Intelligent Farming

Feeding and Weighing
Preparation and Planning
Planting and Seeding
Growing
Technology that grows right along with you

Topcon helps you address the challenges of modern agriculture from planning and field preparation to harvest with a modular, open architecture platform that grows when you are ready to maximize efficiency and lower your cost of doing business.

The savings from precision farming are well documented. Count on savings of 7-10% on crop inputs. Add another 10% with precision guidance and control. Add even more with water management, digital weighing and tracking solutions and data management.

Imagine how these savings continue to grow when you manage your entire operation with Topcon components that not only take you full season, but also provide unmatched data management during and after the season – allowing you to plan for higher profitability in the season to come.

Whether your strategy is cost reduction, yield increase, or both, the Topcon modular approach to precision technology offers solutions that can Grow with You.

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Whether you are new to precision farming or already a power user of precision products, you need to look closely at the Topcon portfolio of precision tools for full season productivity.

Over the course of more than 40 years, Digi-Star, NORAC and RDS Technology solutions have implemented a unique vision of providing innovative, easy-to-use technology that improved decision making, efficiency, and productivity to solve challenges on farms around the globe. Now, as members of the Topcon Agriculture family, that vision becomes a reality via a complete, full-season precision farming platform based on modularity of systems and components.

Instead of offering narrow solutions that require complete system replacement when you have outgrown them and need to upgrade, the Topcon modular approach to precision technology allows you to add more advanced functionality with a minimal number of components. In many cases, Topcon components offer plug-and-play compatibility with existing competitive brand components, utilizing the ISO 11783 protocol, to minimize spending outlay while simplifying upgrade time.

The vision also includes serious focus on the wants and needs of individual end-users or farmers who can make the most of the Topcon platform’s modularity. This allows for the construct of complete full season precision ag systems that enable farmers worldwide to increase productivity and profitability.

Whatever your field types, crop types, or vehicle types, Topcon offers season-to-season, year-to-year, precision tools to help you meet the needs of a growing world.
The key to any precision farming solution is the correct accuracy for the job at hand.

Topcon pioneered multi-constellation GNSS positioning and has supported the global industry standards, or ISOBUS protocol, from the start.

Speed + Accuracy = Productivity

Pick the accuracy you need based on your field applications and/or crop types and the Topcon modular platform technology will let you get the job done quickly, easily and for less monetary outlay.
AGI-4 Receiver/Steering Controller

A key plank in the Topcon modularity platform, the AGI-4 was the first truly modular ISOBUS-compliant steering solution in the industry. Standard out-of-the-box with WAAS and EGNOS, AGI-4 is easily upgradeable to full GNSS, 2 cm RTK repeatable accuracy with radio options.

The all-in-one AGI-4 modular receiver/controller incorporates antenna, receiver and steering control in a single component to offer unmatched upgradeability. State-of-the-art inertial sensors and full terrain compensation top it off with superior line acquisition and holding capability. Unique snap-In modules allow you to add what you need to get your job done to the accuracy you require.

The AGI-4’s ISO 11783 compatibility with other Universal Terminals (UT) provides drop-in and drive convenience. Just drop-in an AGI-4 and get high-accuracy autsteering that runs on your existing UT terminal or compatible console to take full advantage of Topcon modularity.
SGR-1 Receiver

Featuring Topcon TruPass™ advanced positioning technology, this compact and rugged receiver provides simultaneous processing of GPS and GLONASS signals with 32-channel high speed, universal tracking. TruPass technology provides higher, more stable pass-to-pass accuracies in dynamic ag applications.

GR-5 Portable Base Station

A premium portable base featuring Topcon Vanguard GNSS chipset with 226 Universal Tracking Channel Technology. The GR-5 includes Topcon patented Fence Antenna™ technology in a compact, lightweight antenna covering the entire GNSS frequency band for unmatched performance.

TopNETlive / Global-D GNSS Reference Station Network

TopNETlive is a subscription based, real-time GNSS reference network delivering high-quality correction data throughout the globe.

