

# SPREADERS & DE-ICING SPRAYERS



**HIGH-QUALITY ROAD MAINTENANCE EQUIPMENT** 

**MADE IN FINLAND & USA** 

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# ICESTRIKER<sup>TM</sup> SPREADERS



"You can reduce salt usage up to 30% with the optional liquid pre-wet system, and by 75% when using salt brine solution as a de-icing method. These are direct savings for you and the environment!"

## ICESTRIKER™ 2000-8000 AM/CM COMBI SPREADER



The IceStriker<sup>TM</sup> 2000-8000 AM/CM is a fully-electric poly hopper spreader designed with a material capacity of 2.0-8.0 cu yd to make your job even more efficient and profitable.

The lightweight modular hopper made of polyethylene and mounted parts in stainless steel (bolts, bearings, etc.) provide you with long-lasting protection against corrosion and wear. The IceStriker™ spreader and controller system help you save money and reduce the impact on the environment while achieving the same, or better, de-icing results as before.



IceStriker™8000 CM

#### "THE INDUSTRY GAME CHANGER"

Patent pending

#### **STANDARD FEATURES**

- √ HTrack™ 2-way online tracking & control system (see page 31)
- ✓ StrikeSmart™ controller with automatic GPS speed control adjusts the amount of spreading material (lbs/1000 sq ft) according to your vehicle speed (see page 30)
- √ 12 volt dual motors mounted inside a sealed weather-resistant enclosure
- ✓ Automatic vibrator prevents material from clogging
- √ Feed mechanism: 6" Stainless steel auger with variable pitch or 14" pintle chain conveyor
- ▼ Poly chain pan insert (pintle chain only)
- √ Inverted-V helps reduce heavy start-up loads on the feed mechanism
- ✓ Includes an accessory wire for optional work light and beacon light

# ICESTRIKER™ 2000-8000 AM/CM COMBI SPREADER



Optional spray bar



LED Stop/Tail/Brake lights and strobe lights



Manual hose reel

#### **OPTIONAL FEATURES**

- + LED work light
- + Strobe lights
- LED Stop/Tail/Brake lights
- + 24V motors and control system
- + Leg stand
- + Tarp kit
- + Adjustable spreading symmetry from inside the cab
- ★ Extended auger/chain (+ 24") for optimization of vehicle axle loading
- + Extended chute for truck beds over 48" height
- + End of material alarm sensor on spinner
- + Ladder with plateau
- + StrikeSmart™ PLUS and TempStriker™ systems provide weather forecasts and real-time air, road and dew point information (see page 33)

#### **OPTIONAL LIQUID FUNCTIONS**

- Pre-wet salt liquid kit, nozzles and pump with built-in tanks in spreader construction
- + 6'7" dual spray bar with up to 16' spraying width
- + 40' hose reel for spraying hard-to-reach areas with salt solutions or other liquids

This product is manufactured under US and foreign patent pending.



**SPREAD** 



**PRE-WET** 



DUAL Spray bar



ALL IN ONE SPREADER

# ICESTRIKER™ 1200-1500 AM COMBI SPREADER



The **IceStriker<sup>™</sup> 1200-1500 AM** is a fully-electric poly hopper spreader designed with a material capacity of **1.2-1.6 cu yd** to make your job even more efficient and profitable.

The lightweight modular hopper body made of polyethylene and mounted parts in stainless steel (bolts, bearings, etc.) provide you with long-lasting protection against corrosion and wear. The lceStriker™ spreader and StrikeSmart™ control system help you save money and reduce the impact on the environment while achieving the same, or better, de-icing results as before.



Auger drive

#### **STANDARD FEATURES**

- ◆ HTrack™ 2-way online tracking & control system (see page 31)
- ✓ StrikeSmart™ controller with automatic GPS speed control adjusts the amount of spreading material (lbs/1000 sq ft) according to your vehicle speed (see page 30)
- √ 12 volt dual motors mounted inside a sealed weather-resistant enclosure
- Automatic vibrator prevents material from clogging
- ▼ Feed mechanism: 4.5" stainless steel auger with variable pitch
- ✓ Inverted-V helps reduce heavy start-up loads on the feed mechanism
- ✓ Includes an accessory wire for optional work light and beacon light
- √ Flip-up stainless steel chute

# ICESTRIKER™ 1200-1500 AM COMBI SPREADER



Flip up chute



LED work light



1200 AM with spray bar and manual hose reel

#### **OPTIONAL FEATURES**

- + LED work light
- + Beacon-Strobe lights
- + LED Stop/Tail/Brake lights
- + 24V motors and control system
- + Leg stand
- + Tarp kit
- + Adjustable spreading symmetry from inside the cab
- + Extended auger (+ 24") for optimization of vehicle axle loading
- + Extended chute for truck beds over 48" height
- + End of material alarm sensor on spinner
- + StrikeSmart™ PLUS and TempStriker™ systems provide weather forecasts and real-time air, road and dew point information (see page 33)

#### **OPTIONAL LIQUID FUNCTIONS**

- + Pre-wet salt liquid kit, nozzles and pump with built-in tanks in spreader construction
- + 6'7" dual spray bar with up to 16' spraying width
- +40' hose reel for spraying hard-to-reach areas with salt solutions or other liquids

This product is manufactured under US and foreign patent pending.







**PRE-WET** 



DUAL SPRAY BAR





# ICESTRIKER™ 800 SPREADER



FOR PICKUPS

www.hilltip.com

Our **IceStriker™ 800** poly electric spreader is built to meet the requirements of the 1/2 ton pickup truck segment.

Lightweight hopper body made of polyethylene and mounted parts in stainless steel (bolts, bearings, etc) provide you long lasting protection against corrosion and rust. The IceStriker™ spreader and the StrikeSmart™ controll system helps you save money and reduces the impact on the environment.



