






COURSE PROGRAMME

Mondolfo Ferro's Training Centre provides an educational and training service with the aim of training users of its equipment. Courses are open to all specialists and people working in the sector.


Depending on the **type**, the courses can be:

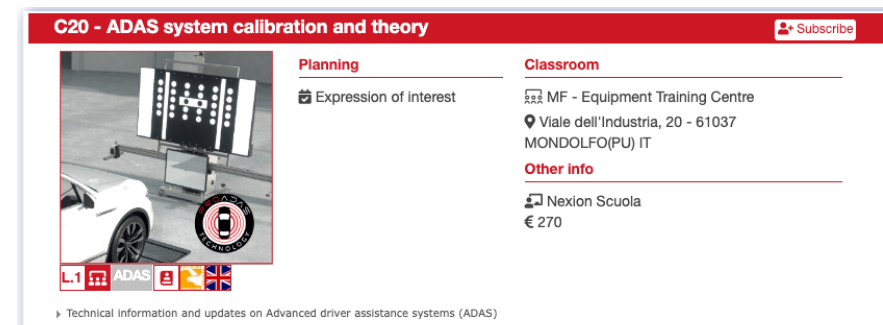
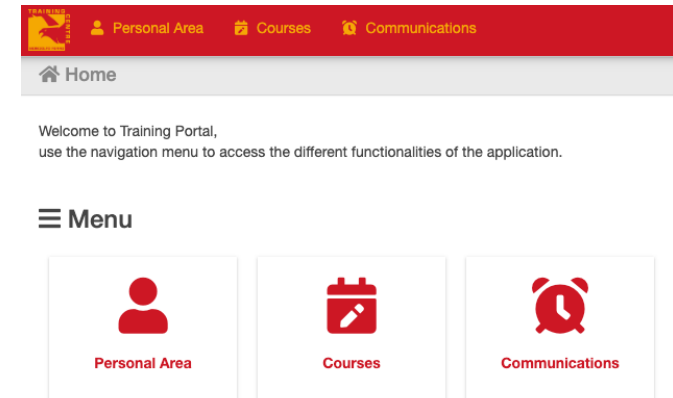
-  **IN-PERSON**, held in the training room;
-  **WEBINAR** live streaming, to be attended through Microsoft Teams platform.
-  **VIDEO-COURSE**, 24-hour availability online

In-person courses are generally aimed at **groups of a maximum of 8 people**: the limited number of participants allows for more effective and customised teaching, offering many opportunities to exchange views and for practice session on equipment.

Each participant will be provided with a free user account on the **Training Portal**, where he/she will be able to register for the courses he/she is interested in and **consult all the teaching materials related to the courses he/she has attended**.

Live streaming courses will be available in full for participants to review and download.

Upon completion of the course, each participant will receive a  **Certificate of participation** certifying the training contents.



Training portal trainingcentre.mondolfoferro.it

The **Training Centre** has large areas available, where **theory and practice are both possible**.



Classroom for theory

Training Centre, Viale dell'Industria 20, 61037 Mondolfo (PU) - Italy

The Mondolfo Ferro's Training Centre can now **be virtually toured**. This is thanks to **Matterport technology** that offers a realistic and immersive user experience, complemented by the possibility for the virtual visitor to view specific videos and download the commercial documentation for each product.