TopNET Global-D is designed to allow Topcon AGI-4 owners to quickly and easily subscribe to a consistent level of high-precision positioning to an accuracy of 5 - 10 cm pass-to-pass, with no need for a base station or any hardware change to the current GNSS receiver. Using a modeled solution (NET-RTK), rovers within the network coverage area benefit from fast, reliable initializations and maintain high-quality positioning solutions at all times.

http://topnetglobal.topcon.com

MR-2 Permanent Base Station

A versatile, modular solution offering dust and water protection and Milspec shock tolerance. MR-2 tracks every available signal from all available and planned constellations thanks to the Topcon patented Universal Tracking Channel Technology ensuring it as a sound investment for the future. It provides high-precision RTK radio accuracy of positioning.

SRL-35 Radio/Repeater

SRL-35 pushing out 35 watts provides reliable signal strength in challenging terrain or environmental conditions. It can be used with an RTK base or as a standalone RTK repeater in hills and around physical features such as tree lines and structures.
AES-35 Electric Steering

Designed specifically for non-steer-ready vehicles, the AES-35 provides hydraulic performance with electric convenience to produce one of the most accurate, rugged and durable steering solutions on the market today.

The AES-35 is a new design featuring a smaller drive motor that reduces noise and footprint in the cab to improve the physical environment for the operator. Designed for ease of installation and operation, it is environmentally rated for use in open-cab vehicles, with its streamlined design reducing the overall complexity of system installation.

With its virtually silent, high-torque, direct-drive electric motor, the AES-35 brings best-in-class performance to a wide-range of ag applications including tractors, sprayers, windrowers and combines. Compatible with AGI-4 and all three Topcon consoles, it is easily transferable across vehicles and provides steering accuracy up to 2 cm RTK – including RTK accuracy in reverse.

Controlled Traffic Farming

Optimal Lines technology produces controlled traffic farming with unmatched versatility.

Controlled Traffic Farming (CTF) reduces soil compaction damage caused by heavy or repeated passes over the land. This CTF system confines machinery to the least possible areas of permanent traffic lanes. Without this, machines run randomly over the land, compacting as much as 75% of the area within one season and 100% by the second season.

Proper CTF with Topcon Optimal Lines improves yields by reducing compaction tracking to just 15% of the total land area. Optimal Lines is available as an optional unlock code in the Topcon X35 and X25/Advanced consoles.
Topcon X Family Consoles

Topcon state-of-the-art, multi-touch guidance consoles bring industry-leading performance and ease of use to any size farm, any type operator from entry-level or novice to experts or “power users” of precision and data.

Design modularity makes it easy for an entry-level operator to step up as precision needs grow. And because they all operate on the exclusive Topcon Horizon software, once you have learned to use one console, changing to another has no new learning curve. Horizon allows the user to customize multiple mini-views on all of the consoles which aids intuitiveness and ease of use.

Touchscreen displays, with Horizon software, take precision machine control to new levels of performance.

The Topcon X Family of multi-touch guidance consoles brings innovative, industry-leading performance to any size farming operation that is seeking to use precision to improve operational efficiency and reduce input costs.
**X14 Console**

Big power in a small package best describes the 4.3 in. multi-touchscreen X14. Designed for the more novice or entry-level user, it provides basic manual and auto-guidance functionality as well as one product application control.

**X25 Console**

The Topcon mid-range X25 console with an 8.4 in. touch screen is available in two formats: Basic and Advanced design. The X25 is the ideal console for the majority of precision ag user’s needs – offering high levels of functionality in a size that adapts well to most in-cab areas.

**X35 Console**

The X35 is the newest Topcon console with 12.1 in. touch screen. A leading-edge computing device, X35 offers unmatched speed and screen definition allowing optimal positioning in-cab for user interaction. Its predecessor, the X30, earned the reputation as the easiest-to-use console on the market – the new X35 takes that status to new levels and beyond.

Keeping with the Topcon modularity concept, the X35 provides a superset of the advanced features and capabilities of the mid-sized X25 and smaller X14 consoles. Horizon software pays it all off with high-levels of functionality and ease of use.

