Grow your way.

Proven precision measurement with a plan.



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Topcon Agriculture

High-precision hardware, software and data to bring you efficiency and enhanced productivity to every phase of the farming operation.







Legacy in precision

Fueled by economic, environmental, social, and political factors, farmers need solutions that reduce inputs, increase production, and promote sustainability. At its core, precision agriculture optimizes profitability and efficiency through measurement technology.

Topcon stems back 90 years in surveying and over 40 years in agriculture developing key solutions for crop and livestock production. We are committed to bringing impactful solutions for global agriculture by leveraging core technologies in guidance, correction services and digital farm management throughout key applications in soil preparation, seeding, crop care, harvest, weighing, and feed management.



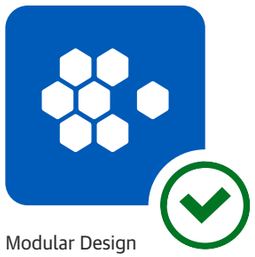
Proven with a plan

We offer a wide range of proven precision measurement technology for key applications backed by ever-expanding global support.

Leveraging a wealth of experience and internal expertise, we have a clear plan; simplify connectivity and develop open platforms with flexible, modular designs to suit the varying needs of farming.


Strategic Plan


IoT Connected


Modular Design







How can you Benefit from Precision Agriculture Technology?

Increase Profitability	Reduce Inputs	Improve Efficiency	Reduce Fuel & Maintenance	Reduce Application and Labor Costs	Accelerate Planning
	Increase Production	Maximize Land	Improve Crop Quality	Improve Fertility and Yield	Analyze Data to Improve
Empower Labor	Improve Accuracy and Skill	Reduce Fatigue/Stress	Operate 24/7	Reduce Repetition and Manual Activities	Efficiently Collect Data
Improve Sustainability	Drive Long-Term Success	Reduce Environmental Impact	Improve Labor Longevity	Support the Future	Adhere to Regulations

Guidance

Steering you right from the start.

Accurate positioning is the cornerstone of site-specific management. Tracking location, it's not only required for precise control, but expansive data collection, enabling farm professionals to compare different types of information (e.g., yield, soil type, fertility, etc.) for better decisions. Most utilized for real-time operation through manual guidance and autosteering, the benefits of improved efficiency, reliable performance, and reduced fatigue have made it the most widely adopted technology in agriculture.

We pioneered multi-constellation GNSS pinpoint positioning and has supported the global industry standards – ISO protocol, from the start. Guidance is the key to accuracy and the heart of precision farming. We offer modular solutions to suit virtually any machine and operation.





