



Guangzhou XFIX Navigation Technology Co., Ltd.

Build Precision, Position Future.

Innovation, Responsibility, Precision

Enhancing construction quality and efficiency
with the power of digitalization.

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01

COMPANY INTRODUCTION

Company Overview

Guangzhou XFIX Navigation Technology Co., Ltd. was established in Guangzhou in 2025. The company is dedicated to the field of intelligent machinery control and is a specialized enterprise in the development of BDS-based intelligent guidance systems for excavators. It has contributed to the large-scale application of Beidou navigation in the construction machinery sector.

The product technology has reached an internationally advanced level and occupies a leading position in China's portable excavator intelligent guidance system field.





02

TECHNOLOGY R&D



R&D Capabilities

As an innovative brand in the field of excavator intelligent guidance systems, Guangzhou XFIX Navigation Technology Co., Ltd. has a well-established R&D system, placing great emphasis on cultivating technological innovation talent. The company continues to invest in R&D and adheres to an open, cooperative international innovation strategy. It has established close partnerships with numerous domestic and international research institutions. Through collaborative efforts, the company has gained a leading advantage in key technological areas.



Core Technology



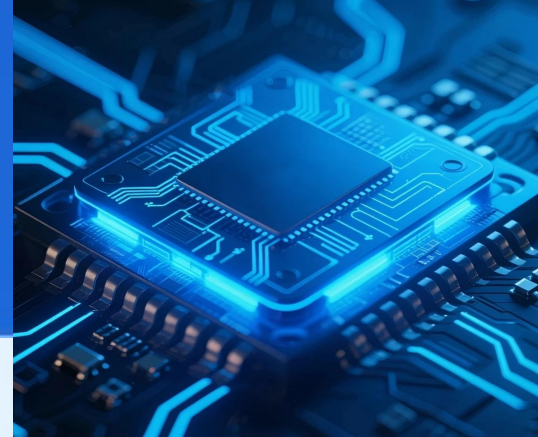
Core Algorithm

The company has full autonomy over the architecture and underlying logic, having developed a unique machinery control core algorithm.



Manufacturing Advantage

With rich experience in intelligent manufacturing, the company has established a comprehensive environmental laboratory that can respond in real-time to customers' customized product and R&D needs.



Hardware Advantage

The company employs highly reliable circuit design to meet deep customization requirements, with continuous optimization possible through OTA upgrades.

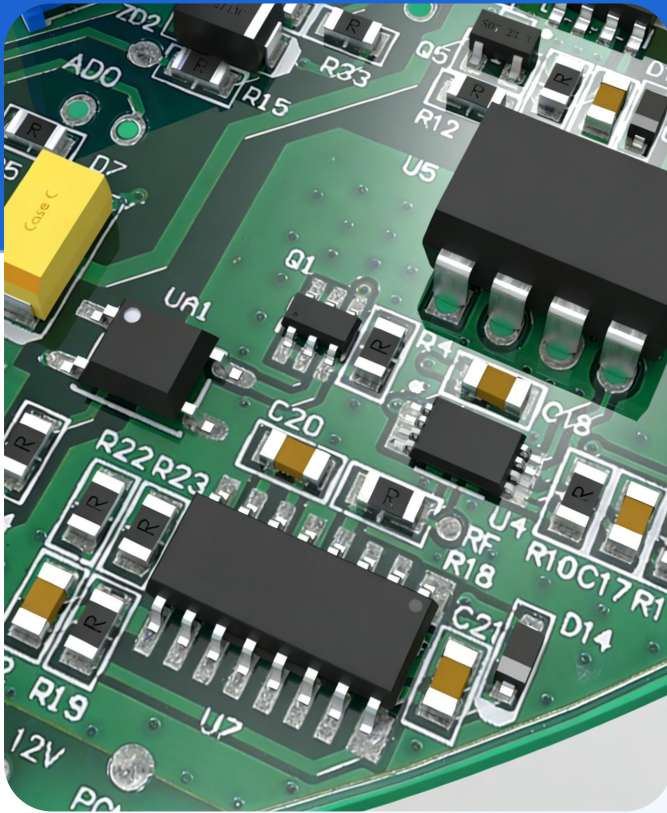


Software Advantage

An open, intelligent software ecosystem that supports software function customization.

Manufacturing Advantages

With extensive experience in intelligent manufacturing, the company has established a comprehensive environmental testing laboratory, enabling rapid response to customers' customized product requirements and R&D needs.



