

TG63 GRADER 3D CONTROL SYSTEM | SALES FACTS

Our TG63 Grader 3D Control System is an automatic control solution that is developed and manufactured by CHCNAV. The focus of this product is to improve the productivity, quality, and efficiency of clients using grader machines. The TG63 system uses high-precision GNSS positioning and inertial guidance tilt-sensing technology to measure and adjust the 3D positioning of a grader's blade tip. The distance from design surface to blade tip is compared in real time and control parameters are used to raise and lower the grader blade automatically and in 3 dimensions. GR-Tech, our self-developed algorithm, makes pass for pass accuracy of $\pm 2\text{cm}$ and a smoothing index of 2cm/4m possible even with less skilled operators.



Features / Benefits

- High positioning accuracy → using RTK technology to obtain centimetre-level accuracy of the blade tip.
- Construction guidance → Real-Time cut and fill volume display with simple intuitive software on tablet in the cab, and automatic blade control.
- Robust design → Strong and durable, perfect for complex and demanding construction environments.
- Construction check → Operator can easily check and compare progress using high positioning accuracy and 3D design data.
- Ease of use → Switching from auto to manual mode is performed with only a click of a button.

Product Position

- Start
- **Pro**
- Elite

Customer Segments

- Construction
- Construction machine dealers
- Dealers of supporting equipment to construction machinery

Top selling points

- Automatic control
- Dynamic positioning with high accuracy
- Improved efficiency
- Improved precision
- Easy to use
- Easy to own

Value

- Improve productivity, save time
- High-precision positioning
- Save labour costs
- Save fuel costs

Key Regions

- Asia Pacific
- EU
- South America
- Africa

Affordable price



Complementary software

GradeNav 2.0



Milestones

Launch: 2021