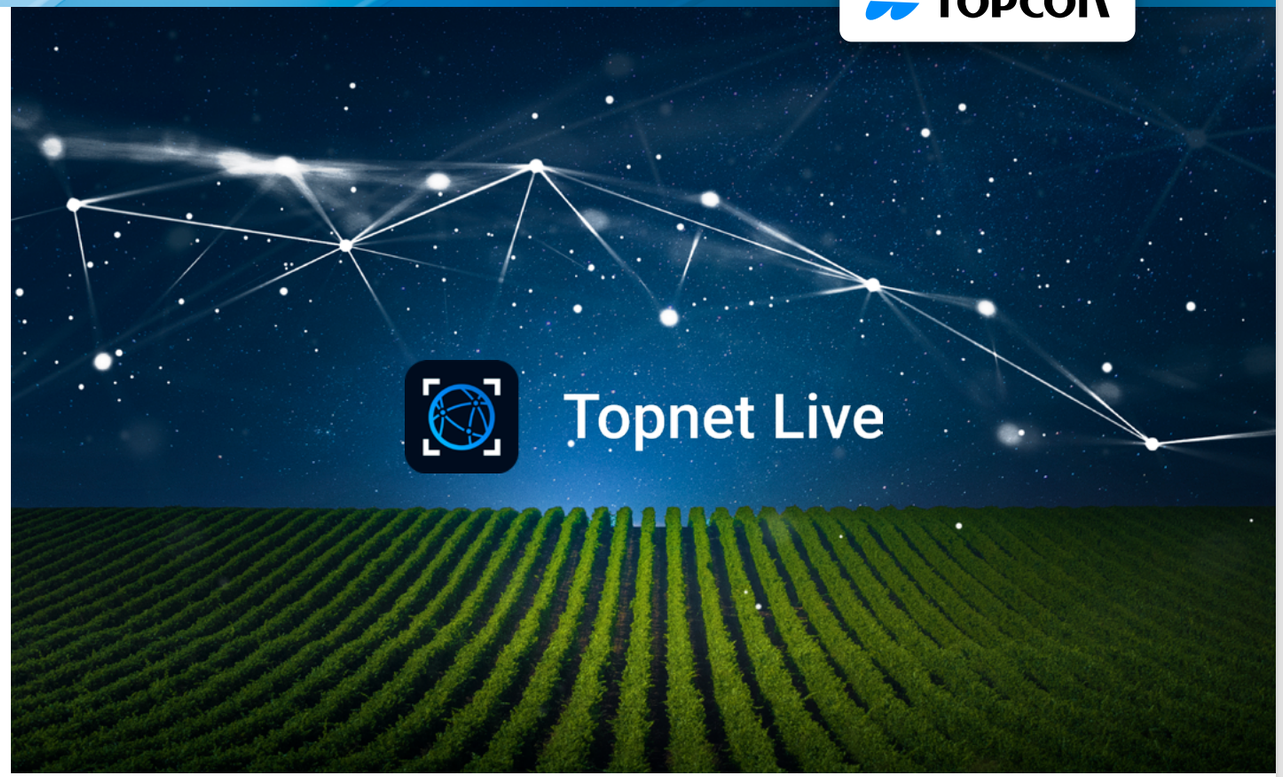


Correction Services

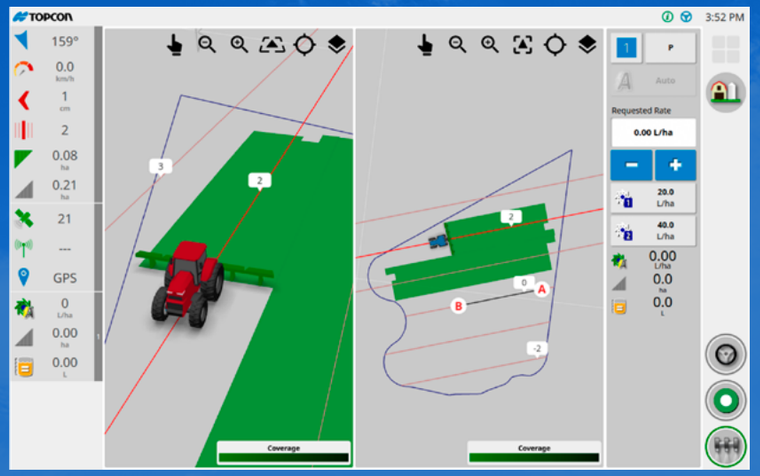
Get the most out of every square centimeter you farm.

Correction services are essential to the accuracy of GNSS-based guidance and autosteering to support key applications throughout the crop cycle, including soil preparation, seeding, crop care, and harvest. To account for the variable conditions and demands of global agriculture, we have built a full suite including localized- and network-based solutions to deliver high-quality accuracy and repeatability for any agricultural operation, application and machine.

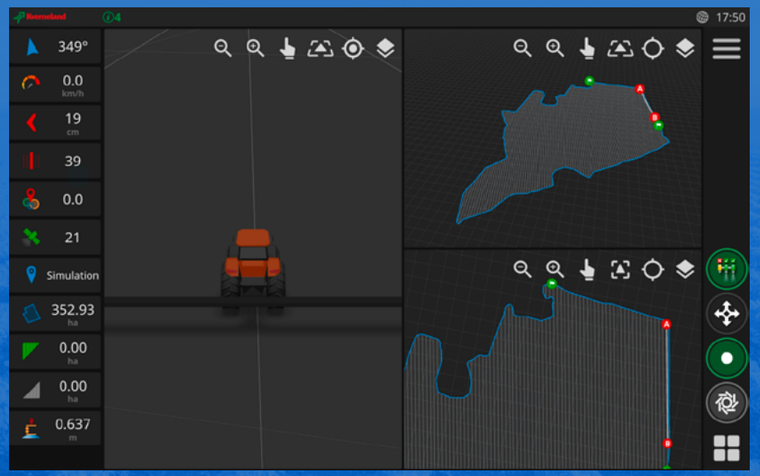
Now more flexible than ever, including cellular and satellite subscriptions, Topcon correction services are globally tested, proven and reliable. Equipped tractors, sprayers, spreaders and harvesters benefit from fast initializations and reliable positioning any time of the day or night.