Industry–Academia–Research Collaboration

Integration of Academia and Research, Driving Technological Breakthroughs.

University Collaboration: Establishing long-term industry-academia-research partnerships with domestic universities

Research-Oriented: Jointly advancing cutting-edge technology research and innovation

Standards Development: Actively participating in the development of industry technical standards

Talent Development: Jointly cultivating specialized talent and building a sustainable talent pipeline

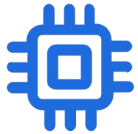


A low-angle, upward-looking shot of several modern skyscrapers with glass facades, creating a sense of height and scale. The entire image is overlaid with a semi-transparent blue filter. The text is centered in the upper half of the frame.

03

PRODUCT INTRODUCTION

Product Portfolio



Hardware Product Series

GNSS Receivers、Antennas、
Data Controllers、
Leveling Devices、Tablets
Pipeline Robots



Software Platforms

Positioning & Control Software
Data Analysis & Management Platform
Industry-Specific Customized
Application Solutions



Core Advantages

Providing high-quality services with warranty standards that exceed current industry benchmarks. The instruments are trusted by customers both domestically and internationally for their accuracy, and portability.

Product Application Areas



Construction Machinery

Intelligent Construction · Precision Assurance

Geospatial Information

Surveying · Mapping

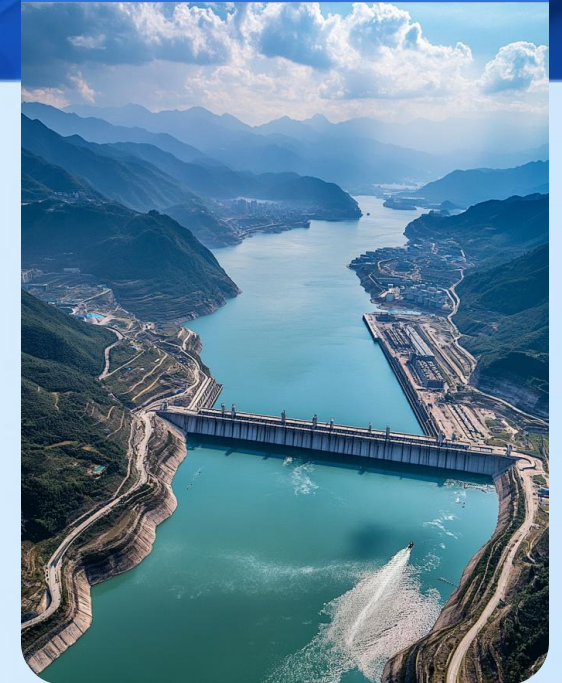


Precision Agriculture

Autonomous Driving · Variable-Rate Operations

Deformation Monitoring

Bridges · Dams · Slopes · Safety
Early Warning



YCT Product Series



Specification

Model: H5Pro

Material: Aluminum alloy

Dimensions: 300*205*106 mm

Weight: $\leq 2.1\text{kg}$

Key Features

- Intelligent excavator guidance system
- Centimeter-level high-precision positioning
- Measurement at any angle for both boom and stick
- Suitable for leveling, trenching, slope trimming, and similar operating scenarios



Specification

Model: BASE

Material: Magnesium alloy + ABS/PC

Dimensions: 100.5*100.5*69mm

Weight: $\leq 0.65\text{kg}$

Key Features

- Full-constellation, full-frequency GNSS receiver
- Centimeter-level positioning with accuracy $< 2\text{ cm}$
- Comprehensive data links supporting 4G, Bluetooth, and Wi-Fi

YCT Product Series



Specification

Model: AT80

Dimensions: 281*181*42mm

Weight: 1.5kg

Key Features

- Automotive-Grade Intelligent In-Vehicle Tablet
- 10.1 -inch large display
- Vehicle power supply
- Supports Wi-Fi, Bluetooth, and 4G networks



Specification

The YCT App is a simple and user-friendly construction machinery-assisted operation application developed on the Android platform. It features a clear and intuitive interface with comprehensive functions including leveling, trenching, and slope trimming. With a newly upgraded multi-functional interaction design, the app is tailored to the real working habits of excavator operators. During excavator operations, it provides visualized real-time construction measurements, delivering an unprecedented measurement experience for users engaged in intelligent excavator construction.

