

Trimble Grade Control Systems

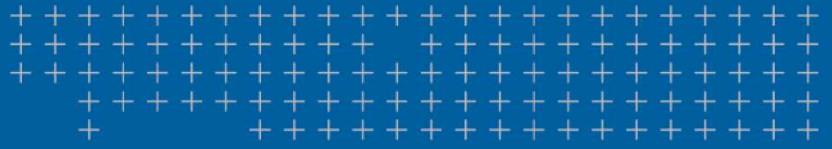
GCS900 3D for Excavators

Trimble offers the heavy and highway contractor the broadest range of Grade Control Systems in the industry. From 2D depth, slope, and elevation based to 3D GNSS or Total Station based, Trimble systems are rugged, easy to use, fully upgradeable, portable, and flexible enough to meet a wide range of application and jobsite requirements.

The Trimble GCS900 Grade Control System maximizes excavator performance. Whether grading simple trench and slopes or complex design surfaces and alignments the operator can get to grade faster, without sacrificing accuracy or quality of the final graded surface.

Trimble GCS900 3D Grade Control System for Excavators

Configuration	Application
Single GPS	Excavation to 3D complex design surfaces Trenching Slope work Embankments Bridge headers
Dual GPS	Roads/highways - mass excavation Large earthmoving projects - dams, reclamation, etc. Landfills, waste deposits Commercial/residential site prep - complex designs Underground utilities Pipelines, large trenching projects Dredging
Universal Total Station	Excavation applications requiring 3D centimeter-level guidance to 3D designs in areas where GPS coverage is challenging Inside buildings, tunnels In and around dense tree canopy Near tall buildings and structures

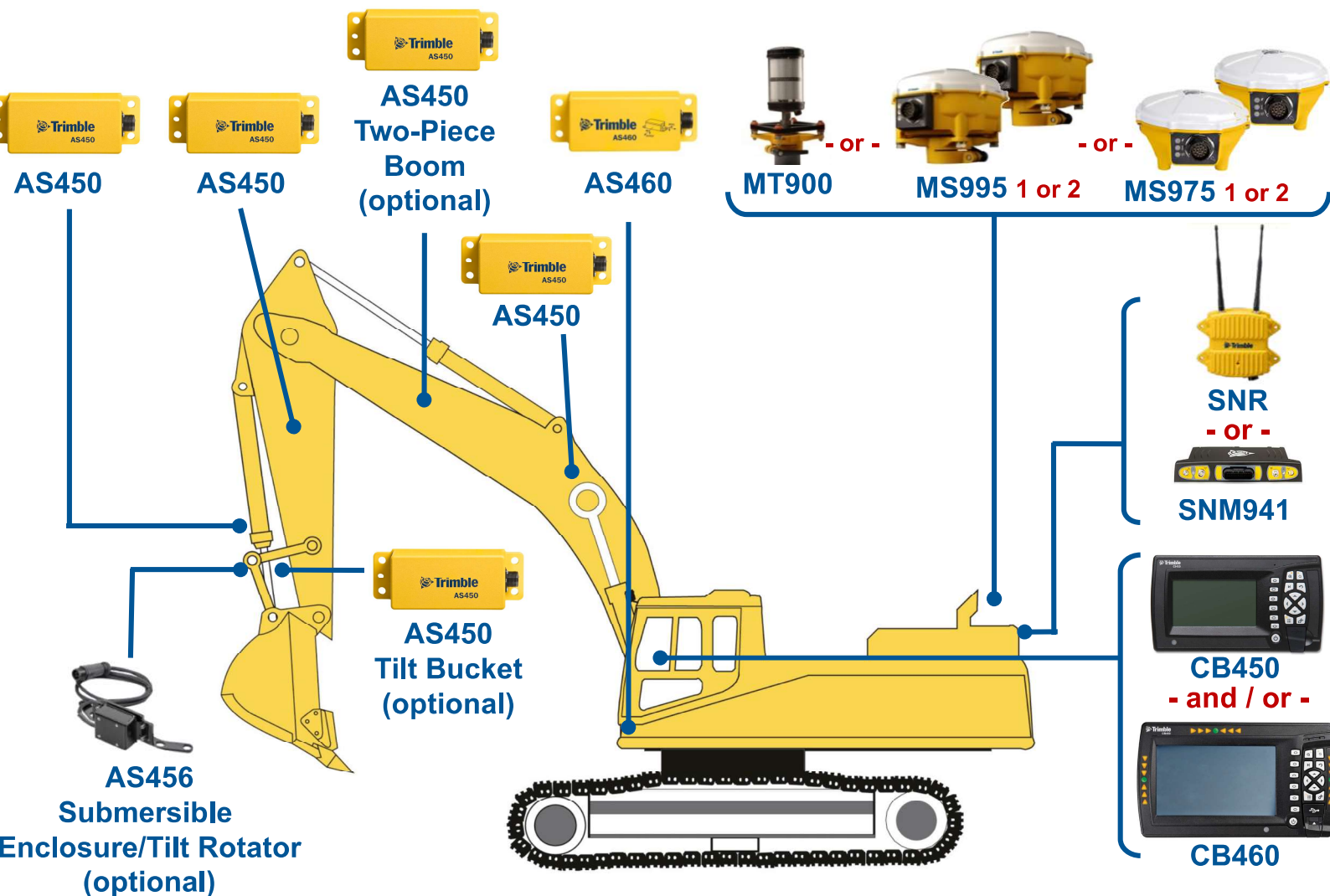


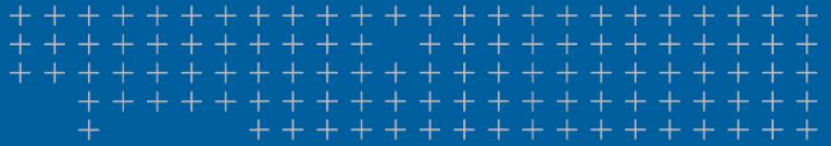
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GCS900 3D for Excavators

Key System Features:

- CB450 or CB460 full-color graphical control box with internal lightbars – 2D or 3D capable
- On-machine support available in 25 languages, configurable on-the-fly, with a button press
- Remote switch support for point collection – allows for operator to quickly collect as-built and site feature data
- Integrated smart GNSS antenna, mounted on counterbalance with quick release mounting for daily removal
- Single or Dual GNSS solution provides the most versatile excavator solution on the market
- Universal Total Station –based solution allows for operation in obstructed areas, tunnels, inside buildings.
- Gyro-augmented angles sensors provide maximum performance and response, increasing accuracy and preventing overcut
- On-machine components are portable between machine types, without software / firmware upgrades
- On-machine components are modular and can be added or removed depending upon applications
- Global solutions for two-way data transfer or synchronization of data files between the machine and the office





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GCS900 3D for Excavators | Off Machine Infrastructure

GCS900 2D with Laser Catcher	GCS900 3D with GNSS	GCS900 3D with MT900
 <p>GL700 Grade Laser</p>	 <p>GNSS Base Station</p>	 <p>Universal Total Station</p>