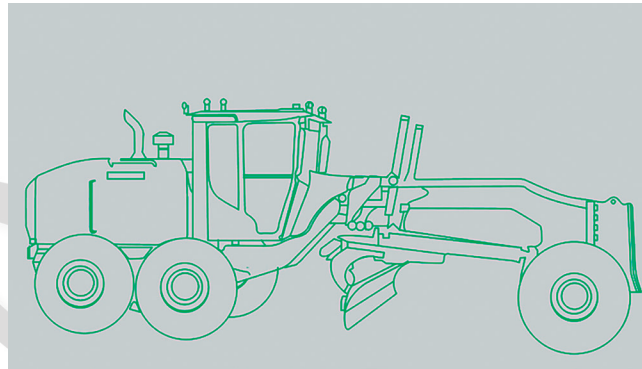# MOTOR GRADER
TRAINING PACK

Overview /

CM Labs' Motor Grader Training Pack is the most advanced grader simulation available today. From controls familiarisation and grader positioning, to windrow management, material spreading, and V-ditch creation, operators who train on Vortex simulators develop the aptitude and skills they need to master efficient motor grader operations.

Key features & benefits /

Simulation-based training is ideal for bridging the learning gap between the classroom and the worksite. It is never delayed by external conditions such as inclement weather. And because graders are expensive and extremely complex for novices to operate, the benefits of simulation training are even stronger.

CM Labs' Motor Grader Training Pack is a complete learning solution for grader operations. The training pack also incorporates self-guided learning features, including previews of each training exercise, and best-practice hints.

1. **A progressive learning program** covering skills ranging from controls familiarisation to windrow management, material spreading, V-ditch operations and more.

2. **Performance metrics and reporting** that provide trainers with objective feedback on operator habits and skills.

3. **Best-of-class excavator and grader simulation** that t ensures trainees understand how a grader works and how it reacts to operator behaviour.

NOVATOR
engineering solutions

I. Learning program

The Motor Grader Training Pack features progressive learning exercises - from beginner to advanced - designed to gradually build skill and confidence:

- Controls familiarisation

- Loading & unloading from lowboy trailer

- Windrow management

- Material spreading

- Leveling with obstacles

- V-ditch operations

- Stuck in mud

Trainees learn the fundamentals of motor grader work, including working with the machine interface panel, accurate maneuvering and operation, and materials management.

II. Performance measurement

Motor Grader Training Pack exercises can be played back for after-action performance review. The software also records objective performance metrics such as:

- Blade efficiency

- Blade contacts with wheels or obstacles

- Grade quality

- Idle time

- Cycle time

- Fuel consumption

- And more

With the optional instructor operating station, instructors can generate reports from training sessions, and review current and past performance.

III. Motor grader simulation

The Motor Grader Training Pack provides a complete engineering-grade simulation that has been rigorously field-tested by experienced operators and instructors from equipment manufacturers and top training schools. The complete grader is simulated, from powertrain to blade - the blade can be manipulated and positioned in the same way as on the real machine, including a functional saddle locking bar and automated cross-slope control.

The operator touchscreen displays key operating indications for cross slope, saddle locking bar, differential lock, hydraulic lock, and more. It also includes indicators for transmission, coolant, and hydraulic temperature, as well as a fuel gauge and articulation and slope indicators updated in real time.

CM Labs' motor grader training pack is unique in its simulation of a completely open training environment - you'll never be locked into fake game-like scenarios with easy wins. All challenges have multiple possible solutions, leaving it to the operator to exercise skills, creativity, and good judgement - just as in the real world.

new.novatorlab.ru
mail@novatorlab.ru
+7 (3822) 23-22-10

NOVATOR
engineering solutions