Horizon OS - Tillage Control example



Horizon OS - Spraying Control example

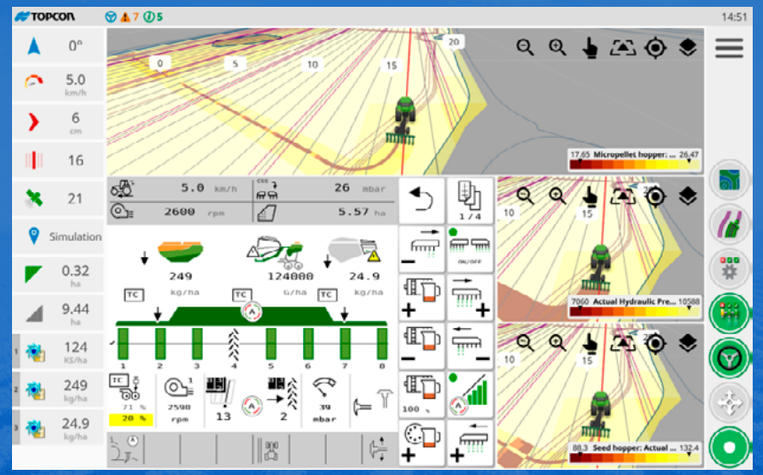
Topcon Horizon OS

Built for how you actually work.

Every operator has a preferred way to work. Horizon 6 machine control software finally lets the interface match that preference rather than forcing your team to conform. Horizon 6's revamped 3D environment was tuned with real operator feedback and designed for a distraction-free experience in the field. Because it works with virtually any machine or implement via ISOBUS, you get that experience without being locked into a single machine brand.

Our consoles are compatible with the full range of Topcon sensors and application control technology to suit basic to most progressive operations. Coupled with other Topcon and 3rd party technologies, Horizon provides flexible solutions, priced right.

Set autosteering patterns, control application rates, monitor each operation, and map every pass — all from a single dynamic environment you can manage on the fly with simple multi-touch gestures.



Horizon OS / ISOBUS - Guidance / Spreading Control example

ISOBUS Universal OS

We pursue universal compatibility.

The Agricultural Industry Electronics Foundation (AEF) is an independent organization that implements international electronic standards. This oversight improves cross-manufacturer compatibility and transparency of electronic and electric components in agricultural equipment.

We build many key hardware and software solutions under ISOBUS protocol to offer seamless, universal integration.

ISOBUS Compliant Software

- Seed Drilling
- Row Crop Planting
- Transplanting
- Spreading
- Spraying
- Boom Height Control
- Yield Monitoring