#### **STANDARD FEATURES**

- √ HTrack™ 2-way online tracking & control system (see page 31)
- ✓ StrikeSmart<sup>™</sup> controller with automatic GPS speed control adjusts the amount of spreading material (lbs/1000 sq ft) according to your vehicle speed (see page 30)
- √ A 12-volt motor is mounted inside a sealed weather-resistant enclosure
- ✓ Automatic vibrator prevents bridging and de-icing material from clogging by shaking the inverted Vee
- **✓ Feed mechanism:** 2.5" stainless steel auger
- ✓ Inverted-Vee helps reduce heavy start-up loads on the auger (all in stainless steel)
- √ Hopper body includes molded alternate license plate area
- **▼** Flip-up stainless steel chute
- ✓ Includes an accessory wire for optional work light and beacon light

# ICESTRIKER™ 800 SPREADER

Stainless steel flip-up chute designed for spreading salt with high humidity



Two-piece tarp mechanism



Beacon light (orange) & LED work light (white)

#### **OPTIONAL FEATURES**

- + LED Stop/Tail/Brake lights
- + Beacon warning light
- + LED-work light
- + Leg stand
- + End of material alarm sensor on spinner
- + Fixation kit to avoid sliding
- + Telescopic chute for truck beds over 110 cm
- → Two-piece tarp mechanism prevents spillage off into truck bed when filling the spreader

## ICESTRIKER™ 1000-5500 SSA/SSC STAINLESS STEEL SPREADER



The IceStriker™ 1000-5500 SSA/SSC series of 12/24V stainless steel spreaders are available in 1.0-5.5 cu yd capacities. The SSA model has a 6″ stainless steel auger and the SSC model is equipped with a 14″ pintle chain system.

All SSA/SSC spreaders come standard with Hilltip's StrikeSmart™ controllers featuring ground speed control and our patented HTrack™ 2-way online tracking/control system. A variety of lighting options are available as well as in-cabin asymmetry adjustment of the chute.

The durable hopper is made of high-quality 12-gauge AISI304. The hopper body is entirely acid-treated by submersion in an acid bath for cleaner welds and surfaces for guaranteed long-lasting corrosion protection.

The hopper surface is easy to clean and maintain, and it provides a smooth material flow. The spreader is designed for spreading bulk/bag sand, gravel, salt, sand-salt mixes, and fertilizers.



*IceStriker*™ 3300 SSA spreader

# ICESTRIKER™ 1000-5500 SSA/SSC STAINLESS STEEL SPREADER

# Hilltip

LED Stop/Tail / Brake lights and strobe lights



LED work light



Vibrator



Flip-up stainless steel chute

#### **STANDARD FEATURES**

- **V** HTrack™ 2-way online tracking & control system (see page 31)
- ✓ StrikeSmart™ controller with automatic GPS speed control adjusts the amount of spreading material (lbs/1000 sq ft) according to your vehicle speed (see page 30)
- √ A 12 volt motor is mounted inside a sealed weather-resistant enclosure and requires no pulleys, sprockets, belts or chains
- ✓ Automatic vibrator prevents bridging and de-icing material from clogging by shaking the inverted Vee
- ▼ Feed mechanism: 6" stainless steel auger or 14"
  pintle chain
- ✓ Stainless steel bottom chain pan (pintle chain only)
- ✓ Inverted-Vee helps reduce heavy start-up loads on the auger (all in stainless steel)
- √ Flip-up stainless steel chute

#### **OPTIONAL FEATURES**

- + LED Stop/Tail / Brake lights
- + Strobe lights
- ♣ LED Work lights (white)
- + 24V motors and control system
- + Spreading symmetry adjustment, cabin control
- + Chute extension for truck bed over 43"
- + End of material alarm sensor on spinner
- + Tarp kit
- + Heavy duty strap kit (4 pc)



The **0.5** cu yd spreader is built to meet the requirements of both the **UTV** and **1/2-ton pickup** truck segment. Thanks to the convenient size of the spreader, it fits easily in most kinds of small machines like utility vehicles, tool carriers, and mini-loaders. This device is perfect for spreading in parking lots, court-yards, walkways, and pedestrian paths.

The high quality stainless steel hopper body guarantees a long-lasting corrosion-free use. The hopper surface is easy to clean and maintain, and it provides a smooth material flow. The spreader is designed for spreading bulk/bag sand, gravel, salt, sand-salt mixes, and fertilizers. Can optionally be equipped with pre-wet kit.



IceStriker™ 500 on UTV

# ICESTRIKER™ 500 STAINLESS STEEL SPREADER

Spreading width up to 30 ft



Flip-up chute



Tarp cover (optional) and top screen



IceStriker<sup>™</sup> 500 with pre-wet salt liquid kit, nozzles, pump with an external 26 gallon liquid tank

#### **STANDARD FEATURES**

- HTrack™ 2-way online tracking & control system (see page 31)
- ✓ StrikeSmart™ controller with automatic GPS speed control adjusts the amount of spreading material (lbs/1000 sq ft) according to your vehicle speed (see page 30)
- A 12-volt motor is mounted inside a sealed weather-resistant enclosure and requires no pulleys, sprockets, belts or chains
- ✓ Automatic vibrator prevents bridging and de-icing material from clogging by shaking the inverted Vee
- √ The 2.5" stainless steel auger gives you an even flow of material to the spinner
- ✓ Inverted-Vee helps reduce heavy start-up loads on the auger. All in stainless steel.
- √ Top screen prevents rocks and big material chunks from getting into the hopper
- √ Flip-up stainless steel chute

#### **OPTIONAL FEATURES**

- + LED Stop/Tail / Brake lights
- Beacon warning light
- + LED work light
- + Pre-wet salt liquid kit: nozzles, pump, tank
- Leg stand
- Two-piece tarp mechanism prevents spillage off into truck bed when filling the spreader
- + End of material alarm sensor on spinner
- +6'5" spray bar
- → 40' hose reel for spraying hard-to-reach areas with salt solutions or other liquids

# ICESTRIKER™ 45-100 TAILGATE SPREADER



The Hilltip IceStriker™ 45-100 is a 12V electric salt and sand spreader designed for installation on pickup tailgates, vans, utility vehicles, tractors, loaders and forklifts. Polymer hopper and mounted parts in stainless steel (bolts, bearings, etc.) make it the most cost-effective spreader on the market.



"THE WORLD'S FIRST SMARTPHONE
CONTROLLED SPREADER WITH FLEXIBLE
MOUNTING TO COMPACT TRACTOR,
PICKUP OR MUNICIPAL VEHICLES!"

