System 200

Complete Precision Ag Control System

The world's most sophisticated farming control and positioning systems

The way we work is constantly changing. Adopting and utilizing the very best technology for your agricultural business enables you to increase your productivity and profitability like never before.

As the use of GPS technology on the farm becomes increasingly prevalent and accepted, so does the need for advanced application technologies and the efficiency of multiple-function in-cab control systems as well as ease of use. Topcon's System 200 featuring the X20 control console is a powerful solution.

The Topcon X20 console adds value throughout the farming cycle, providing increased efficiency and enhanced capabilities to tractors and sprayers. First, and most simply, it can be a rate controller, replacing existing Raven, Dickey-John, Mid-Tech, Micro-Trac or other rate controllers for liquid, granular, or injection control systems. In addition, the X20 provides the enhanced functionality of Autosection Control (ASC) with the industry leading capability to control up to 30 individual or grouped boom sections.

The X20 also provides single and multiple product Variable Rate Control (VRC). The large, highly visible touch-screen and easy-to-follow color graphics allow the operator to understand sophisticated multiple-product control and variable rate control in a very intuitive, user-friendly way. Plus, the system can be run with the optional ProSteer module to enable autosteering of the tractor or sprayer along with the other functions.

With 72 years of positioning technology experience, Topcon offers a complete line of precision application, autosteering and guidance systems to help you:

- increase efficiency
- improve yields
- reduce input costs
- conserve water
- protect the environment
- enhance farm management

Key Features

- Easy to read, large color touch screen with standardized screen layouts
- On-screen status indicators including swath width, speed, area applied/remaining and position
- Simple on-screen set up
- Virtual Road and off-track indicator visible on all control screens. Interchangeable field views including Overhead and "North Up"
- Password protection and customized user settings
- Compatible with many third-party controllers, valves, pumps, and flow meters
- Easily upgraded as your application needs grow

Console Specifications

Display	8.4" 800 x 600 TFT active-matrix, color touch screen with adjustable brightness
Operating System	Windows® XP Professional
Processor	1GHz, 512MB RAM, 2GB solid state hard drive
Audio	1.5W amplifier, internal and external speaker
Ports	4 USB 2.0, 1 CANBUS, 3 RS-232, 1 RS-232/485, 1 Ethernet, 2 PS2, VGA
Mounting	RAM Mounting System
Power	9-18 VDC, intelligent power management system, 5A switched peripheral output
Physical	Size: 7.4 x 9.8 x 2.7"(188 x 248 x 70mm) Weight: 5.8 pounds (2.6kg)

GUIDE | AUTO STEER | MAP | RECORDS & DATA | VRC | ASC | CONTROL

- Visual guidance or Autosteering
- Variable Rate Control for seeding, spraying, and spreading
- Autosection Control - up to 30 boom sections
- On-screen mapping and reporting
- Color touch-screen, sunlight visible, day/night modes for 24/7 operation
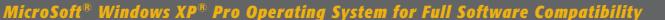- Wide range of GPS options

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System 200

**System 200's powerful X20 console provides complete precision control.
With the industry's most intuitive work platform, System 200 takes GPS technology to a new level.**

System 200 adds value throughout the farming cycle, providing improved farm management, increased efficiency and enhanced machine capabilities. Single or multiple product variable rate application, autosection control, mapping and steering assist.

Windows® XP operating system provides the flexibility to add applications, easily upgrade software and establish real-time communications - right from the cab.

TOPCON
Precision Agriculture

MicroSoft® Windows XP® Pro Operating System for Full Software Compatibility

13.0 km/hr 19.5 Ha/hr
ENGAGED

- On-screen drop-down menus for system diagnostics and brightness control
- Brilliant SVGA LCD color display with adjustable brightness to suit all light conditions
- UV stable, rugged, sealed housing provides exceptional impact strength and heat resistance
- Internal backup battery ensures no data loss .

Upgrades to Maximize Your Efficiency

AES-25 Electric Steering
Electric Convenience with Full Hydraulic Performance
- Fast, accurate steering response
- Up to 2 cm performance accuracy
- Full terrain compensation
- Convenient, simple installation
- Easily transferable

CropSpec
On-the-Go Crop Canopy Sensing
- Reduce fertilizer costs by applying based only on crop need
- Cab mounted sensors - out of harms way
- Senses a larger percentage of the area to be applied
- Create prescription maps, or prescribe and apply in a single pass
- Largest sensor footprint in the industry

System 200 Application Software

Guidance and Mapping
- Integrated controller, guidance, and steering assist console
- Reduces overlap and input costs
- Calculates covered and remaining area
- Moving map virtual road and detailed coverage maps
- Guidance unaffected by poor light, crop height, or density

MAPLINK Variable Rate Control
- Makes variable rate technology easy
- Live application and logging maps
- Handles numerous file formats including XML shape files
- Up to 11 simultaneously active maps including 5 layers of logging plus elevation and 5 prescription layers
- Create prescription and application maps

Steering Assist
- Eases operator fatigue and reduces machine wear and tear.
- Use with any GPS to any accuracy
- JD and CNH "steer ready"
- Precise steering in any terrain reduces overlap and input costs
- 24/7 operation in heat, wind, dust, or fog
- Fits over 80 tractors, sprayers, and harvesters

Seeder Control
- Simultaneously controls up to 5 bins or tanks including granular, liquid, and NH3
- Integrated controller, guidance, and steering assist console
- Single console reduces cabin clutter
- Variable Rate Control (VRC) option on all bins and tanks
- Optional Blocked Head Monitor

Sprayer Control
- Autosection Control - up to 30 sections
- Dual boom/line control
- Multiple tank control
- Compatible with most spray rate controllers
- Optional Variable Rate Control (VRC) with mapping
- Retrofit to existing wiring

Spreader Control
- Accurately controls nitrogen and fertilizer application
- Import prescription maps
- Compatible with common spreader hydraulic systems
- Auto-shutoff when used with guidance
- Single or dual spinner control
- Variable rate capability

Accessories

AgCam
Display video from up to four cameras on the X20 screen
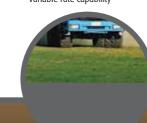- High-quality images, day or night vision
- Durable, solid-state electronics
- Easily monitor all operations

Weather Station
Spray when conditions are right
- Solid-state ultrasonic sensors
- Provides detailed maps and reports of weather conditions
- Use with Spray Controller, Autosection Control, Variable Rate Control (VRC), Guidance, and PRO Steer

- Easy to use standardized screen layouts
- Intuitive touch screen control
- Moving icons and numeric counters - easy to read at a glance
- Standard kits replace existing controllers through simple plug-and-play installation
- Easy to upgrade as your application needs grow