ISOBUS Compliant Hardware

- X Family Consoles
- Guidance Receivers
- Controllers

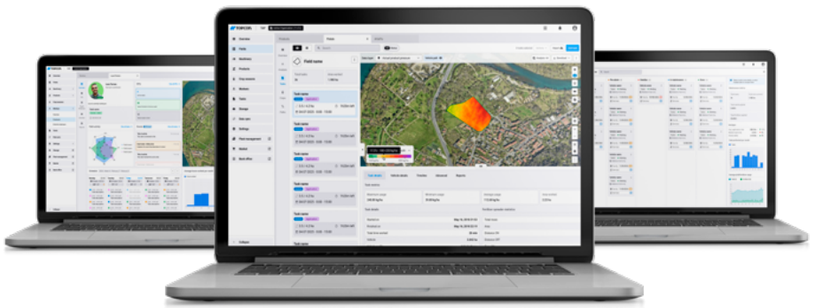


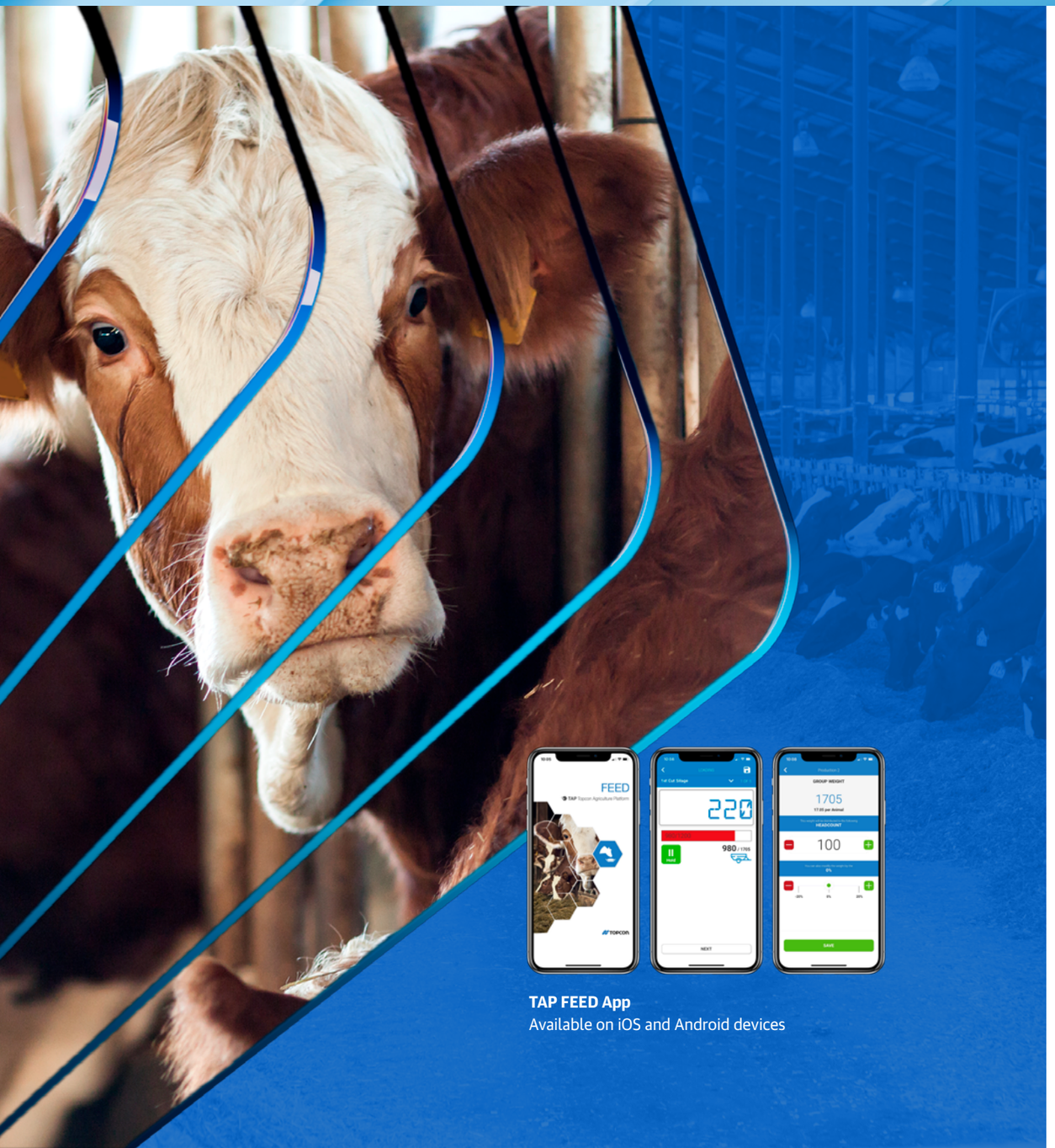
CL-55
Cloud Connectivity Device

Digital Farm Management

Designed for farmers, dealers, agronomists, and input suppliers who need to gather and consolidate key operational information, the Topcon Agriculture Platform (TAP) brings connectivity to every phase of the farming cycle, automating the data workflow, so users can focus on action.

TAP is an easy-to-use tool to organize, visualize and make better farm management decisions based on data from across the entire farming operation. Constant connectivity, any data format, clear visualization, and secure sharing. With TAP, we now offer a comprehensive and clear path into digital farm management.



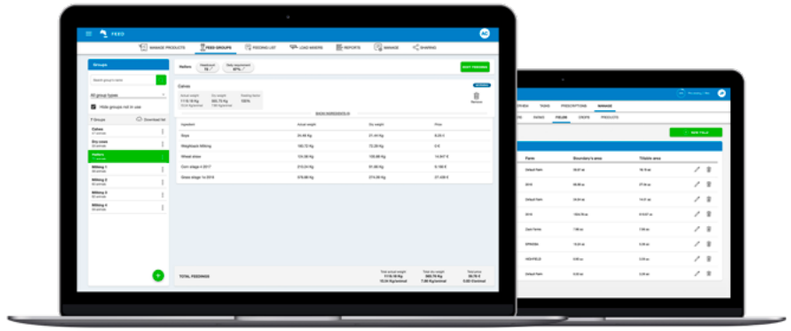


TAP FEED App
Available on iOS and Android devices

TAP FEED

Modern, intuitive, and connected feed management software tied directly to the feed mixer via mobile app, TAP FEED fuses management software with load mixer integration. It's designed in collaboration with industry partners to provide easy-to-use features to improve efficiency, reduce waste and improve production.

Free with the latest lineup of Bluetooth® displays and weigh converters, start with the TAP FEED app for an organic transition into digital feed management.



TAP FEED Software









Soil Preparation

Tools to optimize soil.

You can increase efficiency and yield through careful grading and landforming design while conserving topsoil and water. Whether you're designing the surfaces of your fields, managing residue or preparing the soil for optimum fertility, we'll help you better manage the natural resources you rely on season after season.

Click the images or bullets below for more information.

- **GNSS and Laser Landforming**
- **Tillage Depth Control**
- **Strip Till Control**
- **Spreading Control**







Seeding

Maintain singulation and spacing.

Proper seed placement can directly impact your yield. We offer a variety of variable rate seeding solutions regardless of the type of machinery you run. Our complete line-up works on seeders, drills and row-unit planters and will have you field ready.