The spreader is operated wirelessly (Bluetooth) through the next generation control system:

Hilltin StrikeSmart™ App (see page 30). Android

**Hilltip StrikeSmart™ App (see page 30).** Android smart phone is included.



IceStriker™ 75 tailgate spreader

# ICESTRIKER™ 45-100 TAILGATE SPREADER



Pickup Tailgate mount



*IceStriker*™ 10 cu ft Tailgate



LED Stop/Tail/Brake lights and white LED work light





Smartphone controller holder

#### STANDARD FEATURES

- √ HTrack™ 2-way online tracking & control system (see page 31)
- ✓ Automatic GPS speed control adjusts the amount of spreading material (lbs/1000 sq ft) according to your vehicle speed
- The spreader is operated wirelessly (Bluetooth) through the next generation control system: Hilltip StrikeSmart™ App (smartphone included)
- ✓ Independently controlled dual motors for the auger and spinner
- ▼ Feed mechanism: 2.5" stainless steel auger
- ✓ Storage transport wheels
- Mounting solutions for a variety of vehicles and machines

#### **OPTIONAL FEATURES**

- + Vibrator (for wet salt, gravel, salt and sand mix)
- +LED Stop/Tail/Brake lights
- + LED work light
- + Salt Stop kit for dry/ fine salt
- + Smartphone controller holder
- **+** Window/flat surface mount adapter
- + Hardwired StrikeSmart™ CAN-BUS Control with automatic GPS speed control

#### **MOUNT TYPES**

- ★ Tow hitch mount, bolted or J-type
- + EU tow/tailgate hitch
- + Swing away mount, bolted
- + 3-point hitch, Cat I/II
- Wheelloader/Fork lift 1"Pin hitch, adjustable (height adjustment)
- + Various wheel loader, tool carrier and forklifts mounts

# ICESTRIKER™ 800-1900 TR COMBI SPREADER





The Hilltip IceStriker™ 800-1900 TR is a 0.8-1.9 cu yd salt, sand, and fertilizer spreader with a polymer hopper and mounted parts in stainless steel (bolts, bearings, etc.) that gives you effective protection against corrosion and wear. This unique all-in-one spreader also includes integrated tanks for the optional liquid systems.



IceStriker™ 800 TR

#### STANDARD FEATURES

- ✓ HTrack™ 2-way online tracking & control system (see page 31)
- ✓ StrikeSmart<sup>™</sup> controller with automatic GPS**speed control** adjusts the amount of spreading material (lbs/1000 sq ft) according to your vehicle speed (see page 30)
- √ 12-volt motor mounted inside a sealed weatherresistant enclosure
- Automatic vibrator prevents material from clogging
- ✓ Feed mechanism: 2.5" stainless steel auger (800 TR) and 4.5" stainless steel auger (1200-1900 TR)
- ✓ Inverted-V helps reduce heavy start-up loads on the feed mechanism
- ✓ Stainless steel chute
- ✓ Includes an accessory wire for optional work light and beacon light
- Support legs

# ICESTRIKER™ 800-1900 TR COMBI SPREADER

Optional LED work lights, strobe lights and LED stop/tail/ brake light kit for 1200-1900 TR



Optional spray bar for 800 TR



Support legs and optional spray bar for 1200-1900 TR



IceStriker™ 1900 TR

#### **OPTIONAL FEATURES FOR 800 TR**

- + LED work light (white)
- + LED Stop/Tail/Brake lights
- + Beacon warning light
- + Different mounting solutions
- + End of material alarm sensor on spinner
- + Two-piece tarp mechanism prevents spillage off into truck bed when filling the spreader

#### **OPTIONAL FEATURES FOR 1200-1900 TR**

- + Lighting kit: Lighting kit: 2 LED work lights, 2 strobe lights, and 2 LED stop/tail/brake lights for enhanced visibility and safety
- Different mounting solutions
- + End of material alarm sensor on spinner
- → Two-piece tarp mechanism prevents spillage off into truck bed when filling the spreader

#### **OPTIONAL LIQUID FUNCTIONS**

- Pre-wet Salt liquid kit complete with nozzles and pump for use with tanks built into the spreader
- + Spray bar 6'7" with up to 16' spraying width
- + 40' hose reel for spraying hard-to-reach areas with salt solutions or other liquids



The IceStriker™ 0.55 cu yd stainless steel tractor spreader is ideal for parking lots, courtyards, walkways, and pedestrian paths.

Built with a high-quality stainless steel hopper, it ensures **long-lasting**, **corrosion-free performance**. The smooth surface makes cleaning and maintenance easy while providing efficient material flow.

The spreader features a **4.5" stainless steel auger**, ensuring consistent material flow for efficient spreading. Designed for versatility, it can handle bulk or bagged sand, gravel, salt, sand-salt mixes, and fertilizers.



#### **STANDARD FEATURES**

- √ HTrack™ 2-way online tracking & control system (see page 31)
- ✓ StrikeSmart™ controller with automatic GPS-speed control adjusts the amount of spreading material (lbs/1000 sq ft) according to your vehicle speed (see page 30)
- √ 12-volt motor mounted inside a sealed weatherresistant enclosure
- ✓ Automatic vibrator prevents material from clogging
- ✓ Feed mechanism: 4.5" stainless steel auger
- ✓ Inverted-V helps reduce heavy start-up loads on the feed mechanism
- ✓ Stainless steel chute
- ✓ Includes an accessory wire for optional work light and beacon light
- ✓ Support legs
- **✓** Tarp kit

# ICESTRIKER™ 550SS TR SPREADER



Lighting kit: 2 LED work lights, 2 strobe lights, and 2 LED stop/tail/brake lights



End of material alarm sensor on spinner



Stainless steel top screen



Support legs

#### **OPTIONAL FEATURES**

- → Lighting kit: 2 LED work lights, 2 strobe lights, and 2 LED stop/tail/brake lights for enhanced visibility and safety
- **→** Different mounting solutions
- + End of material alarm sensor on spinner
- + Spreading asymmetry adjustment, in cabin control 12V
- **★** Salt stop kit for dry/fine salt
- + Stainless steel top screen



IceStriker™ 550SS TR



The Hilltip IceStriker™ DSB is an **8-18 cu ft self-loading drop spreader bucket** designed for compact tractors and loaders. These hydraulic or 12V electric spreaders can be mounted on the front or back of vehicles and are perfect for parking lots, courtyards, walkways and pedestrian paths.

