

3D Control for Excavators

X-53i LPS



Laser guided precision to deliver 3D control on all job sites



Robotic Total Station Control for Excavators

Exceed expectations with the modern LPS (Local Position System) for excavators series. This global solution has become the go-to choice for 3D positioning and repeatability, especially while working in harsh environments.

Durable IP69K rated tilt sensors

Powerful LongLink (Bluetooth) technology

Integrated LED light bars and audible alarm grade guidance

Inertial Measurement Unit (IMU) stability – bucket positioning

PowerTrack™ Tracking Technology

Single setup GNSS and LPS configurations

Conquer the site

Increase safety and save time even when excavating complex slopes or “in the blind”. It all starts with the impressive ability of the PS robotic total station to constantly track and stay with the glass prism – a feat made possible with intelligent algorithms working in the background.

In the cab, a user-friendly 3D-MC software interface offers just what you need for everyday excavation and to ensure that you stay on grade at every critical moment.

Add in an inertial measurement unit (IMU) to account for rotation and the system becomes complete.



MC-i4

Mounted inside the machine to prevent damage, this versatile receiver allows for multiple communication options.



TS-i3

Tilt sensors are mounted along the bucket, stick, boom, and body for complete 3D control at any angle.



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