



TEREX[®]

TRAINING CATALOG 2024



FACTORY COURSES

TEREX IS THE COMPLETE TRAINING PACKAGE FOR YOUR SERVICE TECHNICIANS & OPERATORS.

The factory courses offer in-depth instructional learning with hands on experience like no other. Your student will receive documentation and student course information that is clearly written and understandable. The hands-on experience with simulators and machines (if available), will reinforce the classroom content. These courses are available at the Terex training facility or at your location.

Learn more at: <https://www.my.terex.com>

COURSE OFFERINGS

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PREFACE

Please Contact Us

In this brochure, you will find details of the courses available within the Terex North America customer training course program.

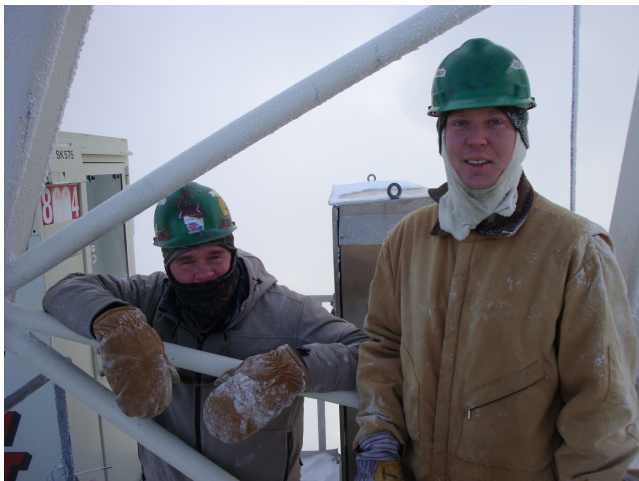
If you have any questions concerning our training courses please do not hesitate to contact us.



Robert Ourt
Technical Trainer
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Location

Terex USA, LLC
3147 South 17th St., Suite 100
Wilmington, NC. 28412



OUR MISSION

To offer our students, the most complete crane training in our industry.

To provide consistent, structured, and accurate world class training to our distributors, customers and team members.

To ensure the progressive learning and understanding of Terex Cranes to properly operate, maintain and troubleshoot our customers' investment.

TRAINING

Commitment to Excellence

Terex Technical Training can provide results to your operators, technicians and all other service personnel.

The Technical Training Group in Wilmington, NC. USA are well diversified in their crane knowledge.

From operation, troubleshooting and set up, our instructors can provide you with the needed skill sets for all your machines to maximize your crane uptime.

Our Technical Training Group can provide the most comprehensive training session You will be able to see your student's skill sets and with our training programs, allow your students to learn new products with the same consistent training.

Safety, productivity, consistency, confidence and value increase with crane knowledge. Invest today for your future.





TEREX®



TMTT-001 MOBILE TELESCOPIC APPRENTICE COURSE

Prerequisites:

Course: **None**

Experience / Skill: none

Students will be exposed to how load charts are constructed and how to properly read and interpret them. Load moment indicating systems operation and function will be covered with an emphasis on proper use, programming, and how the system functions.

Course Cost & Availability

Please contact:

Robert Ourt
(T) +1 910 279 3940
(E) Robert.Ourt@terex.com

Duration: 3 days

Course Subjects Covered:

- Crane terminology
- Major components
- System functionalities
- Proper crane setup and safety
- LMI familiarity
- Progression of control technologies
- Configurations
- Hydraulic circuit understanding
- Electrical circuit understanding
- Pneumatic schematic familiarity

Course Summary:

This course will help your technicians who are new to rough terrain cranes understand the functionality of the systems, components of these machines, and prepare them for the advanced technical training courses.

This program assumes no basic service and operational knowledge of Terex crane systems. We start the course with an in-depth review of crane terminology and technology so the students can relate to a crane's individual components and systems.

We then direct our attention to the legacy generation systems that use the Greer with OEM technology looking at the control logic structures.

Next, we will look at the following generation hydraulic system and finally the most current ACTIA system. A service technician will be exposed in the study of pneumatic, hydraulic, and electrical systems, and reading of their related schematic prints. These will give the student a working knowledge of the fully functioning rough terrain cranes as it has evolved from the older technologies.





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TMTT-002 MOBILE TELESCOPIC LEGACY COURSE

Prerequisites:

Experience / Skill: 1-2 years

Required equipment: Laptop,
Adobe Reader software installed

Course Cost & Availability

Please contact:

Robert Ourt
(T) +1 910 279 3940
(E) Robert.Ourt@terex.com

Duration: 3 days

Course Summary:

This course will help your technicians to understand the RT 230-1, RT 555-1, RT 665, RT 780, and RT 1120 family of cranes. This program assumes basic service and operational knowledge of Terex crane systems.

Students will be exposed to how load charts are constructed and how to properly read and interpret them. Load moment indicating systems operation and function will be covered with an emphasis on proper use, programming, and how the system functions.

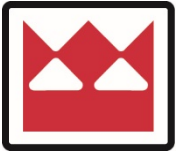
The program then introduces the student to CAN-Bus technology and how it interacts with a crane computer system that helps to diagnosis errors, output controllability, data exchange, and interaction with the LMI operating system.

