

REINHARD WIRTGEN
LEARNING CENTER
2011-2012 COURSE CATALOG



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ROAD AND MINERAL TECHNOLOGIES

www.wirtgenamerica.com



WIRTGEN AMERICA

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REGISTERING IS EASY

REGISTER ONLINE: WWW.WIRTGENAMERICA.COM

Registration

To register, complete the online registration at http://www.wirtgenamerica.com/us/customer-service/training/Training_overview.html. Once the online registration is submitted, an email confirmation that the registration was accepted will be sent.

Hotel

Wirtgen America has arranged a special discounted room rate for the student at:

Hilton Garden Inn - Nashville/Smyrna
2631 Highwood Blvd.
Smyrna, TN 37167
p: 615-355-6262

The student will be responsible for all hotel charges. Reservations for the hotel can be made online using the link that will be provided within the class registration confirmation email.

Transportation

The student will be responsible for transportation to and from Nashville. Transportation between the Hilton Garden Inn - Nashville/Smyrna and the Reinhard Wirtgen Training Center will be provided by the hotel on each class day.

Airline flights should be made into and out of the Nashville International Airport (BNA). For classes that begin at 8:30 am and dismiss at 4:30 pm on the last day of class, students should be scheduled to arrive on the day before the class begins and depart no earlier than 7:30 pm on the last day of class.

Transportation to and from the Nashville International Airport to the Hilton Garden Inn-Nashville/Smyrna will be provided if requested during online registration.



1



2

1 Cafeteria seats up to 80 diners

2 Purchase Wirtgen Group merchandise at the Wirtgen company store

3 Laboratory classrooms seat up to 30 students



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WIRTGEN TECHNICAL SERVICE SCHOOLS: REGISTER ONLINE AT WWW.WIRTGENAMERICA.COM

WIRTGEN INTRODUCTION TRAINING - NOT MACHINE SPECIFIC

Who should attend:

The Wirtgen Introduction Training is intended for dealer and customer technical personnel new to the Wirtgen product line.

The school is suitable for both experienced and inexperienced technical personnel who wish to learn how to repair and maintain Wirtgen machines.

Customer technicians attending the school must have basic mechanical skills such as electrical, hydraulic and mechanical system knowledge. No prior knowledge of Wirtgen equipment is required.

Overview:

Emphasis will be placed on a basic understanding and troubleshooting of both the electrical control systems and hydraulic systems. Hands-on troubleshooting of components using electrical and hydraulic schematics, as well as using the Interlink list and machine displays (where applicable), will be an important part of this school.

Information on routine maintenance will be provided, as well as information on periodic wear parts inspection and replacement.

The class will consist of both lecture and lab/shop exercises.

Objectives: 3-day course

- Provide students with a basic knowledge of Wirtgen machines and their operation
- Train students in troubleshooting and provide necessary skills to resolve technical problems while using Wirtgen schematics
- Acquaint students on the use of the machine display and Interlink list to diagnose problems
- Provide students with the skills to perform proper scheduled maintenance
- Provide information on wear parts inspection and proper replacement levels
- Introduce students to Wirtgen's electronic documentation: *WIDOS*, *WITRAIN*, and *Parts & More*

Course program:

Day 1

- Staying safe while working on Wirtgen machines
- Wirtgen machines application and operation fundamentals
- Understanding Wirtgen documentation
- Understanding and using Wirtgen electrical schematics and location charts

Day 2

- Understanding and using Wirtgen Interlink list
- Understanding and using machine display for diagnosis
- Understanding and using Wirtgen hydraulic schematics and location charts
- Troubleshooting electrical and hydraulic system components

Day 3

- Routine maintenance
- Wear parts inspection and replacement

Fee: \$375.00 per student



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WIRTGEN TECHNICAL SERVICE SCHOOLS: REGISTER ONLINE AT WWW.WIRTGENAMERICA.COM

OPERATOR & SCHEDULED MAINTENANCE TRAINING - MILLING MACHINES

Classes offered:

- W 120 F and W 150 milling machines (*by request only*)
- W200 Series milling machines (W 200, W 210 & W 250)
- W2000 Series milling machines (W 2000, W 2100 & W 2200)

Who should attend:

The Operator and Scheduled Maintenance Training is intended for Wirtgen milling operators, customer mechanics and dealer technicians.