Control options for IceStriker™ DSB spreaders include the StrikeSmart™ smartphone app (via a Bluetooth link with the spreader) or the hardwired StrikeSmart™ controller. GPS speed control and the HTrack™ 2-way online tracking/control system are available as optional features.



Icestriker™ 90 DSB

#### STANDARD FEATURES

- √ Hydraulic, conventional control
- √ Top screen prevents rocks and big material chunks from getting into the hopper.

#### **OPTIONAL FEATURES**

- + 12 V electric
- Advanced control options:
  - Bluetooth StrikeSmart™ SmartPhone Control with automatic GPS speed control & HTrack™ 2-way online tracking/control system.
  - Hardwired StrikeSmart<sup>™</sup> CAN-BUS Control with automatic GPS speed control & HTrack<sup>™</sup> 2-way online tracking/control system.
- + Smartphone controller holder
- Self-loading design
- + LED Rear light kit
- + Various quick hook attachments for front loaders

# SPRAYSTRIKER<sup>TM</sup> DE-ICING SPRAYERS



"When using salt brine solution as a de-icing method you can save up to 75% on your salt usage on each route and reduce the impact on the environment!"

## SPRAYSTRIKER™ 500-3250 HI-FLOW DE-ICING SPRAYER



The Hilltip **SprayStriker™ HFE-series** sprayers are the largest sprayers in the SprayStriker™ product family. These truck bed mounted de-icing sprayers have **liquid tank capacities of 500-3250 gallons**. Our **fully-electric 12V/24V** de-icing sprayers help contractors reduce salt usage while increasing their level of service. The sprayer is designed for maximum liquid tank capacity on different sizes of chassis and truck bed lengths, with emphasis on Municipality equipment.

The durable and light poly tanks are supported by a galvanized steel frame construction, while the **dual Hi-Flow pumps**, motors, valves, and CPU units are protected inside an easy-to-reach powder-coated stainless-steel cabinet.

SprayStriker™ HFE-series sprayers come standard with a StrikeSmart™ controller featuring GPS speed control and HTrack 2-way online tracking and control system.

#### **STANDARD FEATURES**

- √ HTrack™ 2-way online tracking & control system (see page 31)
- ▼ The StrikeSmart™ controller lets you operate the sprayer and its functions from inside the cabin (see page 30)
- √ 12V dual Hi-Flow pumps with spray bar output of 20 gal/min
- √ 2-lane, 90" wide spray bar with double spray and side nozzles
- ✓ Self-loading and pump out feature with 2" camlock connection
- ✓ IP 67 rated strobe lights & LED work light

This product is manufactured under US and foreign patent pending.

# SPRAYSTRIKER™ 500-3250 HI-FLOW DE-ICING SPRAYER

#### **OPTIONAL FEATURES**

- + 65' stainless steel hose reel for de-icing hard to reach areas
- → 3-lane, 100" wide spray bar with double spray and side nozzles
- + 24V motors and battery power kit (2 x 115Ah)
- + Storage leg stand
- + Self loading leg stand for dump bodies
- + StrikeSmart<sup>™</sup> PLUS and TempStriker<sup>™</sup> systems provide weather forecasts and real-time air, road and dew point information (see page 33)



65' hose reel (optional)



Strobe lights



Spray bar with double spray, side nozzles and LED work light (white)



24V Battery (2 x 115Ah) power kit (optional)



Self-priming hi-pressure & flow Diaphragm pumps, motors and valves in closed cabinet

# SPRAYSTRIKER™ 135-400 DE-ICING SPRAYERS



The Hilltip SprayStriker™ 135-400 sprayer is available in different capacities to match each application, and to fit a wide range of vehicles. The SprayStriker™ can be used to pre-treat for ice prevention, post-treat for brine application, and can also be used in the summer for agricultural purposes.

The de-icing sprayer is designed for maximum modular liquid tank capacity, and use on a variety of trucks, utility vehicles, and machines worldwide.

The durable and light poly tanks are supported by a powder-coated stainless-steel frame construction. The liquid pumps and CPU-unit is protected inside an easy-to-reach powder-coated stainless-steel housing. Our **fully 12V electric**-powered units help contractors reduce salt usage while increasing their level of service.



SprayStriker<sup>™</sup> 135 on Kubota utility vehicle



SprayStriker<sup>™</sup> 200 with the optional 3-point hitch mount frame

# SPRAYSTRIKER™ 135-400 DE-ICING SPRAYERS

#### **STANDARD FEATURES**

- √ HTrack™ 2-way online tracking & control system (see page 31)
- ✓ GPS speed control adjusts the liquid flow (gal/1000 sq ft) according to your vehicle speed (see page 30)
- ▼ The StrikeSmart™ controller allows you to operate the sprayer and its functions from inside the cabin
- √ 12 V Twin pumps
- √ 20 gal/lane mile at max speed 20 mph
- ✓ 2" camlock inlet for filling sprayer
- $\checkmark$  6'7" spray bar with double spray nozzles (7 + 7)
- ✓ Nozzles on the end of the boom for extended spray width

#### **OPTIONAL FEATURES**

- + 40' hose reel for spraying sidewalks and other hard-to-reach areas
- + Beacon warning light
- + Adjustable leg stands
- ➡ Electric solenoid on X4 nozzles (controlled from the cab), working width: 6′7″ to 16′.
- → Nozzles with triple stream spray-pattern
- + Disinfection nozzle kit, Spray bar & Spray wand
- + 3-point hitch mount frame for SprayStriker™ 135 and 200



Optional manual hose reel



Optional legistand and sliding-tracks on truck bed for easy installation and removal of sprayer.



Double spray nozzles for de-icing even at higher speeds.



SprayStriker<sup>™</sup> 135 with LED work light and beacon light

## SPRAYSTRIKER™ 65 TR & 90 UTV - SERIES SPRAYERS

#### 65-90 GAL DE-ICING SPRAYER

The Hilltip **SprayStriker™ 65 TR & 90 UTV** de-icing sprayers feature a high-performance 12V pump specially designed for de-icing liquids. The sprayer is designed for compact tractors and UTVs for use on pathways and other narrow areas. It can also be installed on tailgates and in receiver hitches with a wider spray bar. The tank is polyethylene and the body is made of zinc based mild steel with a powder coated finish.