**Horizon XTEND™ feature** allows access to the X35 via smartphone or tablet inside or outside the cab. This means implement and calibration inputs can be accomplished without climbing up into the cab multiple times for inputting setup data. XTEND can streamline a typical two person setup of a complex air seeder down to a single operator.

**Remote Service** feature offers the time saving convenience of correcting issues on the fly. The operator does not even have to leave the cab. It allows technicians to diagnose issues and take over application for remote correction. Agronomy consultants or technical assistants can advise and configure remotely.

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<thead>
<tr>
<th></th>
<th>X14</th>
<th>X25 (Basic)</th>
<th>X25 (Advanced)</th>
<th>X35</th>
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<tbody>
<tr>
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<td>8.4 in. (21.3 cm)</td>
<td>8.4 in. (21.3 cm)</td>
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<td>Horizon XTEND™</td>
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<td>Remote Support</td>
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<td>8 + VRC</td>
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<td>Harvest/YieldTrakk</td>
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<tr>
<td>Weather Station</td>
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* Denotes upgrades via unlock code. Independent unlocks available for upgrade via Horizon software. See your dealer for details.
Air Seeder Solutions

Platform modularity of a wide range of components has made Topcon the world leader in precision air seeder control.

The X25 and X35 consoles are compatible with Apollo application controllers for unmatched accuracy and seeding control. Combining rate control, path planning, section control, high accuracy GNSS steering and full agronomic data control, Topcon sets new standards in the seeder market.

XLinks

Topcon XLinks for seeders offers easy interface with existing controllers to provide section and rate control. XLinks enables interface to a Topcon X Family console and an existing controller with basic functionality to maintain usability versus re-wiring the implement and installing a new control console.

Apollo Application Controllers

The future of seeding technology is here with Apollo Application Controllers from the world leader in seeder control. Topcon Apollo ECU’s are easy to install, easy to use, stackable, weatherproof, ISOBUS compatible and offer virtually unlimited capabilities.

Topcon consoles with Horizon software simplify the user interface while the integrated ISO UT offers compatibility with existing tractor terminals.

CM-40 Control Module or Master Controller (M/C) is ISOBUS-compliant with 4 application rate control channels.

EM-24 Expansion Module (I/O) is designed to provide additional section control with the CM-40 as well as blockage monitoring.
**KP-12 CAN Based Keypad**

The keyboard offers options for both in-cab use during operation and external use on the air cart for calibration. It simplifies setup and operation of the Apollo Application Controller with user-assignable buttons to control multiple functions including implement lift/lower, rate/down force pressure, auto/manual control of liquid tanks and more.

**ASC-10 Auto Section Control**

The Topcon ASC-10 auto section controller is the easy, economical way to bring rate and section control to a sprayer or spreader. It can interface with all three Topcon consoles and up to three ASC-10’s can be connected or “linked” to provide up to 30-section control. For liquid rate control, the ASC-10 provides consistent uniform application rates as operating speeds vary across a field.
Artemis Drill Control System

This ISOBUS-compliant multi-channel electric drive system provides the control and monitoring requirements of the modern seed drill. Designed to work on ISOBUS-compliant Universal Terminals, including the Topcon X25 and X35, Artemis provides proportional-to-forward speed control and the software is configurable to control up to four products/motors simultaneously.

Artemis permits seed drill operation or combined seed/fertilizer control with most modern tractors. Pre-start function gets product to coulters before the drill starts moving. It also offers variable rate capability, plus quick and easy product calibration. Artemis is an entry-level drill control that increases efficiency including data recording capability. And it features Topcon modularity allowing for after market installation.

RDS Seed Drill Monitor (MFDC 100)

MFDC 100 offers user-friendly, cost-effective monitoring of a number of seed drill operating functions as well as control of tramline sequencing. MFDC 100 monitors forward speed, partial/total area, fan speed, shaft RPM and hopper level. Tramlining for controlled traffic farming (CTF) in small seeded crops is also programmable.