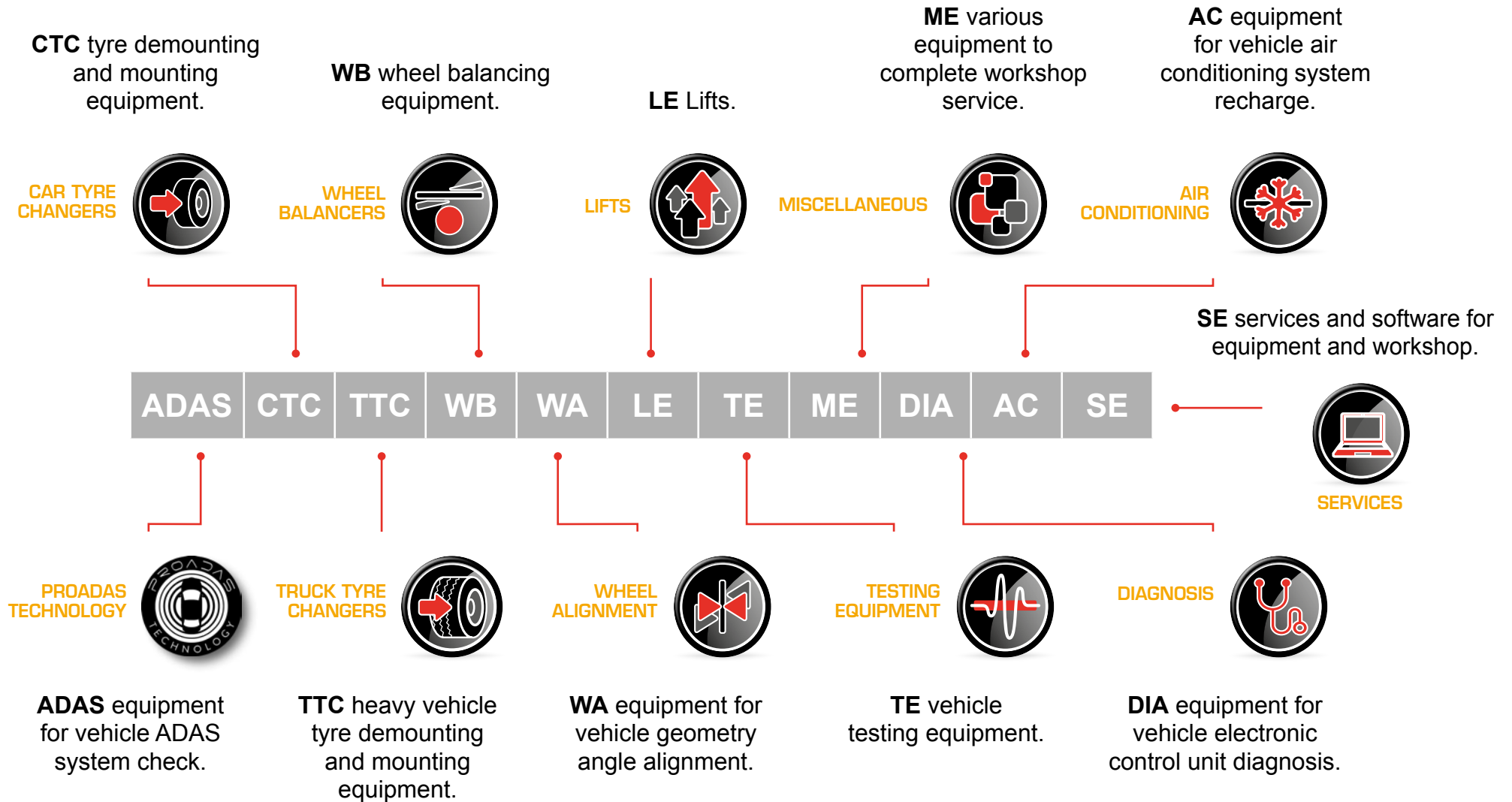
Enrico Meschieri

boasts **many years of experience in teaching safe and optimal use of technical** equipment and is appreciated for the quality and constant update of his training. Thanks to his experience, he is able to integrate traditional practices with modern technologies, being a reference for the use of tyre changers, wheel balancers, wheel alignment systems and the latest ADAS calibration technologies.



Salvatore Sigillo

is a trainer **specialising in the use of equipment for tyre specialists**, with extensive **experience in machine** service and repair. This practical experience allows him to offer targeted and comprehensive training, enabling trainees to also gain a technical understanding of tool operation and maintenance.