This course is suitable for both inexperienced and experienced personnel.

No prior knowledge of Wirtgen equipment is required.

Overview:

This course will provide familiarization with the operational controls and grade controls.

Emphasis will be placed upon proper "scheduled" maintenance of the machine and drum utilizing Wirtgen Instruction Manual and provided additional documentation.

The class will consist of lecture, lab and shop time.

Objectives: 3-day course

- Review safety awareness and safe machine operation
- Equip students with a working knowledge of the Wirtgen Instruction Manual
- Acquaint students with machine set-up, start-up and delivery process
- Provide students with the knowledge needed to operate Wirtgen grade control systems
- Provide students with the knowledge needed to perform proper machine and drum maintenance
- Introduce students to the Wirtgen wear parts inspection process and warranty procedures

Course program:

Day 1

- Staying safe while operating a milling machine
- Machine set-up and PDI procedures
- Machine start up and delivery
- Acquaint students with machine options, option installation and operation
- Review of milling machine Instruction Manual

Day 2

- Acquaint students with component location and component terminology
- Introduction to Wirtgen *WIDOS* and *WITRAIN* electronic documentation
- Acquaint students with machine control panels and display
- Grade control set-up and operation
- Machine sensor types and usage
- Daily operator pre-operational inspections
- Daily operator post-operational maintenance

Day 3

- Milling machine job types and operational applications
- Wirtgen drum maintenance
- Overview of machine warranty procedures
- Acquaint students with Wirtgen machine inspection program
- Provide guidance on performing Wirtgen wear parts inspections
- Introduce *Parts & More* catalog (and DVD)

Fee: \$375.00 per student

* W 120 F & W 150 class will be scheduled by request.

OPERATOR & SCHEDULED MAINTENANCE TRAINING - WR2000 SERIES RECYCLERS (WR 2000, WR 2400 & WR 2500 S)

Who should attend:

The Operator & Maintenance Training is intended for Wirtgen recycler operators, customer mechanics and dealer technicians.

The school is suitable for both inexperienced and experienced personnel.

No prior knowledge of Wirtgen equipment is required.

Overview:

This course will provide thorough familiarization of the operational controls, as well as the unique applications of Wirtgen recyclers.

Emphasis will be placed on proper set up, operation and “scheduled” maintenance of the machine and drum.

The class will consist of lecture, lab and shop time.

Objectives: 3-day course

- Review safety awareness and safe machine operation
- Provide students with the knowledge needed to perform proper machine and drum maintenance
- Familiarize the student with operational methods
- Acquaint students with the use of Wirtgen documentation
- Provide information on wear parts inspections and proper replacement intervals

Course program:

Day 1

- Staying safe while operating a recycler
- New machine set-up and PDI procedures
- Machine start up and delivery
- Acquaint students with machine options, option installation and operation
- Thorough review of WR2000 Series recycler Instruction Manual

Day 2

- Acquaint students with component location and component terminology
- Brief review of Wirtgen *WIDOS* and *WITRAIN*
- Acquaint students with machine control panels and display
- Daily operator pre-operational inspections
- Daily operator post-operational maintenance

Day 3

- Recycler job types and operational applications
Wirtgen drum maintenance
- Overview of machine warranty procedures
- Acquaint students with Wirtgen machine inspections
- Introduce *Parts & More* catalog (and DVD)

Fee: \$375.00 per student

WIRTGEN TECHNICAL SERVICE SCHOOLS: REGISTER ONLINE AT WWW.WIRTGENAMERICA.COM

PROCESS & APPLICATION TRAINING - MILLING MACHINES

Classes offered:

- W 120 F and W 150 milling machines (*by request only*)
- W200 Series milling machines (W 200, W 210 & W 250)
- W2000 Series milling machines (W 2000, W 2100 & W 2200)

Who should attend:

The Process & Application Training is intended for the new customer, new operator, and new machine owners who will be involved with the daily milling operation, perform daily maintenance, and operate grade controls.

The course is suitable for both inexperienced and experienced personnel who wish to learn more about the process and application of Wirtgen milling equipment. No prior knowledge of Wirtgen equipment is required.