RDS Shaft Speed Monitor (SSM 600)

Monitoring of shaft speeds is an important element in efficient implement performance. SSM 600 is an easy-to-use, cost-effective method of monitoring up to four different shaft speeds simultaneously on any implement. It monitors speeds from 0 to 9999 RPM; forward speed, partial/total area, and is fully programmable for high/low speed warning alarms.
Row Crop Planting Solutions

Topcon’s precision planting solutions for row or large seeded crops are ISOBUS-based and interface with a number of ISOBUS-compatible planters including White, DICKEY-john, Kinze and Horsch. The Topcon planter interface supports auto section control and variable rate control via ISO Task Controller (TC).

Automated Seed Weighing Solution

Seed Tracker™ – Weight Monitoring (ST 3400)

This Digi-Star precision automated system is designed specifically for seed tenders. It is an easy-to-use, high-accuracy, full-featured weighing and planting management tool for tracking seed weights of up to 10 individual boxes or bulk bins. The ST 3400 Indicator is compatible with all load cell equipped seed tenders, including those equipped with variable throttle systems. It reduces co-mingling of varieties, eliminates downtime with no-fail Start/Stop function, measures seed use between farms and partnerships, manages multiple farms with downloadable information, and easily verifies quantity of seed delivered.

Seed Tracker saves you time, while your other Topcon precision steering and control systems are saving input costs.
Sprayer and Spreader Solutions

Once again, the Topcon platform modularity of a wide-range of components brings unmatched precision control of the full range of liquid sprayer and liquid or dry spreader operations.

The X25 and X35 consoles are compatible with Apollo application controllers for unmatched steering accuracy and seeding control. Combining rate control, path planning, section control, high accuracy GNSS steering and full agronomic data control, Topcon sets new standards in the seeder market.

Spraying Solutions

State-of-the-art, full-featured spray rig control starts with Topcon modularity of components including X25 or X35 consoles, Apollo application controllers, CropSpec crop sensors, and more.

For smaller operators or novice level applications, the Topcon ASC-10 auto section controller with X14 console is the easy, economical way to get rate and section control. For additional capability, ASC-10 units can be connected or linked to provide up to 30-section control. And they provide consistent uniform application rate as operating speeds vary across a field.

SI-21 Lightbar

More modularity from Topcon comes with the new SI-21 Lightbar that is IP65 ruggedized for use outdoor on non-cab vehicles. Designed primarily for entry level guidance on the X14 console, the SI-21 is also compatible with the X25 and X35 consoles allowing you to mount the lightbar for optimal operator visibility separate from the console.

The SI-21 provides operator feedback via LEDs as well as a graphics display. It offers high-visibility even in bright, sunny daylight conditions and LED brightness is independently controllable. One of the SI-21’s most important benefits includes offering a straight-ahead or “heads up” view for the operator to steer by, while allowing for a more desired, offside location for the console.
Smart Nozzle control with Hypro ProStop-E

Topcon has collaborated with Pentair Hypro for compatibility with the Hypro ProStop-E valve. The Topcon Apollo controller communicates with a network of ProStop-E nozzle control valves which can provide individual (on/off) nozzle control across a sprayers boom. The Hypro ProStop-E valve can be retrofitted to existing Hypro ProFlo nozzle bodies making individual nozzle control a reality on your sprayer.

CropSpec™ Crop Canopy Sensors

Topcon CropSpec crop canopy sensors offer just-in-time crop health management to apply the right product, at the right rate, at the right time, in the right place. The sensors measure plant reflectance to determine chlorophyll content, which correlates to nitrogen concentration in the leaf.

Working with the X25 or X35 consoles, CropSpec sensors monitor in-field variability, treat on-the-go, or save data for future analysis and the creation of prescription maps.

CropSpec sensors are truly modular in design and based on the Topcon core competency of optics. Mounted on cab roofs, and out of harm’s way, CropSpec sensors also provide the largest sensor footprint in the industry for increased accuracy. Plus, with their angled top-of-cab mounting, reflectance readings are more consistent in thin stands and less susceptible to wind movements.

Plug-in modularity offers 24/7 operation, consistent reading day and night, on-the-go application when desired, and, most of all, a significant reduction in fertilizer costs by applying nutrients based only on crop need.

