **Trowel walk around:** Identify component location and review function.
- **Trowel operation:** Discuss trowel controls and operation of cold start, fan, Smart Pitch operation, etc.
- **Field Setup procedures on:**
  - ▼ Proper hydraulic oil level
  - ▼ Setting/calibrating foot pedal sensor
  - ▼ Setting/adjusting charge pressure
  - ▼ Setting/adjusting pitch and steering pressures
  - ▼ Setting Zero Stroke position
  - ▼ Setting correct blade speed
  - ▼ Calibrating stroke cylinder follower
  - ▼ Set-up and calibration of Smart Pitch synchronization
  - ▼ Testing main drive circuit reliefs
  - ▼ Full laptop setup of the WST (Whiteman Service Tool)
  - ▼ On unit training of Software and Parameter file update installations
  - ▼ MVEC Reconfiguration as needed

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