Click the images or bullets below for more information.

- **Broad Acre Seeding Control**
- **Row Crop Planting Control**
- **Seed Drill Control**







Crop Care

Grow your way.

Protecting and fertilizing your crops with the right product at the right rate, time and place may well be the single most expensive and critical activity. We offer rate and section control solutions for sprayers and spreaders of all makes and models, so you can count on us to have a solution for you. Even ensure the product goes exactly where it should by adding a boom height control.

Click the images or bullets below for more information.

- **Spraying Control**
- **Boom Height Control**
- **Spreading Control**









Harvest

Measure performance and act.

Our field-proven optical yield and moisture monitoring solution provides real-time yield data, so you'll know exactly where you stand as you harvest. Send yield maps directly from the field for future analysis and decision making. Our harvest system gives you unmatched insight and record keeping to deliver a more profitable yield. Plus, progressive specialty crop yield monitoring.

Click the images or bullets below for more information.

- **Commodity Crop Yield Monitoring**
- **Harvest Cart Weighing**
- **Specialty Crop Yield Monitoring**
- **Sugarcane Yield Monitoring**









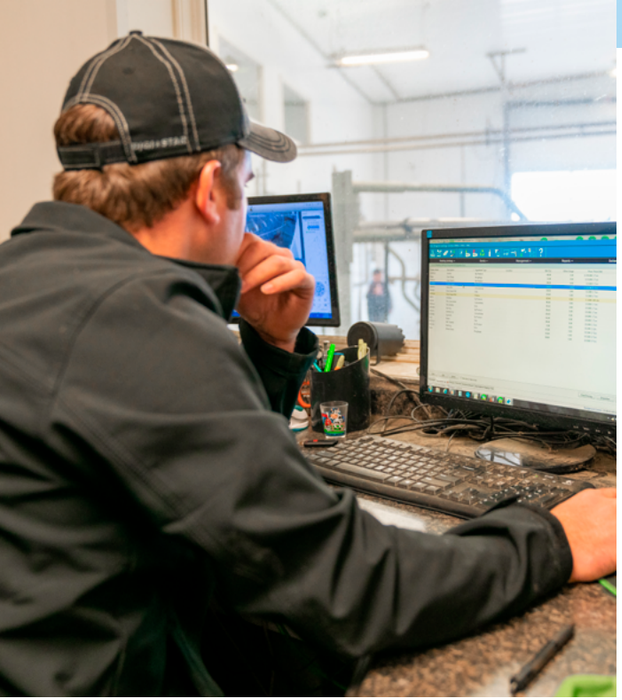
Weighing

Precise load monitoring and tracking.

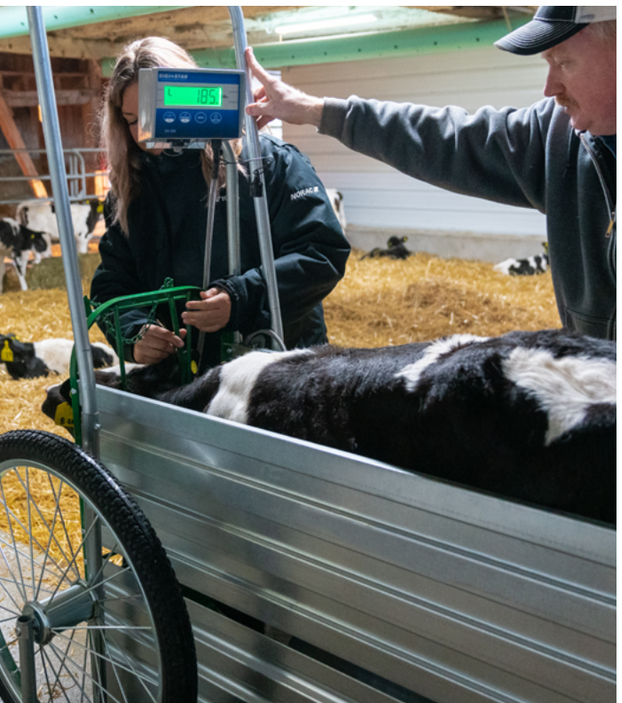
Whether you are weighing livestock, grain, feed mixers, bulk material or bales, our hydraulic weighing systems capture and record that data with ease and accuracy. You owe it to yourself to manage the most critical inputs on your operation.