Proud sponsor of:
A self-propelled sprayer equipped with Topcon GNSS precision steering, Apollo section and rate control, CropSpec on-the-go sensing, NORAC boom height control, and field-to-office connectivity via Topcon MAGNET® and SGIS Software, becomes the most advanced and efficient spray application system currently on the ag market.
### Functions Controlled

<table>
<thead>
<tr>
<th>Level of Control</th>
<th>Control Functions</th>
<th>Description</th>
<th>Main Control</th>
<th>Wings On/Off Valves</th>
<th>Proportional Control</th>
</tr>
</thead>
<tbody>
<tr>
<td>Slant Control™</td>
<td></td>
<td>Slant Control™ system automatically controls the main lift and slant of the sprayers center section. It compensates for side hills and slopes to maintain a pre-set height above the ground or crop.</td>
<td>Standard</td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td>Standard Control™</td>
<td></td>
<td>Standard Control™ system is intended for booms up to 90’ and for use in less challenging terrain. The system automatically controls wing lift using the sprayer’s existing on/off valves to maintain a pre-set height above the ground or crop.</td>
<td>Optional</td>
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<tr>
<td>Passive Roll™</td>
<td></td>
<td>Passive Roll™ system automatically measures and compensates for roll in the center section while controlling wing lift independently. The system prevents one boom’s action from affecting the other while maintaining a pre-set height above the ground or crop.</td>
<td>Standard</td>
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<td></td>
</tr>
<tr>
<td>Active Roll™</td>
<td></td>
<td>Active Roll™ system automatically measures and controls the roll of the center section while controlling the wing lift and main lift independently. By rotating and controlling the center section, wing lift speeds are increased and spray height is maintained even in the most severe conditions.</td>
<td>Standard</td>
<td>•</td>
<td></td>
</tr>
<tr>
<td>Active Wing Roll™</td>
<td></td>
<td>Active Wing Roll™ system automatically controls the wing lift and main lift independently while hydraulically linking the left and right wings to simulate roll, isolating the chassis movement from the boom allows for more precise control in challenging terrain.</td>
<td>Standard</td>
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</table>

NORAC pioneered the use of ultrasonic sensing for the ag industry and continues to be a world market leader in boom height control systems. These systems reduce boom damage and operator stress by automatically keeping the nozzle tips at the correct distance from the top of the crop or the ground. They enable both speed and accuracy for large width application equipment.

The UC4.5 and UC5 are the NORAC entry level systems. They come complete with digital display and all required components for installation.

The UC5 and UC7 Systems are ISOBUS-certified and can be operated through any Virtual Terminal including the Topcon X25 and X35 consoles.

The new UC7 is the most advanced boom height control system on the market today for in-crop spraying. UC7 is an all-in-one system offering a virtually universal solution for all types of boom application equipment. It offers trouble shooting LEDs, it is compatible with UT displays and is easily upgraded via USB. Keeping with the Topcon modular platform design, UC7 is built with future functionality in mind.
Spreading Solutions

Weight based rate control has been a core technology of RDS for more than 40 years providing superior precision control of granular fertilizer and dry manure spreaders.

The Topcon platform for granular fertilizer or dry manure spreaders offers unmatched precision control. Variable rate capability can be performed from imported prescription maps or generated in real time with as-applied mapping.

Topcon consoles are compatible with common spreader hydraulic systems and support belt or actuator-driven spreaders as well. Control or monitor up to two spinners or control multiple belts or split belt configurations with auto section control from an Apollo application controller or ASC-10 controller.

RDS Speed and Area Meter SAM 400

The RDS Speed and Area meter SAM 400 monitors field work by tracking area, distance, time and rate. In addition to forward speed and shaft RPM, SAM 400 measures partial/total area, partial/total distance, operating hours and work rate. It also features customer programmable alarms.

