

# Operator Training Solutions Ltd

Unit 14 West Moor Park Networkcentre  
Yorkshire Way Armthorpe  
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Tel: 01302 830 050  
E-mail: enquiries@operatortrainingsolutions.co.uk

360° Excavator - Standard Reach Mini Micro Medium; Tracked/Wheeled

## Course Overview

To provide the theoretical and practical knowledge to safely operate a 360° Excavator

## Who Should Attend

Delegates who are required to safely operate 360° Excavator within the scope of any working activity they are employed to carry out.

## Course Content

The course will comprise theoretical and practical instruction covering the following:

- Responsibilities under the Health & Safety at Work Act 1974, PUWER 98 & LOLER 98
- Safe operating practices (company mobile plant rules if on customer premises), including evasive action-roll-over measures
- Daily and weekly maintenance schedules
- Identification of components
- Pre-shift checks and fault recording
- Start-up procedures
- Factors affecting stability
- Motive and hydraulic controls
- Manoeuvring in open and confined areas
- Travelling over different types of terrain including inclines
- Excavation principles
- Working on stock-piles/side casting/forming edge protection/forming ramps and work platforms
- Loading hoppers
- Loading production machinery/transport vehicles
- Trenching principles/reinstatement/working with a banksman/weather conditions
- General levelling and grading
- Batter formation (if applicable)
- Identification and changing of attachments
- Re-fuelling
- Parking and post-stop checks
- Travelling on the public highway
- Loading and unloading from a transporter (if applicable)

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## **Course Outcome**

### **Knowledge**

On completion of training candidates will have a theoretical understanding of the following:

- Responsibilities under the Health & Safety at Work Act 1974, PUWER 98 & LOLER 98.
- Machine stability and limitations
- Causes of accidents; risks associated with mobile plant
- Safe operating practices/understanding the operators handbook
- Pre-start checks, start-up procedures and safety checks
- Daily and weekly maintenance requirements
- Risk assessment/permit to work procedures/hazards associated with underground and overhead services
- Excavation principles
- Loading techniques
- Backfilling, grading, spreading and levelling of materials
- Identification of attachments particularly quick-hitch systems – safe removal and re-attachment
- Effects of differing weather conditions
- Lifting limitations
- Safe parking, re-fuelling and post-stop checks
- Safe loading and unloading procedures from a transporter (if applicable)
- Requirements for travelling on the public highway

### **Skill**

On completion of training the candidate will be able to:

- Carry out pre-start safety checks and start up procedures
- Manoeuvre and operate the vehicle correctly within the manufacturer's recommendations and to the operator's safety code
- Travel safely about site including inclines
- Manoeuvre accurately within confined spaces
- Follow safe operational procedures for excavation and extraction
- Work safely on stock-piles
- Load production machine and/or transport vehicles
- Backfill, grade, spread and level materials
- Correctly identify hitching systems and follow safe procedures for removal and re-attachment
- Safely load and unload from a transporter (if applicable)
- Correctly park, shut-down and secure the vehicle
- Carry out a post-stop inspection

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## **Course Requirements**

PPE (Ear Defenders, Goggles, Hi-Visibility Clothing, Overalls, Safety Boots, Gloves) as is necessary.

## **Course Durations**

Duration:	Novice Operator	Up to 10 Days
	Experienced Operator	3 Days
	Refresh & Test	2 Days

Ratio: 1 Machine: 3 Candidates: 1 Instructor

Note: Due to the wide application of this type of machine course durations will be adjusted to suit

## **Certification**

ITSSAR Certificate.

## **Note:**

Depending on limitations and work-related procedures on specific sites some elements may not be covered, other specific site elements may be included. This will be notified at the time of training.