It’s not the weather... it’s whether you’re equipped.

Municipal Products
**SSC6100 CAN Bus Spreader Control System**

SSC6100 CAN Bus Spreader Control System is the latest addition to our line of integrated plow and spreader controls. We listened to the needs of the industry and drew from our successful SSC5100 Spreader Control to develop the industry’s best “operator friendly”, CAN Bus-based platform. Advanced communications and connectivity is easy with US communication - the future of data management, CAN Bus.

**6100 LCD Color Display**
- Continuous display of spreader parameters and diagnostic information
- 7” LCD can be mounted anywhere in the cab

**Integrated Valve Module**
- CAN Bus communication eliminates bulky wire harnesses

**CAN Bus Central Processing Module**
- USB capability for downloading calibration settings and material totals

**Patrol Commander Ultra Operator Interface**
- Enhanced graphics capability and color-coded control knobs – maximized operator user-friendliness
- Text-driven calibration instructions – mechanics have less to remember and look up during calibration

**Patrol Commander® Ultra Series Controller**

Designed for medium to heavy duty plow trucks, the Ultra is a fully proportional control with an integrated spreader control. Design allows one-handed, finger-tip control of all spreader functions and up to nine hydraulic functions.

The SSC5100 LCD, 7” color display is easy to read, with large fonts and adjustable brightness. All spreader control information is available at a quick glance. Compatible with: Patrol Commander Ultra, Spartan SPJC, and SSC5100 stand-alone controls.

**Spartan SPJC® CommandAll® Controller**

Fully proportional single stick control with an integrated spreader control. Allows one-handed, finger-tip control of all spreader and hydraulic functions. Mini-joysticks offer superior control with “push-a-button” design and simultaneous proportional control of today’s most popular functions.
FORCE America ground-based spreader controls utilize vehicle ground speed to maintain spreader rates. Pulse width modulated outputs are compatible with most spreader control valves. All feature powerful, full-featured micro-processor control, detented control dials, and LED back-lighting.

### SSC2100
- Auto/manual switch with indicator light
- Ten programmable spread rates
- Standby with indicator light
- Ground-based blast
- Mechanical or electrical speedometer inputs
- Current compensated valve drive inputs

### SSC2500
Contains all the SSC2100 features plus:
- Liquid drive output, up to 10 Amps
- Separate liquid auto/manual switch with indicator light
- Optional liquid blast
- Low/high pressure and low liquid warning indicators

### SSC5100
Contains all the SSC2500 features plus:
- Five current compensated valve drive outputs
- Three material types
- Ten programmable spread rates
- Driver identification with material logging
- Closed loop control of all spreading functions
- Serial data communication and PreCise AVL integration
- Three-lane direct liquid application capability
- Control material application to multiple lanes with high/low boom applications
- Road temperature compensation
- Dual spinner capabilities
- Spinner lane compensation

### InControl® - Air & Cable Controls and Towers

Modular, in-cab control system that is ideal for a variety of truck and machine control applications.

- Modular design allows you to easily create a custom control package for your needs
- Variety of tower sizes ensure a good fit to most applications
- Available with: push-pull cable controls, pneumatic air controls, hydraulic remote controls or electric accessory controls
- Large selection of cover plates available
- Adjustable base height
Pre-Wet Application Systems
- Tailgate units up to 150 gallons
- Frame mount and behind the cab units
- Higher capacity means more time on the road
- High density polyethylene with UV protection
- Strength and durability needed for long-life against harsh salt exposure
- System flexibility
- Electric manual, electric closed loop, hydraulic closed loop and hydraulic series loop options

Auger and Spinner Motors
- Industry proven spool valve design
- Smooth and efficient performance over the complete speed range of the motor
- Hydrodynamic bearings
- High overhung load capacity with infinite bearing life when ratings are not exceeded
- Optional electronic sensors
- Reliable feedback for closed loop spreader applications

Mobile Resource Management
PreCise MRM, integrated AVL/GPS data collection, mapping and reporting systems

VT35 Valve Tank Assembly
- Total component protection
- Valve, filter, filler/breather, sensors, cables and fittings all under one easy to remove cover
- Tri-point tank mounting
- Prevents tank cracks and weld failures caused by truck frame chassis flex
- Gasket-less passive seal technology
- Prevent harmful salt spray while venting damaging moisture
“Our county’s fleet has been using FORCE America hydraulics and controllers since 2003. We continue to do business with FORCE America because of the quality of the equipment and superior service support. It is very apparent that the customer is always the number one consideration when dealing with FORCE America. We continue to use FORCE America products for the consistency in quality they bring to our fleet.”  
-D.G., Director, Fleet Management. County Highway Department Midwest, US