Athene™

Developed by RDS, the Athene system offers fast, accurate response in a user-friendly control and monitoring system for dry spinner spreaders or manure spreaders. Athene offers accurate and precise control for all types of manure and animal waste. Variable rate technology means the correct application rate is applied regardless of changes in forward speed or changes in product density.
Harvest Solutions

Platform modularity of Topcon GNSS receivers and state-of-the-art consoles brings unmatched precision control, reduced operator stress and day or night efficiency to any combine harvest operation. When you connect high-accuracy autosteering with yield monitoring, harvest tracking and grain cart weighing systems – you have an unmatched harvest system with the capability to send all data digitally to the cloud for access from the farm office for detailed record keeping.

Jointly developed by Topcon and RDS, YieldTrakk brings an industry- and field-proven optical-based yield monitoring solution to its market leading steering, positioning and machine control products. Obtain a new level of high-accuracy yield/moisture monitoring that provides producers with optimal yield and crop quality data to maximize productivity and profitability.

Integrated with the Topcon X35 touchscreen console and Horizon software, YieldTrakk displays yield and moisture levels in separate datasets, providing the operator with a more complete understanding of field and crop conditions to enable better agronomic decisions.
**Digi-Star**

**Harvest Tracker™**

**Grain Cart Weighing**

This full-featured grain cart interface provides significant field recording and management benefits for producers and custom harvesters alike. Harvest Tracker automated management allows for easy download of collected data via USB or through the app via Wi-Fi. Measure crop yield, compare performance of individual fields, save time weighing in-field, and more.

The Harvest Tracker App provides the combine operator with remote control of the scale during loading to calibrate yield monitor, change fields, truck ID, and more.

**GT 560**

The GT 560 indicator is designed to work with grain carts, gravity boxes and forage boxes. In addition to tracking harvest data via phone or tablet, the farmer is able to automatically record location and grain moisture content. Harvest Tracker software not only manages data, but also provides simple mapping information to show where loading and unloading takes place.

**GT 465**

The indicator utilizes the tractor’s ISOBUS terminal or a Topcon X25 or X35 to decrease cab clutter. The system is easy to learn, easy to use, and features remote viewing. It is also compatible with the leading virtual terminals in agriculture.

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**DIGI★STAR**
GNSS Landforming – Surface Drainage and Water Conservation

Vital to field performance is proper drainage. Topcon GNSS positioning provides maximum accuracy with single or dual scraper control, plus the ability to grade more than 12,000 acres (4,800 hectares) in a single setup. The Topcon GNSS system offers 24/7 operation and can work in dusty conditions that significantly hamper laser levelers.

The Topcon GNSS solution allows operators to survey, create cut/fill maps and start grading without ever leaving the cab. Best-fit calculations reduce yardage up to 10% versus traditional hand-calculated laser surveys.

Combine the Topcon GNSS platform with the world’s best autosteering and the world’s best land-leveling, using the Topcon X35 console and AGI-4 Receiver/Steering Controller, and you have the most sophisticated system on the market today.
The system offers high-accuracy landforming and high-accuracy autosteering simultaneously. The X35 console, running Horizon software, can be teamed with the AGI-4 receiver/steering controller for unmatched landforming performance.

**X35 Console**

**AGI-4 Receiver/Steering Controller**

Set up with optional snap in RTK and IMU modules provides full RTK or NTRIP accuracy with steering control to ± 2 cm (sub inch).
The unit contains receivers, radios and controllers in one rugged system offering the widest array of machine compatibility.

The premium portable base station features Topcon Vanguard GNSS chipset with 226 Universal Tracking Channel Technology for unrivaled accuracy. Topcon has redesigned AGForm-3D as a more robust system with many refinements. This state-of-the-art software for survey and design is now available via subscription (minimum six months), which simplifies implementing software updates while allowing you to use only the amount of service you need.

AGForm-3D provides independent survey of fields and creates flat, single or dual slopes, or multi-slopes without leaving the vehicle cab.

MC-R3
Precision dual-frequency, dual-constellation antenna features micro-center technology plus integrated ground plane to reduce multipath errors.

GR-5

MC-A1

CR-G5
Dome antenna offers exceptional performance in demanding multipath-prone environments.

AGForm-3D – Featuring Variable Slope PWCS
Topcon has redesigned AGForm-3D as a more robust system with many refinements. This state-of-the-art software for survey and design is now available via subscription (minimum six months), which simplifies implementing software updates while allowing you to use only the amount of service you need.