This course is NOT intended for technical personnel who ordinarily deal with extensive repairs or have extensive milling knowledge.

Overview:

This course will provide familiarization of the operational controls and grade controls of the Wirtgen mill.

Emphasis will be placed on the milling process and unique applications of milling. Emphasis will also be placed on proper “daily” maintenance of the machine and drum.

The class will consist of lecture, lab and shop time.

Objectives: 2-day course

- Review safety awareness and safe machine operation
- Provide students with the knowledge needed to operate Wirtgen grade control systems
- Introduce students to Wirtgen documentation
- Establish a higher level of comfort for the student on and around the Wirtgen mill

Course program:

Day 1

- Staying safe while operating a Wirtgen milling machine
- Acquaint students with items that arrive with machine
- Acquaint students with machine options and proper operation of those options
- Introduce machine Instruction Manual and additional documentation
- Acquaint students with machine control panels and display
- Grade control instruction

Day 2

- Acquaint student with machine sensor types and possible applications
- Daily pre-operational inspections
- Daily post-operational maintenance
- Milling machine job types and operational applications
- Wirtgen drum maintenance
- Wear parts maintenance and inspection

Fee: \$250.00 per student

PROCESS & APPLICATION TRAINING - WR2000 SERIES RECYCLERS (WR 2000, WR 2400 & WR 2500 S)

Who should attend:

The Process & Application Training is intended for the new customer, new operator, and new machine owners who will be involved with the daily recycling operation and performance of the machine.

This course is suitable for both inexperienced and experienced personnel who wish to learn more about the process and application of Wirtgen recycler equipment. No prior knowledge of Wirtgen equipment is required.

This course is NOT intended for technical personnel who ordinarily deal with extensive repairs or have extensive recycler knowledge.

Overview:

This course will introduce personnel to the unique applications of Wirtgen Recyclers.

Emphasis will be placed on proper setup, and operation of a recycler and the “daily” requirements of the machine.

The class will consist of lecture, lab and shop time.

Objectives: 2-day course

- Review safety awareness and safe machine operation
- Prepare students for daily operation of a recycler
- Introduce job types and the machine operational applications
- Introduce students to Wirtgen documentation
- Establish a higher level of comfort for the student on and around the Wirtgen Recycler

Course program:

Day 1

- Staying safe while operating a Wirtgen recycler
- Acquaint students with items that arrive with machine
- Acquaint students with controls display and operation
- Acquaint students with machine Instruction Manual and additional documentation
- Recycler applications

Day 2

- Daily pre-operational inspections
- Daily post-operational maintenance
- Recycler pump options and their application
- Wirtgen drum maintenance
- Wear parts maintenance and inspection

Fee: \$250.00 per student

WIRTGEN TECHNICAL SERVICE SCHOOLS: REGISTER ONLINE AT WWW.WIRTGENAMERICA.COM

CUSTOMER SERVICE TRAINING – MILLING MACHINES

Classes offered:

- Small milling machines (W 35 DC, W 50, W 50 DC & W 60)
- Medium milling machines (W 120 F & W 150)
- Large milling machines (W 2000, W 2100 & W 2200)
- W200 Series milling machines (W 200, W 210 & W 250)

Who should attend:

The Customer Service Training is intended for customer technical personnel involved in the repair and preventive maintenance of Wirtgen milling machines.

The school is suitable for both experienced and inexperienced technical personnel who wish to learn how to repair and maintain Wirtgen milling machines.

Customer technicians attending the school must have basic mechanic skills such as electrical, hydraulic and mechanical system knowledge. No prior knowledge of Wirtgen equipment is required.

Overview:

Emphasis will be placed on understanding and troubleshooting both the electrical control systems and hydraulic systems. Hands-on troubleshooting using electric and hydraulic schematics, as well as using the Interlink list* and the display*, will be an important part of this school.

Information on routine maintenance will be provided, as well as information on periodic wear parts inspection and replacement.

The class will consist of both lecture and lab/shop exercises.