The sprayer unit is **delivered and controlled with the StrikeSmart™ Smartphone App** (Phone included). The SprayStriker™ can be equipped with a 40′ hose reel, 3 different widths of spray bars, as well as individually in-cabin controlled side-nozzles for increased spray width.

The sprayer unit can also be equipped with disinfection nozzles on both handheld and spray bar nozzles to fight germs, bacteria and viruses.



SprayStriker<sup>™</sup> 65 TR

#### **STANDARD FEATURES**

- ✓ HTrack™ 2-way online tracking & control system (see page 31)
- ✓ GPS speed control adjusts the liquid flow (gal/1000 sq ft) according to your vehicle speed (see page 30)
- ▼ The spreader is controlled with Hilltip StrikeSmart™
  App. Android smartphone is included
- √ 12 V pump
- √ 2.6′, 4′ or 6.5′ spray bar
- √ Nozzles on the end of the boom for extended spray width

#### **OPTIONAL FEATURES**

- + 40' hose reel for spraying sidewalks and other hard-to-reach areas
- + Beacon warning light
- + Directional in cabin control of side nozzels (both sides)
- Smartphone controller holder

#### **MOUNT TYPES**

- + EU tow/tailgate hitch
- Swing away mount, bolted
- + 3-point hitch, Cat I/II
- → Wheelloader/Fork lift 1" Pin hitch (height adjustment)
- + Various wheel loader, tool carrier and forklifts mounts



Hilltip StrikeSmart™ smartphone app.

# BRINEMIXX™ BRINE SOLUTION BLENDER



The Hilltip BrineMixx™ 135-800 external brine blender makes it easier to get the perfect water/salt mixture for your purpose. The blender includes a pump that transfers the prepared liquid into the tank of your brine spraying device at a rate of up to 80 GPM.

The blending tank and lid are made of durable polyethylene which gives you a rust and corrosion free lightweight product.

The BrineMixx<sup>™</sup> is available in three different sizes: **135** gal, **370** gal, and **800** gal.

#### **STANDARD FEATURES**

- ✓ Sharp edge to cut bags
- ✓ Liquid level indicator
- ✓ Heavy duty filter and 3-way valve



Sharp edge to cut bags



Heavy duty filter and 3-way valve

# BRINEMIXX™ BRINE SOLUTION BLENDER

#### **MATERIAL SOLUTIONS**

#### NaCl (Sodium Chloride):

Solid rock salt made into brine is the basis of most de-icing materials.

Freezing Point -5.8° F at Concentration of 23.3 %

#### CaCl (Calcium Chloride):

Natural liquid brine, most versatile deicer and commonly used to pre-wet.

Freezing Point -24.7° F at a Concentration of 29.8 %

"BY USING A LIQUID SYSTEM, YOU SAVE MONEY AND REDUCE YOUR ENVIRONMENTAL IMPACT WHILE ACHIEVING THE SAME DE-ICING RESULTS AS BEFORE"

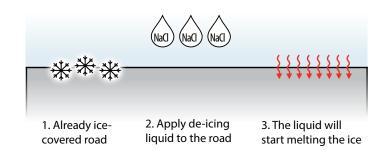
#### **ANTI-ICING**

By applying a liquid solution before the snow or rain falls, it will stay in the pores and cracks of the road and restrict the bonding of ice to the road surface. This allows snow and ice to be easily removed during plowing.

# 1. Apply de-icing liquid to the road rain falls 3. The liquid will restrict bonding

#### **DE-ICING**

When a liquid solution is applied to an already icy/ snowy road it will immediately start breaking up the ice from the top down. By mixing the right solution for your current winter temperatures, you wont be wasting salt or money.



De-icing solutions other than NaCl (Sodium chloride) can also be used, please see local recommendations.

TYPE	SALT BRINE NACL	PRE-WETTED NACL	DRY SALT NACL	GRANULATE
Spread volume	25-65 gal/lane mile	30-85 oz/1000 sq ft	65-130 oz/1000 sq ft	490-820 oz/1000 sq ft
Average Spread volume	55 gal/lane mile	55 oz/1000 sq ft	100 oz/1000 sq ft	590 oz/1000 sq ft
Spreading length/width	3300 ft/ 7 ft	3300 ft/ 7 ft	3300 ft/ 7 ft	3300 ft/ 7 ft
Spreading area	21500 sq ft	21500 sq ft	21500 sq ft	21500 sq ft
Spreading volume per mile	18.5 gal Brine = 35 lb	75 lb	130 lb	795 lb

These material weights are only guidelines. We do not take any responsibility in any direct or indirect damages or warranty cases concerning the values above.

# STRIKESMART CONTROL SYSTEM & HTRACK \*\*THE CONTROL SYSTEM\*\* \*\*THE CONTROL S

"Hilltip's spreaders and sprayers keep track of your expenses and provide evidence for slip and fall injury claims with HTrack™ as a standard feature!"







#### STRIKESMART™ CONTROL APP

The StrikeSmart™ control app is a standard feature for the IceStriker™ 45-100 tailgate spreaders and SprayStriker™ 65 TR - 90 UTV de-icing sprayers.

The smartphone app lets you customize your spreading session based on current conditions. Automatic GPS ground speed control adjusts the amount of material/ liquid according to your vehicle speed, while manual mode lets you insert a fixed auger/pump speed. Additionally, the app collects and saves essential data allowing you to generate reports. This wireless control system makes it easy to turn on/off functions like the vibrator, beacons, and work lights from inside the cab.

#### STRIKESMART™ CONTROLLER

**The StrikeSmart™ controller** is a standard feature for IceStriker™ 500-8000 and SprayStriker™ 135-3250.

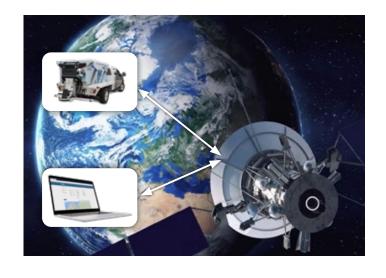
The full-color controller screen lets you customize your spreading session according to current conditions. Automatic GPS ground speed control adjusts the amount of material/liquid according to your vehicle speed, while manual mode lets you insert a fixed auger/pump speed. Additionally, the controller collects and saves essential data to integrated and USB memory allowing you to generate reports. The controller also makes it easy to turn on/off functions like the vibrator, beacons, and work lights from inside the cab.