Category

INSTALLATION
this course is dedicated
to Service Technicians

**TECHNICAL /
COMMERCIAL**
this course is dedicated
to Service Technicians
and to salespersons



SERVICE
this course is
dedicated to
Service Technicians

USE
this course is
dedicated to
equipment users

Type

IN-PRESENCE
course held at
MONDOLFO FERRO

**VIDEO-COURSE,
24-HOUR availability
ONLINE**



WEBINAR
videoconference through
Microsoft Teams platform

Category



Content for product line



Type



Notes:

* the actual duration of the course will be agreed in advance with the trainer according to the number of registered participants and the equipment to be used for the training

Necessary preconditions:

Please specify the type of tyre changer used.

Theory and practice on using the WITHOUT LEVER tyre changers: Aquila TORNADO, Aquila RAPAX and Aquila RAPTOR.

Course content:

TYRE CHANGERS with WITHOUT LEVER technology:

- ▶ WITHOUT LEVER technology
- ▶ Demounting and mounting manual and automatic procedures (where applicable)
- ▶ Demounting and mounting procedure with pressure sensor
- ▶ RFT (WDK) demounting procedure
- ▶ TPMS tool for pressure sensors
- ▶ Ordinary maintenance
- ▶ Practical

At the end of the course the participant will be able to:

- ▶ Recognise the various types of rims and tyres
- ▶ Identify and use the optimal procedures for demounting and mounting operations
- ▶ Exploit the potential of the equipment and its accessories to operate safely and respecting the integrity of the wheel
- ▶ Carry out the maintenance operations required to maintain the equipment at an optimum performance level

Language



Duration



Price for the course



per person
VAT NOT INCLUDED

Code

X50_Corso_16

Category



Content for product line



Type



Course content:

- ▶ Wheel alignment theory
- ▶ Wheel alignment procedures
- ▶ Practical exercises
- ▶ Electrical steering reset
- ▶ Hints concerning ADAS wheel alignment-related systems

Language



Duration



Notes:

Price for the course



per person
VAT NOT INCLUDED

Code

X50_Corso_7

Necessary preconditions:

A basic knowledge of geometry check is advisable.

At the end of the course the participant will be able to:

- ▶ Understand the theoretical principles on the characteristic wheel alignment angles and recognise their effect on the tyre and when driving the vehicle
- ▶ Accurately perform all operations required for wheel alignment, ensuring compliance with technical standards
- ▶ Identify and apply the optimal procedures for proper and effective adjustment of the angles
- ▶ Perform the electrical steering reset procedures

Category



Content for product line



Type



Course content:

- ▶ Wheel centring
- ▶ Wheel balancing programs and imbalance theory
- ▶ Weight saving program
- ▶ Wheel diagnosis and Match-Mounting
- ▶ Program for positioning the wheels on the vehicle
- ▶ Eccentricity and wobble
- ▶ Practice on diagnostic wheel balancers
- ▶ Ordinary maintenance and calibration procedures

Language



Duration



Notes:

The course will be carried out on:

- MT 400C
- MT 3650C up

Price for the course



per person
VAT NOT INCLUDED

Code

X50_Corso_13

Necessary preconditions:

Please specify type of equipment used:
diagnostic or traditional wheel balancer.