Objectives: 3-day course

- Provide students with the knowledge of Wirtgen mills and their operation
- Train students on troubleshooting and provide necessary skills to resolve technical problems while using Wirtgen schematics
- Train students on the use of the display* and Interlink list* to diagnose problems
- Provide students with the skills to perform proper routine maintenance
- Provide information on wear parts inspection and proper replacement levels
- Acquaint students with *WIDOS*, *WITRAIN*, *Parts & More* and machine documentation

Course program:

Day 1

- Staying safe while working on milling machines
- Wirtgen mill application and operation fundamentals
- Understanding Wirtgen documentation
- Understanding and using Wirtgen electrical schematics

Day 2

- Understanding and using Wirtgen Interlink list*
- Understanding and using machine display* for diagnosis
- Understanding and using Wirtgen hydraulic schematics
- Troubleshooting electrical and hydraulic systems

Day 3

- Routine maintenance
- Wear parts inspection and replacement

Fee: \$375.00 per student

* Interlink list not applicable with W200 Series milling machines. W2000 Series milling machines have a CGC display.

CUSTOMER SERVICE TRAINING –WR2000 SERIES RECYCLERS (WR 2000, WR 2400 & WR 2500 S)

Who should attend:

The Customer Service Training is intended for customer technical personnel involved in the repair and preventive maintenance of WR2000 Series recyclers (WR 2000, WR 2400 and WR 2500 S).

The school is suitable for both experienced and inexperienced technical personnel who wish to learn how to repair and maintain Wirtgen recyclers.

Customer technicians attending the school must have basic mechanic skills such as electrical, hydraulic and mechanical system knowledge. No prior knowledge of Wirtgen equipment is required.

Overview:

Emphasis will be placed on understanding and troubleshooting both the electrical control systems and hydraulic systems. Hands-on troubleshooting using electric and hydraulic schematics, as well as using the Interlink list and the CGC display, will be an important part of this school.

Information on routine maintenance will be provided, as well as information on periodic wear parts inspection and replacement.

This course does NOT cover setup or use of the spray systems and flowmeters.

The class will consist of both lecture and lab/shop exercises.

Objectives: 3-day course

- Provide students with the knowledge of WR2000 Series recyclers and their operation
- Train students on troubleshooting and provide necessary skills to resolve technical problems while using Wirtgen schematics
- Train students on the use of the CGC display and Interlink list to diagnose problems
- Provide students with the skills to perform proper routine maintenance
- Provide information on wear parts inspection and proper replacement levels
- Acquaint students with *WIDOS*, *WITRAIN*, *Parts & More* and machine documentation

Course program:

Day 1

- Staying safe while working on Wirtgen recyclers
- WR2000 Series recycler application and operation fundamentals
- Understanding Wirtgen documentation
- Understanding and using Wirtgen electrical schematics

Day 2

- Understanding and using Wirtgen Interlink list
- Understanding and using machine CGC for diagnosis
- Understanding and using Wirtgen hydraulic schematics
- Troubleshooting electrical and hydraulic systems

Day 3

- Routine maintenance
- Wear parts inspection and replacement

Fee: \$375.00 per student

WIRTGEN TECHNICAL SERVICE SCHOOLS: REGISTER ONLINE AT WWW.WIRTGENAMERICA.COM

DEALER SERVICE TRAINING - 1ST GENERATION WIRTGEN MACHINES

Machines covered:

- Small milling machines (W 35 DC, W 50, W 50 DC & W 60)
- Medium milling machines (W 120 F & W 150)
- Large milling machines (W 2000, W 2100 & W 2200)
- Recyclers (WR 2000, WR 2400 & WR 2500)

Who should attend:

The Dealer Service Training-1st Generation Wirtgen Machines is intended for dealer technical personnel involved in the repair and preventive maintenance of all 1st Generation Wirtgen Machines.

The school is suitable for both experienced and inexperienced technical dealer personnel who wish to learn how to repair and maintain Wirtgen machines.

Dealer technicians attending the school must have basic mechanic skills such as electrical, hydraulic and mechanical system knowledge. No prior knowledge of Wirtgen equipment is required.

Overview:

Emphasis will be placed on understanding and troubleshooting both the electrical control systems and hydraulic systems. Hands-on troubleshooting using electric and hydraulic schematics, as well as using the Interlink list and the displays (where applicable), will be an important part of this school.

Information on routine maintenance will be provided, as well as information on periodic wear parts inspection and replacement.