AGForm-3D provides independent survey of fields and creates flat, single or dual slopes, or multi-slopes without leaving the vehicle cab.

Topcon Piecewise Continuous Slope (PWCS)
Revolutionized land leveling by significantly reducing the volume of material moved and by keeping design surfaces closer to the original terrain than older multi-planer methods.
Laser Landforming

Topcon laser systems offer time-and field-proven technology, with single or dual scraper control and flexible options to suit any need from basic manual indicate to fully automatic machine control.

Dual Control 9164
Elevation control for two scrapers, or slope and elevation on a single scraper. Combine with the TM-1 survey mast or use rigid masts for economy.

Single Control 9256
Combine with TM-1 mast and LS-B110 laser receiver for automatic control and survey capabilities on a single scraper. Perfect for field leveling or maintaining roads or ditch pads.

LS-B110 Laser Receiver
Visual grade indication for manual control or automatic mode for cutting-edge hydraulic elevation control.

TM-1 Electric Mast
The mast mounts on the scraper mainframe where it raises and lowers the laser receiver for quick, accurate surveys.

RL-200 Series Single and Dual Slope Lasers
RL-200 Series lasers set new standards for simplicity and accuracy. Two models: RL-200 1S single slope or RL-200 2S dual slope. Get single slopes from -5% up to +25% or dual slopes up to ±10% in X axis, or up to an industry-leading -5% to +25% in the Y axis.
Fleet Management

The Topcon AM-53 telematics system provides full fleet management with information on both productivity and equipment utilization, as well as fuel consumption on CANbus machines. It can export data via the cloud to a central facility for management.

AM-53 offers the ability to know where machines are physically located, alert to excessive idling, engine on/off and motion detection. GeoFence boundaries and curfew monitoring increase operator safety and can catch equipment issues before they cause further damage.

AM-53 is easy to use, provides real-time notifications and significant cost savings by providing full visibility of what is going on in the field.

MAGNET® Mobile Ag Network

Digitally connecting the field to office brings significant increases in productivity. This is where MAGNET shines, as a web browser-based service that simplifies managing field and office data in the cloud.

MAGNET is available through monthly or annual license subscriptions and can accept any number of users on a single contract. Once MAGNET is set up, the user can transfer data files from various vehicles to the cloud where it is accessible from the office or from other machines.

Bottom line – MAGNET file transfer brings easy access to all of the valuable data generated by Topcon precision ag solutions.
SGIS Data Management Platform – A Precision Ag Heritage

As the “engine” behind your precision agriculture effort, SGIS software delivers insight, puts you in control and impacts profitability by providing a powerful, sophisticated tool for agricultural mapping and crop planning.

With Topcon SGIS agronomy software, users can efficiently and effectively offer multi-product and variable-rate plans that are customized to growers’ local conditions and requirements. SGIS software guides agronomic and economic recommendations – resulting in more profitable crop production decisions.

SGIS data management solutions now include: **SGISfarm**, for farm owner and operators; **SGISpro**, for the professional agronomist; and **SGISenterprise**, which provides precision data management in multi-user environments.
**SGISfarm**
Simple-to-use data management for farm owners and operators

Ideal for the professional farmer, SGISfarm features an easy-to-use process to streamline the creation of flat and variable rate maps without sacrificing quality or accuracy. This process is focused on proven recommendation methods that are pre-packaged in readily available templates to eliminate the complex process of equation creation. SGISfarm imports and manages all types of data critical to a successful farming operation. Data types include: soil test, yield and as-applied data as well as crop sensor, soils and topography information.

**SGISpro**
Data management and analysis for the professional agronomist

Tailor-made for the co-op, agronomist, or technology-minded farmer, SGISpro builds on the functionality of SGISfarm by adding-in many powerful analysis tools that can be used to highlight the relationships between yields, soil testing information and application data. SGISpro users can efficiently offer multi-product and VRT plans customized to suit growers’ exact requirements and demands. It features an industry-exclusive process for tailoring variable rate applications to include local requirements as well as customers’ specific requests.