At the end of the course the participant will be able to:

- ▶ Recognise the various imbalances and their effects on the wheel and the vehicle
- ▶ Professionally clamp the various types of wheels
- ▶ Exploit the various programs for professional balancing
- ▶ Use diagnostic programs and perform Match-Mounting on the wheel

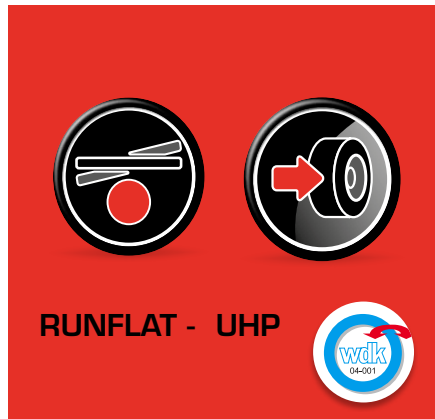
Category



Content for product line



Type



Course content:

- ▶ General information on Run-Flat tyres
- ▶ General information on RunFlat and UHP technology
- ▶ Basics regarding tyre pressure measurement and sensors (TPMS)
- ▶ Approved procedures for correct demounting/mounting
- ▶ Practical exercises
- ▶ Wheel balancing basic theoretical principles
- ▶ Practical exercises also including:
 1. main accessories and clamping systems for correct wheel balancing
 2. use of Alu programs for wheels with alloy rims (hidden weight)
 3. possibility of removing imbalances using the new sonar check technologies and weight reduction program

Language



Duration



Notes:

Practice on RunFlat and UHP mounting/demounting is carried out on WDK (German certifying body) approved equipment and also includes the wheel sensor test procedure (compulsory on newly type-approved cars from 2012) with the special TPM-02 tool.



Necessary preconditions:

Please specify the type of tyre changer used: "WITHOUT LEVER" or traditional.

At the end of the course the participant will be able to:

- ▶ Properly manage RunFlat and UHP tyres, understanding the technical specifications behind these products
- ▶ Apply approved procedures for correct demounting and mounting.
- ▶ Exploit the various programs for professional balancing

Price for the course



per person
VAT NOT INCLUDED

Code

X50_Corso_10

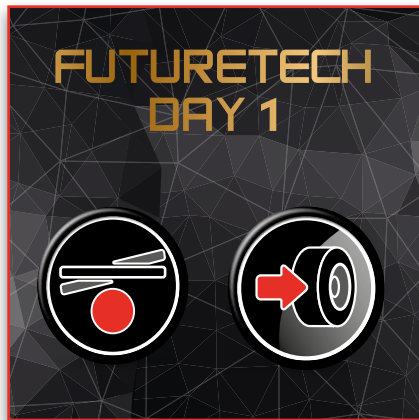
Category



Content for product line



Type



Notes:

The course will be carried out on:

- Aquila Tornado
- Aquila Rapax
- MT 4000C

Necessary preconditions:

Course content:

WITHOUT LEVER tyre changer:

- ▶ **WITHOUT LEVER** technology
- ▶ Demounting and mounting procedure with pressure sensor
- ▶ RFT (WDK) demounting procedure
- ▶ **TPMS** tool for pressure sensors
- ▶ Ordinary maintenance
- ▶ Practice on tyre changer

Diagnostic wheel balancers:

- ▶ Wheel balancing programs and imbalance theory
- ▶ Wheel centring
- ▶ Wheel diagnosis and Match-Mounting
- ▶ Practice on diagnostic wheel balancers

At the end of the course the participant will be able to:

- ▶ Recognise the various types of rims and tyres
- ▶ Identify and use the optimal procedures for demounting and mounting operations
- ▶ Use diagnostic programs and perform Match-Mounting on the wheel
- ▶ Carry out the maintenance operations required to maintain the equipment at an optimum performance level
- ▶ Exploit the potential of the equipment and its accessories to operate safely and respecting the integrity of the wheel

Language



Duration



Price for the course



per person
VAT NOT INCLUDED

Code

X50_Corso_17

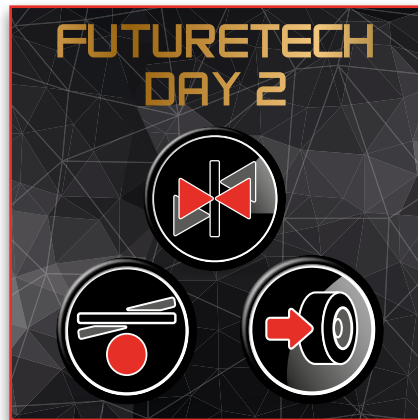
Category



Content for product line



Type



Notes:

The course will be carried out on:

- Trigon ROBOTEC
- Trigon QUICK VISION
- Aquila Tornado
- Aquila Rapax
- MT 400C

Necessary preconditions:

Course content:

Contactless technology

- ▶ Trigon ROBOTEC procedures and use and Trigon Quick Vision contactless pre-check (with hints regarding angle theory)
- ▶ “Electrical steering” adjustment

WITHOUT LEVER tyre changer:

- ▶ **WITHOUT LEVER** technology
- ▶ Demounting and mounting procedure with pressure sensor
- ▶ RFT (WDK) demounting procedure

Diagnostic wheel balancers:

- ▶ Wheel balancing programs and imbalance theory
- ▶ Wheel centring
- ▶ Wheel diagnosis and Match-Mounting
- ▶ Practice on diagnostic wheel balancers

At the end of the course the participant will be able to:

- ▶ Accurately perform all operations required for wheel alignment, ensuring compliance with technical standards
- ▶ Perform a complete diagnosis and analyse the wheel behaviour on the road.
- ▶ Exploit the various programs for professional balancing
- ▶ Exploit the potential of the equipment and its accessories to operate safely by respecting the integrity of the wheel

Language



Duration



Price for the course



per person
VAT NOT INCLUDED

Code

X50_Corso_26

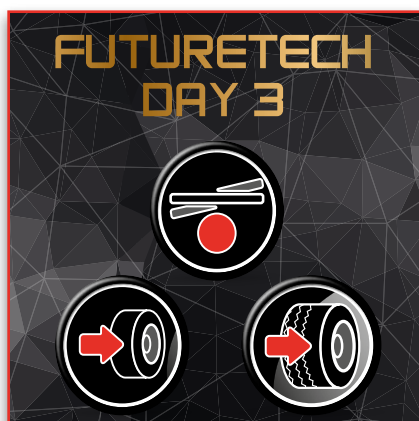
Category



Content for product line



Type



Notes:

The course will be carried out on:

- TBE 160 Matic
- Aquila Tornado
- Aquila Rapax
- MT 4000C

Necessary preconditions:

Contenuto del corso:

TBE 160 MATIC (heavy duty tyre changer WITHOUT LEVER):

- ▶ Demounting and mounting tubeless tyres
- ▶ Demounting and mounting tyres for agriculture
- ▶ Using accessories
- ▶ Ordinary maintenance
- ▶ Practice

WITHOUT LEVER tyre changers:

- ▶ WITHOUT LEVER technology
- ▶ Demounting and mounting procedure with pressure sensor
- ▶ RFT (WDK) demounting procedure

Diagnostic wheel balancers:

- ▶ Wheel balancing programs and imbalance theory
- ▶ Wheel centring
- ▶ Wheel diagnosis and Match-Mounting
- ▶ Practice

At the end of the course the participant will be able to:

- ▶ Recognise the various types of rims and tyres
- ▶ Identify and use the optimal procedures for demounting and mounting operations
- ▶ Use diagnostic programs and perform Match-Mounting on the wheel
- ▶ Carry out the maintenance operations required to maintain the equipment at an optimum performance level
- ▶ Exploit the potential of the equipment and its accessories to operate safely and respecting the integrity of the wheel

Language



Duration



Price for the course



per person
VAT NOT INCLUDED

Code

X50_Corso_19

Category



Content for product line



Type



Course content:

- ▶ Wheel alignment geometry angle theory
- ▶ Procedures and use of Trigon ROBOTEC and Trigon QUICK VISION contactless pre-check
- ▶ Using Full and Smart databases
- ▶ “Electrical steering” procedure and adjustment
- ▶ Practice

Language



Duration



Notes:

Necessary preconditions:

A basic knowledge of geometry check is advisable.