The class will consist of both lecture and lab/shop exercises.

Objectives: 5-day course

(Starts Monday at 1:00 pm and ends Friday at 12:00 noon. Lunch will be served at 12:00 noon all days)

- Provide students with the knowledge of Wirtgen machines and their operation
- Train students on troubleshooting and provide necessary skills to resolve technical problems while using Wirtgen schematics
- Train students on the use of the display and Interlink list (where applicable) to diagnose problems
- Provide students with the skills to perform proper routine maintenance
- Provide information on wear parts inspection and proper replacement levels
- Acquaint students with *WIDOS*, *WITRAIN*, *Parts & More* and machine documentation
- Acquaint students with the PDI and customer delivery process

Course program:

Day 1 (Monday starting at 1:00pm)

- Staying safe while working on Wirtgen machines
- Wirtgen machine application and operation fundamentals
- Machine familiarization

Day 2 (Tuesday)

- Understanding Wirtgen documentation
- Understanding and using Wirtgen electrical schematics
- Understanding and using electrical location charts
- Understanding and using Wirtgen Interlink list
- Understanding and using machine displays for diagnosis

Day 3 (Wednesday)

- Understanding and using Wirtgen hydraulic schematics
- Troubleshooting electrical and hydraulic systems
- Routine maintenance
- Repair procedures

Day 4 (Thursday)

- *WIDOS* training
- *WITRAIN* familiarization
- *Parts & More* familiarization

Day 5 (Friday ending at 12:00 noon)

- Wear parts inspection and replacement
- Milling machine PDI, start-ups and demonstrations

Fee: \$500.00 per student

DEALER SERVICE TRAINING - 2ND GENERATION WIRTGEN MACHINES (W 200, W 210, W 250)

Who should attend:

The Dealer Service Training-2nd Generation Wirtgen Machines is intended for dealer technical personnel involved in the repair and preventive maintenance of 2nd Generation milling machines (W 200, W 210 and W 250).

The school is suitable for both experienced and inexperienced technical dealer personnel who wish to learn how to repair and maintain Wirtgen milling machines.

Dealer technicians attending the school must have basic mechanic skills such as electrical, hydraulic and mechanical system knowledge. No prior knowledge of Wirtgen equipment is required.

Overview:

Emphasis will be placed on understanding and troubleshooting both the electrical control systems and hydraulic systems. Hands-on troubleshooting using electric and hydraulic schematics, as well as using the display, will be an important part of this school.

Information on routine maintenance will be provided, as well as information on periodic wear parts inspection and replacement.

The class will consist of both lecture and lab/shop exercises.

Objectives: 5-day course

(Starts Monday at 1:00 pm and ends Friday at 12:00 noon. Lunch will be served at 12:00 noon all days)

- Provide students with the knowledge of Wirtgen milling machines and their operation
- Train students on troubleshooting and provide necessary skills to resolve technical problems while using Wirtgen schematics
- Train students on the use of the display to diagnose problems
- Provide students with the skills to perform proper routine maintenance
- Provide information on wear parts inspection and proper replacement levels
- Acquaint students with *WIDOS*, *WITRAIN*, *Parts & More* and machine documentation
- Acquaint students with the PDI and customer delivery process

Course program:

Day 1 (Monday starting at 1:00pm)

- Staying safe while working on milling machines
- Milling machine application and operation fundamentals
- Machine familiarization

Day 2 (Tuesday)

- Understanding Wirtgen documentation
- Understanding and using Wirtgen electrical schematics
- Understanding and using electrical location charts
- Understanding and using machine display for diagnosis

Day 3 (Wednesday)

- Understanding and using Wirtgen hydraulic schematics
- Troubleshooting electrical and hydraulic systems
- Routine maintenance
- Repair procedures

Day 4 (Thursday)

- *WIDOS* training
- *WITRAIN* familiarization
- *Parts & More* familiarization

Day 5 (Friday ending at 12:00 noon)

- Wear parts inspection and replacement
- Milling machine PDI, start-ups and demonstrations

Fee: \$500.00 per student

WIRTGEN AND VÖGELE TECHNICAL SERVICE SCHOOLS: REGISTER ONLINE AT WWW.WIRTGENAMERICA.COM

FOAM TECHNOLOGY SEMINAR

Who should attend:

The class is intended for those managing and overseeing recycling jobs or those individuals analyzing existing road material and determining the formulation of asphalt oil mix ingredients to be incorporated by the recycler.