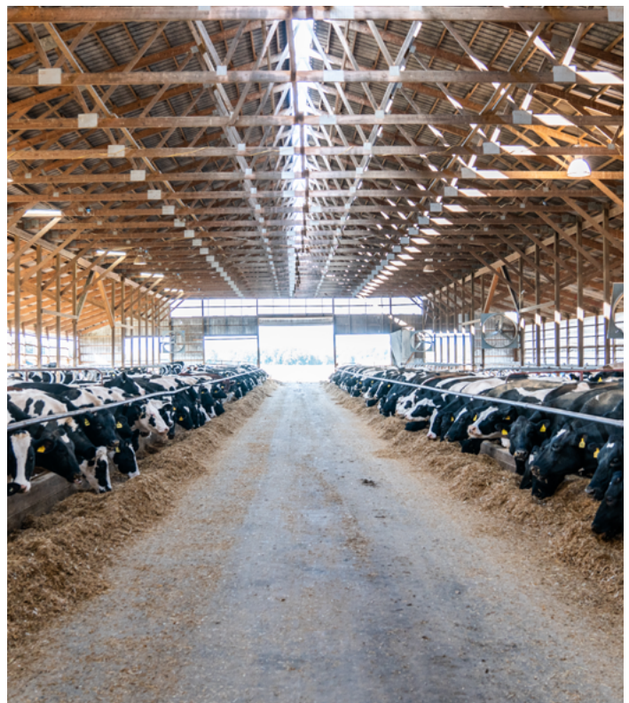
Click the images or bullets below for more information.

- **Material Handler Weighing**
- **Tipping Trailer Weighing**
- **Universal Weighing**
- **Cab Control App**









Feed Management

Manage costs and boost production.

Managing feed can be messy. Farmers need a streamlined approach to connect load mixers with management software, from loading and tracking to logging and optimization. We offer simple feed mixer load monitoring to logging and automatic data exchange, seamlessly connected to software designed by real farmers.

Click the images or bullets below for more information.

- **Feed Management Software**
- **Feed Mixer Weighing**
- **Livestock Weighing**
- **TAP FEED App**

Easily Integrated Modular Technology

Guidance

Consoles		Steering	
			
XD2 plus / XD2 pro	XD+	AES-35	XW-1
			
XC1 / XC1 plus	ID1 / ID1 plus	ACU-1	EHi Valve

Correction Services

GNSS Receivers		Base Stations & Reference Stations Network	
			
AGS-2	XR-1P	MR-2	HiPer XR
			
XR-1	XR-2	CL-55	SRL-35
			
		CL-20	Topnet Live

Digital Farm Management

Data Software	Connectivity
	
Topcon Agriculture Platform (TAP)	CL-55
	
TAP FEED	CL-20

Click a product block to be directed to the respective web page.

Customizable Solutions for Every Application

Soil Preparation

Landforming and Drainage			Tillage	
Professional 3D GNSS Land Forming	3D GNSS Land Forming	Laser Land Leveling	Tillage Depth Control	Strip Till Control
Hardware				
MC-X1 / GR-i3F Controller/Receiver	XR-1L Controller/Receiver	RL-200 / LS-B200W Slope Laser / Receiver	HCM1 Controller	Apollo CM-40 Controller
HiPer XR Survey/RTK	XR-1B Base Station	GC-35 Controller/Display	MS-1 Ultrasonic Sensor	
Software				
AGForm-3D Survey/Design	ISOBUS		ISOBUS	Horizon OS
Horizon OS	AGForm-3D Survey/Design			
	Horizon OS			

Seeding

Seeding		Planting
Air Seeding Control	Seed Drill Control	Mechanical/Row Planting Control
Hardware		
Apollo CM-40 Controller	Artemis AS-1X Controller	CM-20 Controller
	MFDC 100 Seed Drill Monitor	CAN Motor
Software		
Horizon OS	ISOBUS	Horizon OS
		ISOBUS

Crop Care

Spreading		Spraying	
Spreading/Slurry Control		Spraying Control	Boom Height Control
Hardware			
SM-1X Controller	SL2 Convertor (Weigh)	CM-40 / CM-20 Controller	HCM1 Controller
CM-20 Controller	LMS-20 Sensor	H2 Spraymaster	MS-1 Ultrasonic Sensor
Software			
ISOBUS		Horizon OS	ISOBUS
		ISOBUS	

Click a product block to be directed to the respective web page.