At the end of the course the participant will be able to:

- ▶ Understand the theoretical principles on the characteristic wheel alignment angles and recognise their effect on the tyre and when driving the vehicle
- ▶ Accurately perform all operations required for wheel alignment, ensuring compliance with technical standards
- ▶ Identify and apply the optimal procedures for proper and effective adjustment of the angles
- ▶ Perform the electrical steering reset procedures

Price for the course



per person
VAT NOT INCLUDED

Code

X50_Corso_15

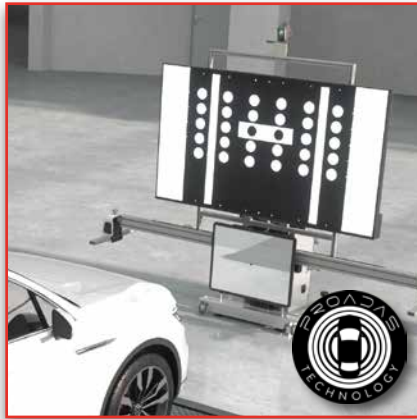
Category



Content for product line



Type



Course content:

- ▶ Theory and presentation of all ADAS systems and their future use
- ▶ Calibration procedures with PROADAS
- ▶ Wheel alignment pre-check procedures
- ▶ Practical exercises

Language



Duration



Notes:

Necessary preconditions:

A basic knowledge of ADAS systems is advisable.

At the end of the course the participant will be able to:

- ▶ Understand the operating principle, technical characteristics and operating modes of advanced driver assistance systems (ADAS)
- ▶ Identify and apply the optimal procedures for proper and effective adjustment of ADAS
- ▶ Exploit diagnostic tools in a proper and professional manner

Price for the course



per person
VAT NOT INCLUDED

Code

X50_Corso_20

Category



Content for product line



Type



Course content:

- ▶ Use and technical characteristics of equipment
- ▶ Demounting and mounting procedures
- ▶ Theory and information on rim/tyre characteristics
- ▶ Accessories
- ▶ Practice

Language



Duration



Notes:

The course will be carried out on:

- Aquila TORNADO
- Aquila RAPAX
- Aquila RAPTOR
- Aquila AS 944

Necessary preconditions:

Please specify the type of tyre changer used: "WITHOUT LEVER" or traditional.

Price for the course



per person
VAT NOT INCLUDED

Code

X50_Corso_21

At the end of the course the participant will be able to:

- ▶ Recognise the various types of rims and tyres
- ▶ Identify and use the optimal procedures for demounting and mounting operations
- ▶ Exploit the potential of the equipment and its accessories to operate safely by respecting the integrity of the wheel

Category



Content for product line



Type



Course content:

Tyre changer

- ▶ Use and technical characteristics of equipment
- ▶ Demounting and mounting procedures
- ▶ Practice

Wheel balancers

- ▶ Wheel centring
- ▶ Balancing programs
- ▶ Practice

Language



Duration



Notes:

The course will be carried out on:

- Aquila TORNADO
- Aquila RAPAX
- Aquila RAPTOR
- Aquila AS 944
- MT 400C
- MT 3650C up

Necessary preconditions:

Please specify the type

- of tyre changer used:
"WITHOUT LEVER" or traditional.
- of wheel balancer used:
diagnostic or traditional.