Overview:

This 2-day class will be conducted by representatives of the A. A. Loudon Company, foam technology specialists. The class will cover: Introduction to pavements and foamed asphalt, designing foamed asphalt mixes, materials used in mix designs, laboratory procedures, the Wirtgen WLB 10 S and WLM 30 labs, pavement thickness design, application systems, machine selection, construction procedures, current status of research and basic quality controls.

This class will not cover any machine-specific service topic, nor will it cover operation techniques of a recycler.

Objectives: 2-day course

- Introduce students to recycling technology
- Enable students to manage recycling operations
- Acquaint students with the construction procedures necessary to produce quality work
- Acquaint students with typical bid preparation procedures

Course program:

Day 1

- What is foamed asphalt?
- Application in pavement rehabilitation
- Mix design procedures
- Foam lab demonstration

Day 2

- Sample preparation and testing
- Preparing bid documentation (typical examples)
- Construction methods
- On-site quality assurance and material testing
- Examples of foamed asphalt projects in North America
- Question and answer forum

Fee: \$250.00 per student

CUSTOMER OPERATOR TRAINING - VISION PAVERS

Who should attend:

The Customer Operator Training is intended for paver and screed operators involved in the daily paving operation.

The school is suitable for experienced operating personnel to learn more about Vögele equipment, but also for inexperienced personnel who need to learn how to operate paving equipment. No prior knowledge of Vögele equipment is required.

The school also is suitable for customer service personnel who need to learn the application details in combination with technical features of the paver.

Overview:

This course will cover the fundamentals of setting up and executing work at a paving job site. Emphasis will be placed on proper paving application techniques.

The school will provide thorough familiarization of the operation, as well as the unique and superior features of the Vögele Vision series paver line, including *Niveltronic* automatic grade and slope systems.

An in-depth look at the paver displays and the use of the information provided by those displays will be undertaken.

Information on routine maintenance will be provided, as well as troubleshooting training.

The class will be a lecture with some shop exercises.

Objectives: 2-day course

- Provide students with the knowledge to operate a paver, including proper preparation of job sites
- Acquaint students with Vögele's *Ergo Plus* operating system
- Provide students with an in-depth understanding of the *Niveltronic* grade and slope control system
- Provide students with the skills to perform proper routine maintenance
- Train students on troubleshooting
- Provide information on wear parts inspections and proper replacement levels

Course program:

Day 1

- Staying safe while operating a paver
- Paving fundamentals
- Paver and screed operation
- *Ergo Plus* features
- *Niveltronic* operation

Day 2

- Screed adjustments
- Prepare paver and screed for the paving job
- Routine maintenance
- Wear parts inspection
- Troubleshooting

Fee: \$250.00 per student

VÖGELE TECHNICAL SERVICE SCHOOLS: REGISTER ONLINE AT WWW.WIRTGENAMERICA.COM

CUSTOMER OPERATOR TRAINING - SUPER 2100-2

Who should attend:

The Customer Operator Training is intended for paver and screed operators involved in the daily paving operation.

The school is suitable for experienced operating personnel to learn more about Vögele equipment, but also for inexperienced personnel who need to learn how to operate paving equipment. No prior knowledge of Vögele equipment is required.

The school also is suitable for customer service personnel who need to learn the application details in combination with technical features of the paver.

Overview:

This course will cover the fundamentals of setting up and executing work at a paving job site. Emphasis will be placed on proper paving application techniques.

The school will provide thorough familiarization of the operation, as well as the unique and superior features of the Vögele Super 2100-2 paver, including *Niveltronic* automatic grade and slope systems.

An in-depth look at the paver displays and the use of the information provided by those displays will be undertaken.

Information on routine maintenance will be provided, as well as troubleshooting training.

The class will be a lecture with some shop exercises.