Customizable Solutions for Every Application

Harvest

Yield Monitoring		Grain Cart Weighing
Commodity Harvester Yield Monitoring	Specialty Harvester Yield Monitoring	Grain Cart Weighing
Hardware		
YM-3 Controller	Optical Sensor	YM-2 Controller
Indicator GT 450i	Indicator GT 650	
Moisture Sensor		Load Sensor
Load Sensor		
Software		
Horizon OS	Horizon OS	TAP
ISOBUS	ISOBUS	

Weighing

Material Handling / Onboard Weighing		Universal Weighing	Livestock Weighing
Tipping Trailer Weighing	Loader Weighing	Implement Weighing	Livestock Weighing
Hardware			
TT Weigh+ Indicator	Indicator Weighlog 300	SL2 Convertor	Indicator SW300 / SW600
Indicator SW4600EID			
Pressure Sensor	Indicator Weighlog α10	Indicator Cab Control App	Weighing Platform
Load Sensor			
	Pressure Sensor	Load Sensor	

Feed Management

Feed Mixing			
Feed Mixer Weighing			
Hardware			
Indicator / Data Transfer Digi-Star FD1 / CL-55	Indicator EZ 2810BT / 3410B	Indicator TMR 3610 / 4610	Indicator TST 7600
ERM Wi-Fi Module	SL2 Convertor	Load Sensor	TAP FEED App / Cab Control App
Software			
TAP FEED	TMR Tracker		

Click a product block to be directed to the respective web page.

Agriculture Technology Products

Click the buttons below for more information.



GNSS Receivers



Consoles



Handheld Controllers



Steering Controllers



Correction Services



Spreading Control



Spraying Control
(Vineyard/Orchard)



Spraying Control



Boom Height Control



Yield Monitoring



Harvest Cart Weighing



Mobile App
(Weighing)



Feed Mixer Weighing



Mobile App
(Feeding)



Feed Management Software



Digital Farm Management



GNSS Receivers

Our GNSS receivers and steering controllers are proven to collect accurate positioning data while offering manual guidance and full autosteering for many agricultural machines.

Agriculture Technology Systems

Click the buttons below for more information.

Guidance and Autosteering | **Sprayers** (Self-Propelled and Pull-Behind / Trailed) | **Combine Harvesters** | **Grain and Harvest Carts** | **Feed Mixers and Wagons** | **Land Forming Scrapers**





GNSS Receivers



Correction Services



Consoles



Handheld Controllers



Digital Farm Management



Controllers

Guidance and autosteering is the backbone of precision agriculture and enables key solutions in soil preparation, seeding and planting, crop care, and harvest.

Our technology is designed universal and modular. Not only do our complete solutions work with most manufacturers, machines and implements, we easily integrate through ISOBUS options and customized variants.



Empowering Your Work

As a worldwide leading developer and manufacturer of precision positioning workflow solutions, we help the people who build and feed the world work smarter and faster.

The technology we provide brings increased accuracy, saves time, boosts productivity and efficiency, and lowers expenses, all resulting in greater profitability for you.

Seemingly impossible jobs can be possible because we empower you to do more with less. Projects can be completed with fewer skilled workers with less re-work.