Price for the course



per person
VAT NOT INCLUDED

Code

X50_Corso_23

At the end of the course the participant will be able to:

- ▶ Recognise the various types of rims and tyres
- ▶ Identify and use the optimal procedures for demounting and mounting operations
- ▶ Exploit the potential of the equipment and its accessories to operate safely by respecting the integrity of the wheel
- ▶ Professionally clamp the various types of wheels
- ▶ Exploit the various programs for professional balancing

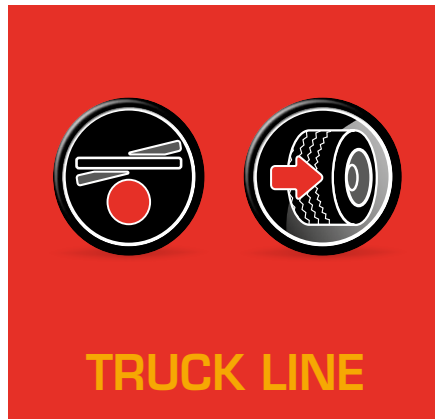
Category



Content for product line



Type



Course content:

- ▶ Use and technical characteristics of equipment
- ▶ Demounting and mounting procedures
- ▶ Theory and information on rim/tyre characteristics
- ▶ Wheel balancing procedures
- ▶ Imbalance theory
- ▶ Accessories

Language



Duration



Notes:

The course will be carried out on:

- TBE 160 Matic
- MT 6350

Necessary preconditions:

At the end of the course the participant will be able to:

- ▶ Recognise the various types of rims and tyres
- ▶ Identify and use the optimal procedures for demounting and mounting operations of truck and agricultural vehicle wheels
- ▶ Exploit the potential of the equipment and its accessories to operate safely by respecting the integrity of the wheel
- ▶ Professionally clamp the various types of wheels
- ▶ Exploit the various programs for professional balancing

Price for the course



per person
VAT NOT INCLUDED

Code

X50_Corso_11

In order to participate in our courses, it is necessary to have an active profile in our [Training portal](#).

If the applicant is not yet registered, he/she can activate it in two ways:

- ▶ independently at this [link](#).
- ▶ via e-mail at trainingcentre@mondolfoferro.it, by sending us the following information:
 1. **Company name and VAT no.** of the participant/company
 2. **Generic e-mail address of the participant/company**
 3. **First and last name** of the participant
 4. Participant **e-mail address** (can be the same as in point 2)
 5. Participant **mobile phone** (optional but recommended)


Upon registering, the participant will receive by e-mail the **credentials to access his/her personal area** within the Training Portal, where he/she will find all the information about the courses, the teaching materials and the certificate at the end of the course.

On the other hand, if the participant already has an active profile, he/she can enrol to the courses independently.

- ▶ Unless otherwise specified, the number of participants for each course is a minimum of 4 and a maximum of 8.
- ▶ Once the maximum number of participants has been reached, enrolment will be closed.
- ▶ If the minimum number of participants for each course is not reached, the course may not take place. In that case, interested parties will be duly informed in order to find the most suitable solution.
- ▶ If a company enrolls more than one person, the first will pay 100 per cent of the course fee, while from the second on a 50 per cent discount on the course fee will be granted.



Practical information

- ▶ The in-person courses  take place at the **Mondolfo Ferro Training Centre classroom**.
- ▶ The price of each course includes teaching materials and lunch in case the course lasts a full day.
- ▶ A certificate of attendance will be issued at the end of the course with positive result.
- ▶ Travel, transfers and in case accommodation are at the participant's expenses.
The names of partner hotels can be suggested on request.
- ▶ Enrolments must be received by e-mail or through the **Training Portal** trainingcentre.mondolfoferro.it.
- ▶ Enrolments will be considered confirmed after they have been approved by the **Training Centre**.
- ▶ Once confirmation has been received, the participant is asked to proceed with payment according to the terms agreed.
- ▶ **Any cancellation of enrolment must be notified by e-mail at least 7 days before the course start date. Failure to meet this deadline will result in the entire enrolment fee being charged.**



trainingcentre.mondolfoferro.it

TRAINING CENTRE

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CONTACT AND LOCATION INFORMATION

📍 Viale dell'Industria 20, 61037 Mondolfo (PU) - Italy

✉️ trainingcentre@mondolfoferro.it



Training Centre Virtual Tour

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