Objectives: 2-day course

- Provide students with the knowledge to operate a paver including proper preparation of job sites
- Acquaint students with Vögele's *Ergo Plus* operating system
- Provide students with an in-depth understanding of the *Niveltronic* grade and slope control system
- Provide students with the skills to perform proper routine maintenance
- Train students on troubleshooting
- Provide information on wear parts inspections and proper replacement levels

Course program:

Day 1

- Staying safe while operating a paver
- Paving fundamentals
- Paver and screed operation
- *Ergo Plus* features
- *Niveltronic* operation

Day 2

- Screed adjustments - including high density applications
- Prepare paver and screed for the paving job
- Routine maintenance
- Wear parts inspection
- Troubleshooting

Fee: \$250.00 per student

CUSTOMER SERVICE TRAINING - VISION PAVERS

Classes offered: • 8' Machines (Vision 5100-2 & Vision 5103-2) • 10' Machines (Vision 5200-2 & Vision 5203-2)

Who should attend:

The Customer Service Training is intended for technical personnel involved in the repair and preventive maintenance of any model Vision paver.

The school is suitable for experienced technical personnel to learn more about Vögele equipment, but also for inexperienced personnel who need to learn how to maintain and repair Vögele paving equipment. No prior knowledge of Vögele equipment is required. Basic mechanical skills are required.

Overview:

Emphasis will be placed on understanding and troubleshooting electrical control systems, as well as hydraulic systems.

An in-depth look at the paver displays and the use of the troubleshooting information provided by those displays will be undertaken.

Information on routine maintenance will be provided, as well as information on periodic wear parts inspection and replacement.

The class will be a lecture with some shop exercises.

Objectives: 3-day course

- Provide students with the knowledge of paver systems and their operation
- Acquaint students with troubleshooting features provided by Vögele's *Ergo Plus* operating system
- Train students on troubleshooting and provide necessary skills to resolve technical problems
- Provide students with the skills to perform proper routine maintenance
- Provide students with information on proper paver and screed adjustments
- Provide information on wear parts inspection and proper replacement levels

Course program:

Day 1

- Staying safe while working on pavers
- Functionality of paver systems
- Understanding *Ergo Plus* operational system

Day 2

- Using troubleshooting information provided by *Ergo Plus*
- Troubleshooting on electrical and hydraulic systems

Day 3

- Paver and screed adjustments
- Routine maintenance
- Wear parts inspection and replacement

Fee: \$375.00 per student

VÖGELE TECHNICAL SERVICE SCHOOLS: REGISTER ONLINE AT WWW.WIRTGENAMERICA.COM

CUSTOMER SERVICE TRAINING - SUPER 2100-2

Who should attend:

The Customer Service Training is intended for technical personnel involved in the repair and preventive maintenance of the Super 2100-2 paver.

The school is suitable for experienced technical personnel to learn more about Vögele equipment, but also for inexperienced personnel who need to learn how to maintain and repair Vögele paving equipment. No prior knowledge of Vögele equipment is required. Basic mechanical skills are required.

Overview:

Emphasis will be placed on understanding and troubleshooting electrical control systems, as well as hydraulic systems.

An in-depth look at the paver displays and the use of the troubleshooting information provided by those displays will be undertaken.

Information on routine maintenance will be provided, as well as information on periodic wear parts inspection and replacement.

The class will be a lecture with some shop exercises.

Objectives: 4-day course

- Provide students with the knowledge of paver systems and their operation
- Acquaint students with troubleshooting features provided by Vögele's *Ergo Plus* operating system
- Train students on troubleshooting and provide necessary skills to resolve technical problems
- Provide students with the skills to perform proper routine maintenance
- Provide students with information on proper paver and screed adjustments
- Provide information on wear parts inspection and proper replacement levels

Course program:

Day 1

- Staying safe while working on pavers
- Paving fundamentals
- Functionality of paver system
- Understanding *Ergo Plus* operation system

Day 2

- Understanding and using Vögele schematics
- Hydraulic schematic training
- Pressure testing

Day 3

- Analyzing and using trouble shooting information provided by *Ergo Plus*
- Electrical schematic training
- Troubleshooting

Day 4

- Paver and screed adjustments
- Routine maintenance
- Wear parts inspection and replacement
- Paver start-ups and demonstration

Fee: \$500.00 per student

DEALER SERVICE INTRODUCTORY TRAINING - VISION PAVERS

Who should attend:

Dealer Service Introductory Training is intended for technical personal involved in the repair and preventive maintenance of any model Vision paver.