#### HTRACK™ TRACKING SYSTEM 2025-01-01 08:47:24 Date Vehicle Transporter Customer **ABC** Contract Parking Area **ABC Parking** Work site Spreading dry Spreading mode Spreading material Salt 2.0 lbs/1000 sq ft Amount Spreading width 26 ft Vehicle speed 12 mph PROTECT YOUR BUSINESS FROM

The Hilltip HTrack™ system is compatible with all models of IceStriker™ and SprayStriker™ machines. With the tracking software you can track and manage all of your spreading devices online on your computer, tablet or smart phone.

**SLIP AND FALL LIABILITY** 

The HTrack™ system provides a **2-way online communication channel** as it informs the driver what sites to treat during operations. Application rates can be remotely set for each client's site according to weather conditions, enabling the driver to concentrate on completing the operation as quickly and safely as possible.



with HTrack™.

Detailed reports of ice control activities



## HTRACK™ TRACKING SYSTEMS

#### **FEATURES**

- √ Easy to use interface
- ▼ Track your devices in real-time or between specific time intervals:
  - Show route on map
  - Show speed, GPS location, material used, etc.
- √ Show one or multiple units
- ▼ The spreading/spraying width is visually represented on the map
- ✓ Download session reports and performance details
- √ You can preset desired application rate for all your spreaders for specific work sites
- ✓ HTrack<sup>™</sup> precalculates your salt usage per work site
- √ HTrack™ automatically recoginizes when the spreader reaches a preset work site
- √ You can change application rates on hundreds of spreaders in a few seconds
- √ All tracking data is collected under specific work sites for easy reporting



HTrack™ allows users to create work sites for their client's areas. They can see exactly the size of the area being treated and the amount of material needed.



Pop up on the controller screen when spreader reaches a preset work site.

#### WHY HILLTIP ICESTRIKER™ SPREADERS?

- ▼ The 2-way online capable tracking software allows communication between your smart phone/tablet/computer and your StrikeSmart™ controller.
- ✓ User friendly interface allows application rates to be remotely set and adjusted in real time for each customer site depending on weather conditions.
- ✓ HTrack<sup>™</sup> assists in route optimizations and resource allocations for increased operational efficiency and profitability.
- ▼ Reports of spreading material used daily, monthly etc. by specific customers.
- ✓ Detailed documentation of ice control activities at individual customer locations that provides additional evidence if legal action should become necessary.

# STRIKESMART™ PLUS & TEMPSTRIKER™

#### STRIKESMART™ PLUS

The **StrikeSmart™ PLUS** system is a next generation control system offered as an optional control feature to our current spreader controllers.

Hilltip's HTrack™ tracking and control system is the heart of our innovative system in our spreaders & sprayers, designed to provide you with real-time information and control over your spreader fleet.

#### **STANDARD FEATURES**

#### ✓ Real-time weather forecast

With HTrack™, you'll have access to up-to-the-minute weather forecasts tailored to your location. No more relying on outdated information. Stay ahead of weather changes and adapt your spreading strategy accordingly.

#### **✓** Spreading rate guidance

Based on the gathered data, HTrack™ provides **realtime recommendations for your spreading rate directly to the spreader controller.** This ensures efficient material usage while maximizing the effectiveness of your winter maintenance efforts. It can also suggest if you should use granulate salt or sand, pre-wetted salt or brine liquid.

#### **✓** Save spreading setting on a specific route

With our updated HTrack™ features, the operator can save a specific spreading setting on the route driven. This ensures the same spreading direction or spreading width is always the same for a specific location. These settings can be stored before or after the route has been treated.

#### **OPTIONAL FEATURES**

#### + Road condition monitoring with TEMPSTRIKER™

HTrack™, with our **TEMPSTRIKER™** sensor, continually monitors road conditions, assessing factors like **temperature**, **humidity**, and **surface conditions**. It's like having a digital road scout ensuring you always apply the right amount of material for the current situation.



8,7" touch screen and control panel



With the data fed by HTrack™, StrikeSmart™ can automatically adjust the spreader's settings to match the weather & road conditions. This automation ensures consistency and reduces the risk of over or under spreading.



By following the recommended spreading rates and adjusting them on the fly, you'll save on material costs while still maintaining optimal road conditions.

# TECHNICAL SPECIFICATIONS



- ICESTRIKER™
- SPRAYSTRIKER™
- BRINEMIXX<sup>™</sup>



#### ICESTRIKER™ 2000-8000 AM\*/CM\* SERIES SPREADER\*\*\*

MODEL	2000 AM/CM	2800 AM/CM	3400 AM/CM	4200 AM/CM	6000 CM	8000 CM
Total length (including spinner)	9.8′	9.8′	9.8′	11.8′	13.5′	15′
Minimum truck bed length	7.7'	7.7'	7.7'	9.5′	11.2'	12.8′
Width, min. truck bed	45"	45"	45"	45"	45"	45"
Width, Maximum (with tarp mounted)	67"	67"	67"	67"	67"	67"
Total height of the hopper from the loading surface of the carrying vehicle	42"	47"	52"	52"	52"	52"
Capacity, struck	2.0 cu yd	2.8 cu yd	3.4 cu yd	4.2 cu yd	5.7 cu yd	7.5 cu yd
Capacity, rounded	2.3 cu yd	3.2 cu yd	3.8 cu yd	4.7 cu yd	6.5 cu yd	8.5 cu yd
Weight (empty)	890 lbs	970 lbs	1025 lbs	1210 lbs	1650 lbs	2094 lbs
Hopper construction, dual wall			Poly			
Spreading width, min -max		2'-40' (may va	ry depending on	material)		
Spinner size			20"			
Auger diameter (stainless steel)			6"			
Chain conveyor	14"					
Material	Salt, Sand, Granulate/Mixed (max 5/16" Ø with auger)					
Vehicle min. Lb GVWR	8,500	13,000	15,000	15,000	15,000	15,000

