

# Cat® Command for Compaction



## CONSISTENT COMPACTION THROUGH AUTOMATION TECHNOLOGY

- Cat® Command for Compaction is an operator assisted, semi-autonomous technology that automates the compaction process based on operator inputs.
- Command controls the speed, direction, steering, and vibration system of the vibratory soil compactor to promote consistency in compaction.
- Dual RTK precision helps to achieve up to 60% better area coverage.
- Connects to commonly used base stations with no site design files or back-office work necessary.
- Operator tells the system WHERE to compact by physically defining the boundary of an area with the machine or loads a previously recorded and saved area from the display.
- Operator tells the system HOW to compact through three simple inputs
  1. number of passes to make at each amplitude setting
  2. ground speed
  3. amount of overlap
- After verifying area is safe and clear, operator engages Command and system executes compaction.
- Operator can intervene at any time to control the vibration system or stop the machine.
- Command includes an integrated object detection system alerting the operator if an object is in front of or behind the machine.



COMMAND



# COMMAND FOR COMPACTION

## > ELIMINATE SKILL GAPS

- Command performs at a constant speed, with the correct number of passes at the correct vibe setting and with the correct amount of overlap, no matter who is in the seat.

- Ensures uniform compaction process even on jobsites where multiple operators run a single machine.

## > UP TO 60% BETTER COVERAGE

- Command keeps compaction parameters consistent.
- Improve compaction coverage by up to 60% compared with a novice operator.

- Increased process control and precise overlap helps promote more consistent and predictable compaction results. Hit compaction targets more frequently.

## > TECHNOLOGY MADE SIMPLE

- Command is simple to set up. No need for back office work or site designs for system to operate. Command connects to commonly-used base stations and operator defines area to compact using the machine itself.

- Intuitive interface with 3 simple inputs needed after compaction area is defined.

## > INCREASED JOBSITE SAFETY

- Integrated object detection system alerts operator to objects in path of the machine. System is functional whether operator is in Auto or manually moving the machine.

- Several system interlocks help promote safe operation by preventing machine from entering Auto. If any interlock is triggered while machine has already been placed in Auto, the system automatically stops machine and ceases Auto operation.

## REQUIREMENTS

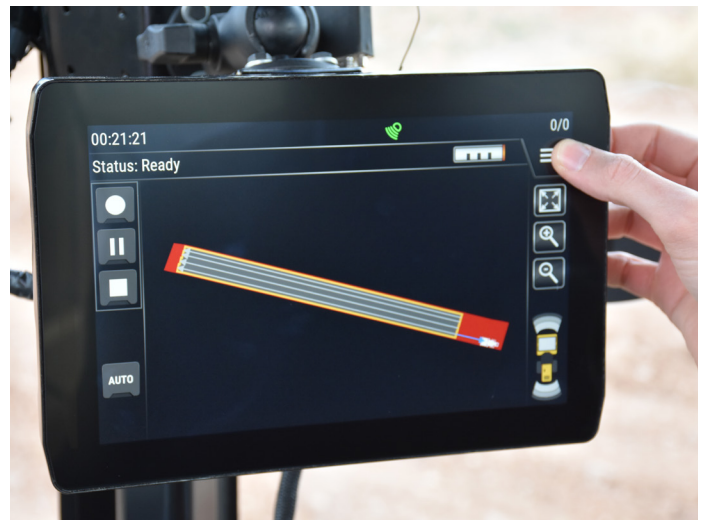
### Machine Needs

Positioning	Customer Owned	
	New Machine	Machine
GPS Antennas and Receivers	X	0
RTK Software Keys	X	0
RTK Corrections Radio	0	0
<b>Non-Positioning</b>		
Command Display	X	X
Operator Presence System	X	X
Electro-hydraulic Steering System	X	X
Inertial Measurement Unit	X	X
<b>Object Detection</b>		
Radar Sensor Package	X	X

### Site Needs

Base Station for RTK Corrections	0	0
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X = Included in Dealer-installed Command Kit  
0 = Provided by Dealer



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