The school is intended for inexperienced personnel who need to learn the basic paving fundamentals, basic concepts of the tractor and screed, as well as the operation and controls for the Vision Paver. No prior knowledge of the Vision Paver is required.

Overview:

Emphasis will be placed on understanding the fundamentals of the paving process and applying the controls of the Vision paver to these fundamentals.

There will be in-depth information for all display screens and controls for the paver and the screed, as well as all screed set-up and adjustments.

Students will also receive information on how to pre-deliver and setup paver.

The class will be lecture with some shop exercise.

Objectives: 3-day course

- Provide students with the knowledge of paving as well as general concept of the tractor-screed operation
- Students will be able to PDI and set paver up for demos and or delivery of the machine to the customer
- Provide detailed information of all paver-screed controls
- Provide information on screed adjustments and paver wear parts and maintenance

Course program:

Day 1

- Safety instruction
- Paving fundamentals
- Paver set-up and operation

Day 2

- Understanding the *Ergo Plus* operating system

Day 3

- Paver and screed adjustments
- Shop-hands on
- Test

Fee: \$375.00 per student

VÖGELE TECHNICAL SERVICE SCHOOLS: REGISTER ONLINE AT WWW.WIRTGENAMERICA.COM

DEALER SERVICE INTERMEDIATE TRAINING - VISION PAVERS

Who should attend:

Dealer Service Intermediate Training is intended for technical personnel who have completed Dealer Service Introductory Training, or have an equivalent knowledge of the paving application and some knowledge of the Vögele paver.

This class is an intermediate training course.

Overview:

Emphasis will be placed on understanding and troubleshooting electrical control systems, as well as hydraulic systems.

There will be extensive hands-on trouble-shooting, while using electrical and hydraulic schematics.

An in-depth look at all controls and displays will be undertaken.

Objectives: 4-day course

- A complete understanding of all paver components and their locations, electrical and hydraulic
- Ensure that students have a complete understanding of how to apply electrical and hydraulic schematics to the paver screens
- Student will also be able to calibrate all systems on the machine that require calibration

Course program:

Day 1

- Introduction to Wirtgen America and safety when paving
- All paver/screed controls and screens
- Electric and hydraulic component names and locations

Day 2

- Hydraulic schematics and hydraulic pressure checks

Day 3

- Electrical schematics and troubleshooting

Day 4

- Calibrations
- Test and closing

Fee: \$500.00 per student

DEALER SERVICE TRAINING - SUPER 2100-2

Who should attend:

The Dealer Service Training is intended for technical personnel involved in the repair and preventive maintenance of the Super 2100-2 paver.

The school is suitable for experienced technical personnel to learn more about Vögele equipment, but also for inexperienced personnel who need to learn how to maintain and repair Vögele paving equipment. No prior knowledge of Vögele equipment is required. Basic mechanical skills are required.

Overview:

Emphasis will be placed on understanding and troubleshooting electrical control systems, as well as hydraulic systems.

An in-depth look at the paver displays and the use of the troubleshooting information provided by those displays will be undertaken.

Information on routine maintenance will be provided, as well as information on periodic wear parts inspection and replacement.

The class will be a lecture with some shop exercises.

Objectives: 4-day course

- Provide students with the knowledge of paver systems and their operation
- Acquaint students with troubleshooting features provided by Vögele's *Ergo Plus* operating system
- Train students on troubleshooting and provide necessary skills to resolve technical problems
- Provide students with the skills to perform proper routine maintenance
- Provide students with information on proper paver and screed adjustments
- Provide information on wear parts inspection and proper replacement levels

Course program:

Day 1

- Staying safe while working on pavers
- Paving fundamentals
- Functionality of paver system
- Understanding *Ergo Plus* operationing system

Day 2

- Understanding and using Vögele schematics
- Hydraulic schematic training
- Pressure testing

Day 3

- Analyzing and using trouble shooting information provided by *Ergo Plus*
- Electrical schematic training
- Troubleshooting

Day 4

- Paver and screed adjustments
- Routine maintenance
- Wear parts inspection and replacement
- Paver start-ups and demonstration

Fee: \$500.00 per student



Close to
our customers



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