<sup>\*</sup>A = Auger, C = Chain, M = Modular

#### **OPTIONAL LIQUID SYSTEM** \*\*\*

MODEL	2000 AM/CM	2800 AM/CM	3400 AM/CM	4200 AM/CM	6000 CM	8000 CM	
Pre-wet, Spray volume		0.8-3.2 gal/min					
Spray bar, Spray volume		20 gal/lane mile at 20 mph					
Pre-wet, Spraying width		3'- 26	o' (together with s	spreading materi	al)		
Spray bar, Spraying width			7' - 16	5′			
Pre-wet, liquid tank capacity	220 gal	220 gal	220 gal	260 gal	315 gal	370 gal	
Spray bar, liquid tank capacity	220-550* gal	220-550* gal 220-550* gal 220-550* gal 260-660* gal 315-790* gal 370-1056* gal					
Spraying material		Anti and de-icing liquids, water. **					

<sup>\*</sup> With optional bladder tank inside for spray bar system

<sup>\*\*\*</sup> Patent pending

<sup>\*\*</sup> Do not use flammable or petroleum liquids for the liquid system

<sup>\*\*\*</sup> Patent pending



#### ICESTRIKER™ 1200-1500 AM\* SERIES SPREADER\*\*\*

MODEL	1200 AM	1500 AMS	1500 AM
Total length (including spinner)	8.6′	8.6′	9.8′
Minimum truck bed length	6.2'	6.2'	7.5′
Width, min. truck bed	35"	35"	35"
Width, Maximum (with tarp mounted)	45"	45"	45"
Total height of the hopper from the loading surface of the carrying vehicle	39"	45"	39"
Capacity, struck	1.0 cu yd	1.4 cu yd	1.4 cu yd
Capacity, rounded	1.2 cu yd	1.5 cu yd	1.6 cu yd
Weight (empty)	495 lbs	540 lbs	594 lbs
Hopper construction, dual wall	Poly	Poly	Poly
Spreading width, min -max	2'-40' (may	vary depending on	material)
Spinner size	15"	15"	15"
Auger diameter (stainless steel)	4.5"	4.5"	4.5"
Material	Salt, Sand, Granul	ate/Mixed (max 5/1	6" Ø with auger)
Vehicle	1/2 & 3/4 ton trucks	3/4 & 1 ton trucks	3/4 & 1 ton trucks

<sup>\*</sup> A = Auger, M = Modular

#### **OPTIONAL LIQUID SYSTEM\*\*\***

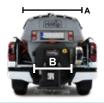
MODEL	1200 AM	1500 AMS	1500 AM	
Pre-wet, Spray volume	0.8-3.2 gal/min	0.8-3.2 gal/min	0.8-3.2 gal/min	
Spray bar, Spray volume	20 gal/lane mile at 10-20 mph			
Pre-wet, Spraying width	3' - 26' (together with spreading material)			
Spray bar, Spraying width	7' - 16'	7' - 16'	7' - 16'	
Pre-wet, liquid tank capacity	120 gal	120 gal	140 gal	
Spray bar, liquid tank capacity	120-320* gal	120-320* gal	140-400* gal	
Spraying material	Anti and de-icing liquids, water. **			

<sup>\*</sup> With optional bladder tank inside for spray bar system

<sup>\*\*\*</sup> Patent pending

<sup>\*\*</sup> Do not use flammable or petroleum liquids for the liquid system

<sup>\*\*\*</sup> Patent pending





#### ICESTRIKER™ 800 SPREADER

MODEL	800
Overall Width A	47"
Width B	35"
Minimum truck bed length C	47"
Height D	36"
Capacity, struck	0.7 cu yd
Capacity, rounded	0.8 cu yd
Weight (empty)	320 lbs
Hopper construction	Poly
Spreading width	3'-30' (may vary depending on material)
Spinner size	15"
Auger diameter	2.5"
Material	Salt, Sand, Granulate/Mixed (max 5/16" Ø)
Vehicle	1/2 ton pickup trucks

#### ICESTRIKER™ 1000-5500 SSA\*/SSC\* SPREADER



MODEL	1000 SSA/C	1400 SSA/C	2000 SSA/C	2650 SSA/C	3300 SSA/C	4500 SSA/C	5500 SSA/C
Total length (including spinner)	6.8′	6.8′	10'	10'	10'	12′	12'
Hopper length	4.5'	4.5'	8'	8'	8′	9.5'	9.5'
Hopper width, maximum	45"	45"	45"	45"	45"'	70"	70"
Width, min. truck bed	35"	35"	35"	35"	35"	45"	45"
Total height of the hopper from the loading surface of the carrying vehicle	31"	37"	31"	37"	43"	45"	50"
Struck volume	1.0 cu yd	1.4 cu yd	1.85 cu yd	2.50 cu yd	3.20 cu yd	4.3 cu yd	5.3 cu yd
Rounded volume	1.05 cu yd	1.45 cu yd	2.05 cu yd	2.70 cu yd	3.35 cu yd	4.5 cu yd	5.5 cu yd
Weight (empty)	474 lbs	518 lbs	606 lbs	672 lbs	728 lbs	950 lbs	1000 lbs
Hopper construction				Stainless steel			
Spreading width, min -max			2'-40' (may \	ary depending	g on material)		
Spinner size	15"	15"	15"	15"	15"	20"	20"
Auger diameter (stainless steel)	6"						
Conveyor Chain, width	14"						
Material	Salt, Sand, Granulate/Mixed (max 5/16"Ø)						
Vehicle	min. ½ ton	min. ½ ton	min. 3/4 ton	min. 3/4 ton	min. 3/4 ton	min. 15 000 lb	GVWR

<sup>\*</sup>SS = stainless steel, A = Auger, C = Chain

Specifications and other details are subject to change without notice.