**Return Filters**
- Multi-layered microglass media
- Exceptional filtration performance $\beta_{10} \geq 300$
- 5-micron microglass filtration
- Exceeds manufacturer recommended filtration requirements for extended fluid service intervals
- Element pressure rating to 232 PSI
- Handle high peak flows, like telescopic hoist without media failure

**Spreader Controls**
From the most advanced, completely integrated electronic controls to the basic manual controls—FORCE America offers the widest selection.
- Simple manual, hydraulic or electronic controls
- Ground-speed based
- Micro-processor controller with event logging of material usage
- Full integration with AVL/GPS data logging and tracking

**High Pressure Filters**
- Multi-layered microglass media
- Exceptional filtration performance $\beta_{10} \geq 300$
- Severe Duty Applications
- High dirt holding capacity with high intrinsic stability for cyclical loads
- Pressures to 6000 PSI
- Handles high pressure and pressure spikes with an unmatched safety factor

**Variable Piston Pumps**
- Direct mount capable
- Mounts directly to most auxiliary transmissions including Allison MD3060
- Flows to 55 GPM
- Simultaneous function operation achieved with properly sized pump
- High response compensator
- Immediate pump response with input signal from precise movement and control
Valve Tank Assembly - VT Series

The VT Series place all components within a protective enclosure. All components under cover, including valve, tank, filter, breather, sensors, electrical connections and hose end fittings. Valve tank enclosure offers more protection with improved serviceability. Three sizes to fit your fleet; 35, 25 and 15 gallon reservoir capacities.

- Removable cover
- Easy maintenance and maximum component protection
- Three-point mounting
- Prevents tank failures caused by frame flex
- Swing out valve mounting
- Easy access for maintenance
- High capacity 5 micron filtration

Power Float Control Valve

The Power Float Control Valve reduces the heavy weight of today's snow plows by providing continuous, controlled hydraulic pressure to the raise side of the lift cylinder. Hydraulic float reduces blade wear by 66%, extending life*. Cost of valve can be recovered in just one snow event.

* Based on municipal customers in the midwest who had three snow events in December 2009. The plow truck with the FORCE America Power Float Control Valve went through only one set of cutting edges. The remainder of the fleet went through three sets of cutting edges, at $500 per set.

SCE Spin-A-Veyer*

Compact and economical electro-proportional control valve designed for spreader applications. Compatible with most electronic spreader controllers and provides independent control of auger, spinner, and output flows. Pressures to 3,500 PSI.

- Accommodates most popular spreaders, including tailgate and V-box
- Unparalleled meter-ability
- Can serve as main relief in central hydraulic system
- Adaptable to gear pump or load-sensing systems
- Accommodates open or closed center circuits
The SB600 brine production unit, an industry leader, gets even better when combined with the new BRINE BOSS, optional automated control system!

**SB600**
- Produces up to 3,000 gallons per hour
- Patented up-flow design for consistent salinity
- Full range salinity adjustment
- Double wall construction ensures containment
- Overflow protection

**BRINE BOSS®**
- Automated process and salinity control system
- Color, touch control screen
- Usage data tracking with security
- Temperature compensated production

**Brine Storage Tanks**
Constructed of high-density, UV stabilized polyethylene for years of service. Single wall or double wall construction-offers 110% containment. Sizes up to 16,500 gallon capacity with a 16” man-way.

**Critical Spot Sprayer**
A completely self-contained, slide in spray unit is designed for light- medium truck applications. Features stainless steel spray bars and extra high strength UV stabilized tanks. Powered by a 5.5 hp Honda engine. Optional summertime herbicide spray bar.

**Anti-Icing Application System**
The Anti-Icing Application System is designed to slide in to medium and heavy duty dump trucks. Tank capacities ranging from 735-3,400 gallons. Galvanized steel frame and glass filled fittings for years of dependable service. Optional TANK TAMERS™, baffle ball system-improves load stability.
Mobile Resource Management

Accurate AVL/GPS Data
- Location, heading, speed, elevation, time and materials
- Equipment work and material usage
- Secure access to information and reports from any web browser

WiFi or GPRS

INTERNET

Reporting Fleet Information

PreCise Mobile Resource Management
- Comprehensive Road and GPS Based Mapping
  View entire fleet location
  Leaves "cookie crumb" trails indicating use
- Gather Material Usage Information
  Odometer, engine hours, PTO, crane, compressor
  View summary reports and graphs
- Manage by Exception
  Monitor speed, idle, off-hours, and other exceptions
  Proactive email alerts when exceptions occur
- Completely Configurable, Over-the-Air
  Change settings to optimize data generated and granularity

Municipal Products

Moving Industry Forward

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