

iSite TX73

Excavator Guidance System



► Highlights

The iSite TX73 system streamlines construction processes, reducing time and costs while ensuring high-quality results. Equipped with a high-precision GNSS receiver and durable IMU sensors, it provides accurate bucket tip position guidance to the design models. Operators can efficiently reach target surfaces without staking, boosting productivity and efficiency.



► Main Features



High Accuracy



Advanced Visualization



Wide Compatibility

► 3D Guidance System For Excavators



IS300 IMU Sensor



MC300 Receiver



MCPad300 Display



AT315 GNSS Antenna

► CHCNAV Machine Control Solutions



TG73 Grader Control

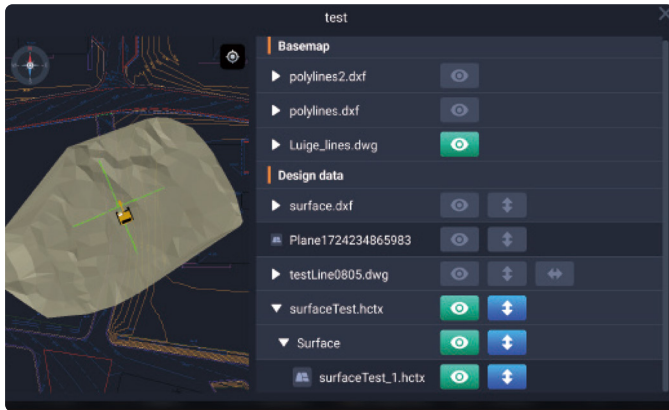


TD73 Dozer Control



GNSS RTK Base and Rover

► Superior Visualization and Customization



1. 3D views: high-fidelity CAD drawings with first-rate 3D visualization.
2. Customizable shortcuts: tailor workflows with ease.
3. Real-time progress monitoring: color-coded maps display project progress and results in real time.
4. Versatile modes: seamlessly switch between 2D and 3D views.

► User-Friendly Operation



1. Intuitive calibration: guided calibration wizards simplify setup.
2. Rapid start-up: begin operations immediately.
3. Remote access and updates: use the iSite cloud platform for troubleshooting, data synchronization, and online updates.

► Comprehensive Compatibility



1. Attachment support: compatible with standard buckets, tilt buckets, tilt-rotators, and trapezoidal buckets.
2. GNSS RTK integration: works with a wide range of radio protocols, including support for the Satel external radio module.
3. Global coordinate systems: includes editable presets and supports various file formats such as *.dc, *.cal, *.jxl, *.lok, and *.loc.

► Rugged and Reliable Hardware



1. Durable design: industrial-grade components ensure long-term reliability.
2. High-performance: the MC300 receiver offers seamless integration.
3. Robust sensors: features an IP69K-rated IS300 IMU sensor.
4. Premium antenna: IP68-rated GNSS antenna with a metal base ensures durability.

► Use Cases



Road and Highway Construction



Slope and Embankment Construction



Trench Excavation



Foundation Excavation

SPECIFICATIONS

► MCPad300 Display

Size (W × L × H)	281 × 181 × 42 mm
Weight	1.5 kg
Screen	10.1" 1920 × 1200 pixels
System	Android 14 8-core up to 2.2 GHz 6G RAM + 64G ROM
Operation Temperature	-30°C to +60°C
Storage Temperature	-30°C to +70°C
Ingress Protection	IP67

► IS300 IMU Sensor

Size (W × L × H)	48.9 × 109 × 27.3 mm
Weight	0.115 kg
Power	7-36 V DC
Static Accuracy (RMS)	± 0.05°
Dynamic Accuracy (RMS)	± 0.1°
Shock	50 G / 11 ms
Vibration	7.7 Grms, 10-1000 Hz
Operation Temperature	-40°C to +75°C
Storage Temperature	-50°C to +85°C
Ingress Protection	IP69K

► MC300 Receiver

Size (L × W × H)	215 × 154 × 58 mm
Weight	1.11 kg
Power	7-36 V DC
Real-Time Kinematics (RTK)	Horizontal: 8 mm + 1 ppm RMS Vertical: 15 mm + 1 ppm RMS
Operation Temperature	-30°C to +65°C
Storage Temperature	-40°C to +85°C
Ingress Protection	IP67

► AT315 GNSS Antenna

Size (L × W × H)	40 × 140 × 55 mm
Weight	0.7 kg
Power	3.3-12 V DC
Gain	40 ± 2 dB
Noise Coefficient	≤ 2 dB
Shock	40 G / 11 ms
Vibration	7.7 Grms, 10-1000 Hz
Operation Temperature	-40°C to +75°C
Storage Temperature	-50°C to +85°C
Ingress Protection	IP68

*All specifications are subject to change without notice.

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