A History of Topcon Corporation in Agriculture

1932 — Founded in Tokyo

1953 — Topcon 35A Camera



1974 — Boom Height Control

1981 — On-board Weighing



1994 — Laser Land Leveling

2004 — GNSS Land Leveling



2006 — GNSS Guidance / Autosteering

2008 — Implement Control



2010 — Crop Monitoring

2013 — Enhanced Autosteering



2018 — Data Management

2020 — Customizable Consoles and Software



2022 — Connectivity



2023 — Embedded Technology



2024 — Value Line Solutions



Today — Performance Line Solutions



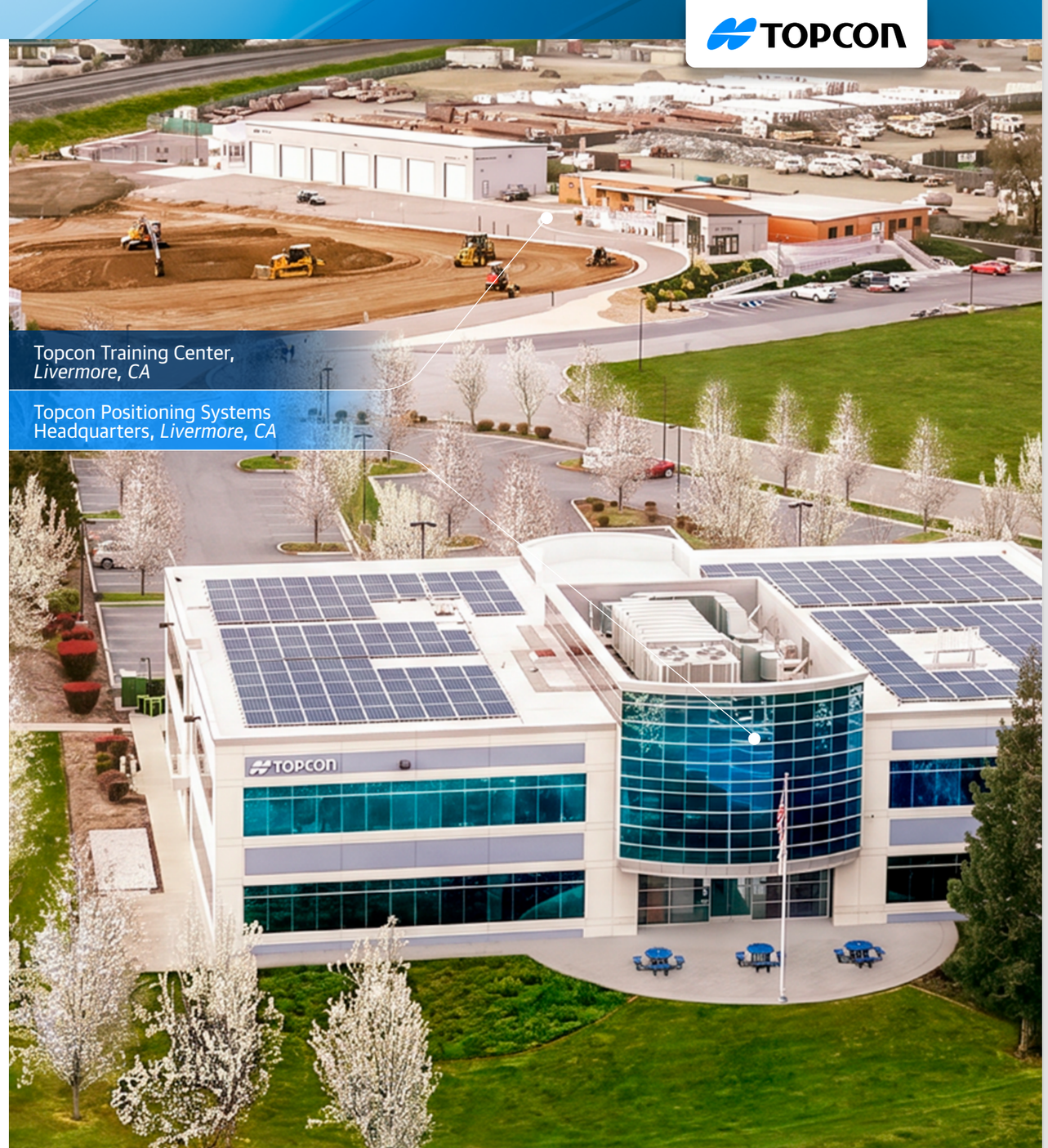
Note: displays current product images in reference to when development began.

Unleash Your Potential

We provide innovative yet intuitive solutions that integrate high-precision measurement technology, software, and data for the construction, surveying, and agriculture industries. By embracing our solutions, our customers can:

- Accelerate infrastructure creation and repairs, ensuring safety and cost-effectiveness
- Efficiently gather and handle vast amounts of data, reducing field time
- Maximize crop yields and returns, all while minimizing environmental impact and preserving natural resources.

We're here to make complex tasks easier – so you can work smarter, not harder.











4000+ Employees | 4100+ Patents

Global Network

With an extensive worldwide network of corporate offices, R&D centers and technical groups, we have an unmatched capability to assist any manufacturer, no matter where they are located, with fully integrated machine automation solutions. This also positions us to create programs to assist and support dealer networks, directly or through extensive training programs.

Experienced OEM Team

Our experienced OEM team knows what questions need to be answered first and the potential pitfalls to be avoided along the way. Their first objective is to make sure our technology is the right fit for your application and be your partner every step of the way.

Committed to Sustainability

The work we do as an organization complements and supports the sustainable development goals adopted at the UN Summit in 2015.

"The Sustainable Development Goals are the blueprint to achieve a better and more sustainable future for all. They address the global challenges we face, including poverty, inequality, climate change, environmental degradation, peace and justice."

To learn more about our commitment to sustainability visit:
topconpositioning.com/sustainability

SUSTAINABLE DEVELOPMENT GOALS



Zero Hunger

Our tools improve the management and measurement of cropping areas and sustainable agriculture. Through automation, we are helping create more productive crops and increase harvests, which leads to an improved food system and less food shortages.



Decent Work and Economic Growth

Our solutions enhance efficiency and productivity in agricultural operations, driving sustainable economic growth. By reducing manual labor and improving operational precision, we enable farmers to optimize resources, create jobs, and promote safer, more efficient working environments. This results in thriving rural economies and contributes to long-term, sustainable growth for both people and the planet.



Industry, Innovation and Infrastructure

We help farmers be more productive through proven, innovative agricultural precision measurement technology, resulting in increased productivity, larger yields and reduced labor.



topconpositioning.com

Images are illustrative only.
Product and service availability varies by country.
Contact your local representative for details.

Specifications subject to change without notice.
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TOPCON AGRICULTURE
CORE TECHNOLOGY
APPLICATIONS
PARTNERS & INTEGRATION