By using the electrical, hydraulic and pneumatic schematics, we break down the individual circuits, giving students a good working knowledge of a fully functioning Terex crane.

Course Subjects Covered

- Crane terminology
- Major components
- System functionalities
- Proper crane setup and safety
- LMI familiarity
- Progression of control technologies
- Configurations
- Hydraulic circuit understanding
- Electrical circuit understanding
- Pneumatic schematic familiarity





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TMTT-003 MOBILE TELESCOPIC - S-PACE

Prerequisites:

Experience / Skill: 1-2 years

Required equipment: Laptop,
Adobe Reader software installed

Course Cost & Availability

Please contact:

Robert Ourt
(T) +1 910 279 3940
(E) Robert.Ourt@terex.com

Duration: 3 days

Course Summary:

This course will help your technicians to completely understand the RT 670, RT 780, Quadstar 1100, and RT 130. This program assumes basic service and operational knowledge of Terex crane systems. We start the course with an in-depth review of crane terminology and technology so the students can relate to cranes' individual components and systems. Students will be exposed to how load charts are constructed and how to properly read and interpret them. Load moment indicating systems operation and function will be covered with an emphasis on proper use, programming, and how the system functions.

The program then introduces the student to CAN-Bus technology and how it interacts with a crane computer system that helps to diagnosis errors, output controllability and data exchange. By using the electrical, hydraulic and pneumatic schematics, we break down the individual circuits, giving students a good working knowledge of a fully functioning Terex crane.

Course Subjects Covered:

- Crane terminology
- Major components
- System functionalities
- Proper crane setup and safety
- LMI familiarity
- Progression of control technologies
- Configurations
- Hydraulic circuit understanding
- Electrical circuit understanding
- Pneumatic schematic familiarity





TEREX®



RT100US ROUGH TERRAIN

Prerequisites:

Experience / Skill: 1-2 years

Required equipment: Laptop,
Adobe Reader software installed

Course Cost & Availability

Please contact:

Robert Ourt
(T) +1 910 279 3940
(E) Robert.Ourt@terex.com

Duration: 3 days

Course Summary:

This course will help your technicians to completely understand the RT100US. This program assumes basic service and operational knowledge of Terex crane systems. We start the course with an in-depth review of crane terminology and technology so the students can relate to cranes' individual components and systems.

Students will be exposed to how load charts are constructed and how to properly read and interpret them. Load moment indicating systems operation and function will be covered with an emphasis on proper use, programming, and how the system functions.

The program then introduces the student to CAN-Bus technology incorporated into the IC-1+ load moment indicator that will be used on this generation of cranes and how it interacts with the crane systems. The technicians will learn how the IC-1+ helps to diagnosis errors, output controllability, and data exchange.

The students will be required to conduct test procedures to troubleshoot and repair problems induced on their machine. A group discussion will be conducted to cover proper troubleshooting techniques utilizing the hydraulic and electrical schematics.

Course Subjects Covered:

- Crane terminology
- Major components
- System functionalities
- Proper crane setup and safety
- LMI familiarity
- Progression of control technologies
- Configurations
- Hydraulic circuit understanding
- Electrical circuit understanding
- Pneumatic schematic familiarity





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TRT40 / TRT70/ TRT80 / TRT100US ROUGH TERRAIN

Prerequisites:

Experience / Skill: 1-2 years

Required equipment: Laptop,
Adobe Reader software installed

Course Cost & Availability

Please contact:

Robert Ourt
(T) +1 910 279 3940
(E) Robert.Ourt@terex.com

Duration: 3 days

Course Summary:

This course will introduce the newest technology of the Terex cranes. The technicians will go in depth on the understanding of the new TRT40, TRT70, TRT80 and TRT100US models. This program assumes basic service and operational knowledge of Terex crane systems. We start the course with an in-depth review of crane terminology and technology so the students can relate to cranes' individual components and systems. Students will be exposed to how load charts are constructed and how to properly read and interpret them. Load moment indicating systems operation and function will be covered with an emphasis on proper use, programming, and how the system functions.

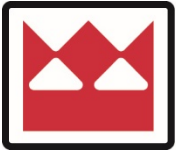
The program then introduces the student to CAN-Bus technology incorporated into the TEOS load moment indicator that will be used on this generation of cranes and how it interacts with the crane systems. The technicians will learn how the TEOS helps to diagnosis errors, output controllability, and data exchange.

The students will be required to conduct test procedures to troubleshoot and repair problems induced on their machine. A group discussion will be conducted to cover proper troubleshooting techniques utilizing the hydraulic and electrical schematics.

Course Subjects Covered:

- Crane terminology
- Major components
- System functionalities
- Proper crane setup and safety
- LMI familiarity
- Progression of control technologies
- Configurations
- Hydraulic circuit understanding
- Electrical circuit understanding
- Pneumatic schematic familiarity





TEREX®



THCT-001 HYDRAULIC CRAWLER HC LEGACY MACHINES

Prerequisites:

Experience / Skill: 1-2 years

Required equipment: Laptop,
Adobe Reader software installed

Course Cost & Availability

Please contact:

Robert Ourt
(T) +1 910 279 3940
(E) Robert.Ourt@terex.com

Duration: 3 days

Course Summary:

This is the first level of this series, the course showcases HC cranes 60-275 tons and covers all functions, mechanical, electrical, hydraulic, maintenance, adjustments, LMI, set-up.