Receiver Product Series



Specification

Model: LP3

Material: Magnesium alloy main body

Dimensions: 148.8*105*50.3mm

Weight: 490g

Key Features

- Full-constellation, full-frequency support
- Linux-based intelligent system platform
- Compatible with multiple communication protocols
- Rich interfaces with diverse communication options



Specification

Model: LP5

Material: Aluminum alloy housing

Dimensions: 172*148*58mm

Weight: ≤1.9kg

Key Features

- Full-constellation, full-frequency support
- Linux-based intelligent system platform
- Compatible with multiple communication protocols
- Rich interfaces with diverse communication options

Data Collector Product Series



Specification

Material: RC320

Dimensions: 226.3*90.6*16.9mm

Weight: 412g

Key Features

- Equipped with Android 10 operating system
- 5.5-inch, 500 nit sunlight-readable display
- IP68 waterproof and dustproof rating
- Extended battery life, supporting up to 22 hours of continuous operation



Specification

Model: RC325

Dimensions: 305*90.6*37mm

Weight: ≈510g

Key Features

- Positioning accuracy: up to ± 2 cm
- 5.5-inch, 500 nit sunlight-readable display
- IP68 waterproof and dustproof rating
- Standard full QWERTY keyboard
- Multiple data communication options

Data Collector Product Series



Specification

Model: RC520

Dimensions: 227.8*95.8*20.9mm

Weight: 420g

Key Features

- Equipped with Android 12 operating system
- 5.5-inch, 500 nit sunlight-readable display
- IP67 waterproof and dustproof rating
- Standard full QWERTY keyboard
- Multiple data communication options



Specification

Model: RC525

Dimensions: 320*95.8*40mm

Weight: 517g

Key Features

- Positioning accuracy up to ± 2 cm
- 5.5-inch, 500 nit sunlight-readable display
- IP68 waterproof and dustproof rating
- Standard full QWERTY keyboard
- Multiple data communication options

Antenna Product Series



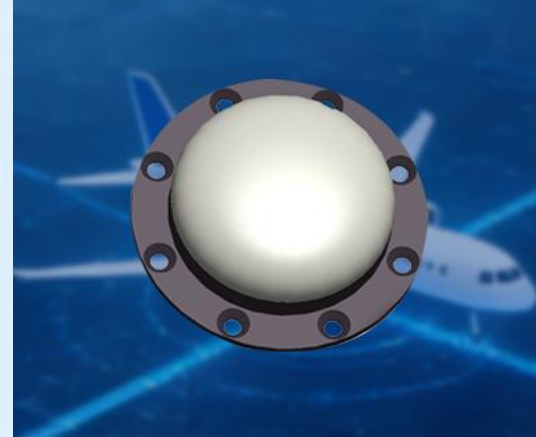
Choke Ring Antennas

The key advantage lies in effective multipath interference suppression. Sub-millimeter-level phase center stability enables suitability for continuously operating CORS stations, bridge and building deformation monitoring, and geological monitoring applications.



Survey Antennas

Specifically designed for high-precision positioning and surveying, featuring low noise performance, stable phase center characteristics, and multi-frequency, multi-constellation compatibility, serving as essential equipment for surveying and monitoring applications.



Aviation Antennas

Built-in low-noise amplification and multi-stage filtering provide excellent out-of-band rejection and strong anti-jamming performance, ensuring reliable operation in harsh electromagnetic environments. Widely applied in aerospace, vehicle positioning, and UAV high-precision navigation and positioning applications.



Helix Antennas

Meet current requirements for multi-constellation compatibility and high-precision measurement, suitable for size- and weight-sensitive applications such as UAVs, mini RTK devices, and sub-meter-level handheld or tablet devices.

A low-angle, upward-looking perspective of several modern skyscrapers with glass facades. The image is overlaid with a solid blue color, creating a monochromatic effect. The perspective draws the eye towards the top of the frame where the buildings converge.

04

SERVICE ASSURANCE

High-Quality Service Assurance



24/7 Technical Support

You can reach our support team anytime, anywhere via email, Wechat, phone, or WhatsApp. We commit to responding to all your inquiries within 24 hours.



Professional Services

Our technical support team possesses extensive expertise. We resolve all your technical issues directly or work diligently until a satisfactory alternative solution is found.



Technical Training

We provide comprehensive professional training courses for all products, covering fields such as surveying, machinery control, and precision agriculture.



Thank you

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