**SGISenterprise**
Steamlining collaboration between multiple SGIS users

SGISenterprise opens up a new range of possibilities for interconnectedness between the farmer and agronomist. SGISfarm and SGISpro users can collaborate and access the same database. This means that a SGISpro user can manage multiple SGISfarm users and access all of their data. At the same time, producers can be limited to only viewing data that is pertinent to their operation. What sets Topcon apart is that we provide users the opportunity to maintain full control and access to their data – it is not uploaded to a remote server but is stored on a local server at the customer’s location.

**Topcon precision hardware and third-party support**

A key strength of SGIS software is tight integration with the Topcon precision products platform, as well as a number of machines from AGCO, a Topcon strategic partner. SGIS is the perfect tool for creating variable rate maps for the Topcon X Family Consoles. In addition, SGIS is compatible with virtually every type of application controller on the market today.
This full-featured Windows®-based feed management system provides operators with additional management tools including: operator control, pen review, online feed data exchange with nutritionists, ingredient tracking and numerous reports. TMR Tracker is an indispensable management tool for forward thinking operations looking to minimize cost while maximizing productivity.

**TMR Tracker™**

The Digi-Star TMR 3610 is a durable and intuitive data management indicator built for the rugged on farm environment. Choose from wireless or USB data transfer from your PC to the indicator and back again. With the TMR 3610, program rations at your PC or directly from the front panel of the indicator. Compatible with the Digi-Star TMR Tracker™ feed management software as well as third-party programs. The internal alarm light and horn alerts let you know when you are approaching target weights. Additionally, make pen call weights and head count changes right on the indicator.

**External Radio Modem**

**ERM WIFI™**

The Digi-Star ERM WIFI system is an external radio model designed to communicate and provide data transmission with a growing portfolio of Digi-Star smartphone and tablet applications and hardware. For feed mixing, the ERM works with the Digi-Star Cab Control App.

**TMR 3610**

The full-featured mixer scale indicator allows producers to make recipe adjustments at the mixer and record the data for use in TMR Tracker.

Feed managers can change dry matter (DM) and record refusals on the indicator eliminating additional paperwork in the cab. The resistive type touchscreen functions even when gloves are worn. Clear graphics and intuitive buttons make training new operators easier. The TST 7600 works in conjunction with any of the Digi-Star scale indicators and is compatible with most of the Digi-Star wireless communications systems.

**TST 7600 Indicator**

The full-featured mixer scale indicator allows producers to make recipe adjustments at the mixer and record the data for use in TMR Tracker.
This Windows®-based feed management software program works in conjunction with the scales on your feed mixer wagon or truck and allows you to easily and accurately collect and manage feedlot nutrition.

The Cab Control App by Digi-Star allows the user to easily view and control the scale indicator display remotely from either Android or iOS devices. This is especially valuable when circumstances prevent regular use of Cab Control or Remote Display.

Beef Tracker™

Digi-Star Moisture Tracker is a hand-held, near-infrared (NIR) scanning device for the rapid measurement of dry matter and moisture content of animal feeds. Moisture Tracker provides livestock producers with near instantaneous, accurate dry matter and moisture readings which allow quick reaction to changes in moisture or dry matter. This helps to ensure that the ration delivered matches the ration calculated to meet animal nutritional needs.
Stock Weigh™

Digi-Star weighing systems are designed for the rugged animal weighing environment. Advanced signal filtering coupled with the Digi-Star unique Lock-On feature helps provide stable readings despite restless animal movements. The 14-segment backlit display provides excellent visibility in all conditions.

Advanced management indicator allows for both electronic identification (EID) or visual ID input with customizable display for easy data collection.

SW 4600 has options for temperature compensation and compact, battery operated or recording indicators.

RDS WeighLog α10 on-board weigh system

This is a powerful system that is easy to install and operate. It can be used with trailer hopper loading, large round and large square bale handling, and check weighing. The α10 also provides batch blending capability. Benefits of this on-board system include: maximized productivity, reduced vehicle movement, reduced fuel usage and reduced machine and tire wear.