Topics Covered

Review the functions (hydraulic & electrical), maintenance of the operating controls, main drive (engine, pumps), swing, propel, hoist, counterweight and booming systems. Also included: interpretation of load charts, basic boom configuration, and crane assembly of each model.

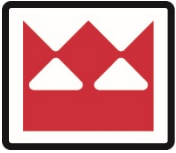
Troubleshooting Section

Start circuit, operation lock circuit, A2B, hoist auto & freefall circuits, boom kickout circuits, unload circuits, problems normally encountered during operation. Setup and calibration of LMI.

Course Subjects Covered:

- Crane terminology
- Major components
- System functionalities
- Proper crane setup and safety
- LMI familiarity
- Progression of control technologies
- Configurations
- Hydraulic circuit understanding
- Electrical circuit understanding





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THCT-002 HYDRAULIC CRAWLER HC110-1/120/285

Prerequisites:

Experience / Skill: 1-2 years

Required equipment: Laptop,
Adobe Reader software installed

Course Cost & Availability

Please contact:

Robert Ourt
(T) +1 910 279 3940
(E) Robert.Ourt@terex.com

Duration: 3 days

Course Summary:

This is the 2nd course of this series, showcasing the HC110-1, 120 & 285, It covers all functions, mechanical, electrical, hydraulic, maintenance, adjustments, LMI, set-up.

Topics Covered

Review the functions (hydraulic & electrical), maintenance of the operating controls, main drive (engine, pumps), swing, propel, hoist, counterweight and booming systems. Also included: interpretation of load charts, basic boom configuration, and crane assembly of each model.

Troubleshooting Section

Start circuit, operation lock circuit, A2B, hoist auto & freefall circuits, boom kickout circuits, unload circuits, problems normally encountered during operation. Setup and calibration of LMI.

Course Subjects Covered:

- Crane terminology
- Major components
- System functionalities
- Proper crane setup and safety
- LMI familiarity
- Progression of control technologies
- Configurations
- Hydraulic circuit understanding
- Electrical circuit understanding



CUSTOM ONSITE TRAINING

DESIGNED TO MEET YOUR NEEDS

SCOPE

Our instructors and developers will bring a different type of training to your students. Allowing them to understand our products at a much easier and faster pace as the content will be based on your machines and tailored to your immediate needs.

Training at your location can either be operator, maintenance or technical troubleshooting.

CONTENT

MACHINE SPECIFIC

Operator: These courses will include proper set-up and safety, load charts, ground bearing pressures, proper LMI setup, operation and navigation. Daily maintenance requirements, and any other special requirements that an operator must know.

Technical: These courses will include proper set-up and safety and load charts. Understanding of all control circuits and systems, LMI interaction, schematics, troubleshooting, and general maintenance items.

DEVELOPMENT TIME

Depending on the complexity of the machine, the number of the machines and whether it would be operator or technician training, the development time could be 8-10 weeks. Once we have determined your needs and have looked at our schedule, we would be able to give you a better idea of the development time.

COURSE TIME

The course length will be determined by the type of course, complexity of machine, number of students, and the percentage of training time (classroom and/or practical).

TRAINING COST

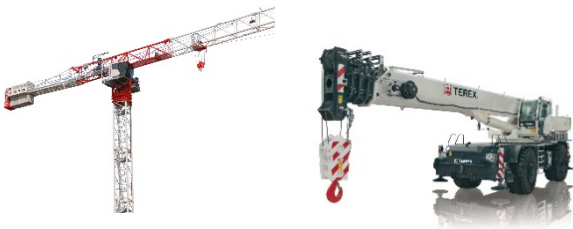
The cost of the course would be dependent upon the number of days and include the instructor's travel expenses (airfare, lodging, meals and ground transportation). A better understanding of the overall training cost can be obtained once we have received your information. Please fill out and submit a [Custom Training Request](#).

CONFIRMATION

Once we have received and reviewed your request, we will send you a quotation with the cost and proposed training dates. Confirmation of your training is secured once payment information (purchase order number or credit card) is received.

www.terex.com/cranes

January 2023. Product specifications and prices are subject to change without notice or obligation. The photographs and/or drawings in this document are for illustrative purposes only. Refer to the appropriate Operator's Manual for instructions on the proper use of this equipment. Failure to follow the corresponding Operator's Manual when using our equipment or to otherwise act responsibly may result in serious injury or death. The only warranty applicable to our equipment is the standard written warranty applicable to the particular product and sale and Terex makes no other warranty, express or implied. Products and services listed may be trademarks, service marks or trade-names of Terex Corporation and /or its subsidiaries in the USA and other countries. All rights are reserved. Terex, the Terex Crown design and Works For You are trademarks of Terex Corporation or its subsidiaries.



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