#### ICESTRIKER™ 500 STAINLESS STEEL SPREADER

MODEL	500
Total length	65"
Hopper length	45"
Total width	35"
Height	30"
Weight	265 lbs
Capacity, struck	0.45 cu yd
Capacity, rounded	0.50 cu yd
Hopper construction	Stainless steel
Spreading width	3'-30' (may vary depending on material)
Spinner diameter	15"
Auger diameter	2.5"
Material	Sand, salt, gravel, mixes (max 5/16"Ø)
Power source	Electric 12V DC
PRE-WET SYSTEM	
Spray volume	0.8-3.2 gal/min
Liquid tank capacity	26 gal
De-icing solutions	Anti and de-icing liquids, water**

<sup>\*\*</sup> Do not use flammable or petroleum liquids for the liquid system



#### ICESTRIKER™ 45-100 SPREADER

MODEL	45	75	100		
Total width	31"	31"	31"		
Total depth	24"	24"	24"		
Total height	32"	41"	51"		
Capacity, struck	4.5 cu ft	7.5 cu ft	10.0 cu ft		
Capacity, rounded	4.6 cu ft	7.6 cu ft	10.8 cu ft		
Weight (empty)	128 lb	143 lbs	154 lbs		
Hopper construction	Poly	Poly	Poly		
Spreading width	3′-30	0' (may vary depending on m	aterial)		
Spinner size	13"	13"	13"		
Auger diameter (stainless steel)	2.5"	2.5"	2.5"		
Material	Salt, Sand, Granulate, Mixed (max 5/16" Ø)				
Vehicle	Utility vehicle	s, pick-ups, vans, tractors, loa	ders and forklifts		

Specifications and other details are subject to change without notice.





#### ICESTRIKER™ 800-1900 TR SPREADER\*\*\*

MODEL	800 TR	1200 TR	1500 TR	1900 TR	
Overall width	59"	80"	80"	80"	
Height	59"	66"	71"	75"	
Depth	58"	49"	49"	49"	
Capacity, struck	0.7 cu yd	1.0 cu yd	1.4 cu yd	1.7 cu yd	
Capacity, rounded	0.8 cu yd	1.2 cu yd	1.5 cu yd	1.9 cu yd	
Weight (empty)	705 lbs	1610 lbs	1665 lbs	1720 lbs	
Hopper construction	Poly	Poly	Poly	Poly	
Spreading width	3'-30' (may vary depending on material)	2'-40' (may vary o	lepending on mat	erial)	
Spinner size	15"	20"	20"	20"	
Auger diameter	2.5"	4.5"	4.5"	4.5"	
Vehicle	Tractors & Loaders				
Material	Salt, Sand, Granulate, Mixed (max 5/16"Ø)				

#### **OPTIONAL LIQUID SYSTEM\*\*\***

MODEL	800 TR	1200 TR	1500 TR	1900 TR			
Pre-wet, Spray volume	0.8-3.2 gal/min	0.8-3.2 gal/min	0.8-3.2 gal/min	0.8-3.2 gal/min			
Spray bar, Spray volume		20 gal/lane mile at 10-20 mph					
Pre-wet, Spraying width		3' - 26' (together wi	th spreading material)				
Spray bar, Spraying width	7' - 16'	7' - 16'	7' - 16'	7' - 16'			
Pre-wet, liquid tank capacity	87 gal	120 gal	120 gal	120 gal			
Spray bar, liquid tank capacity	87-238* gal	120-320* gal	120-320* gal	120-320* gal			
Spraying material	Anti and de-icing liquids, water. **						

<sup>\*</sup> With optional bladder tank inside for spray bar system

<sup>\*\*</sup> Do not use flammable or petroleum liquids for the liquid system

<sup>\*\*\*</sup> Patent pending



#### ICESTRIKER™ 550SS TR SPREADER

MODEL	550SS TR
Overall width	53"
Height	53"
Depth	34"
Capacity, struck	0.5 cu yd
Capacity, rounded	0.55 cu yd
Weight (empty)	585 lbs
Hopper construction	Stainless steel
Spreading width, min -max	3'-30' (may vary depending on material)
Spinner size	15"
Auger diameter (stainless steel)	4.5"
Material	Salt, Sand, Granulate/Mixed (max 5/16" Ø with auger)
Vehicle	Tractors and loaders

#### ICESTRIKER™ DSB



MODEL	80 DSB	100 DSB	90 DSB	110 DSB	140 DSB	180 DSB
Width	35"	35"	47"	47"	47"	47"
Height	24"	29"	24"	27"	30"	33"
Volume	8 cu ft	10 cu ft	9 cu ft	11 cu ft	14 cu ft	18 cu ft
Weight (empty)	300 lbs	375 lbs	355 lbs	420 lbs	440 lbs	465 lbs
Spreading width	2.6′	2.6′	3.6′	3.6′	3.6′	3.6'
Self loading	Yes					
Source of power	Hydraulic or 12V electric					
Material	Salt, sand, fine gravel/ mixed (max 3/8" Ø)					
Vehicle	Tractors & Loaders					

# **SPRAYSTRIKER™ SPECIFICATIONS**



#### SPRAYSTRIKER™ 500-3250 HI-FLOW SPRAYER\*

MODEL	500	750/800	1000	1600	2650	3250
Height	50"	56"	63"	63"	94"	94"
Width	57"	69"	78"	78"	88"	88"
Length	105"	111"	113"	161"	145"	175"
Tank volume	500 gal	750/800 gal	1000 gal	1600 gal	2650 gal	3250 gal
Spray width (max)	30'					
Spray volume, 12V/24V	20/40 gal/min					
1 lane, Max speed @20 gal/lane mile	50 mph					
3 lane, Max speed @20 gal/lane mile	20 mph					
Weight (empty)	1150 lbs	1215/1230 lbs	1280 lbs	1720 lbs	2100 lbs	2500 lbs

<sup>\*</sup> Patent pending

Specifications and other details are subject to change without notice.



SprayStriker<sup>™</sup> 500 HFE de-icing sprayer

# SPRAYSTRIKER™ SPECIFICATIONS



#### SPRAYSTRIKER™ 135-400 SPRAYER

MODEL	135	200	265	400
Height	41"	49"	41"	41"
Width	42"	50"	42"	42"
Length	39"	50"	63"	89"
Tank volume	135 gal	200 gal	265 gal	400 gal
Spray width (max)	16'	16'	16'	16'
Spray volume	20 gal/lane mile at 20 mph			
Weight (empty)	400 lbs	440 lbs	505 lbs	620 lbs



#### SPRAYSTRIKER™ 65 TR & 90 UTV SPRAYER

MODEL	65 TR	90 UTV
Liquid tank capacity	65 gal	90 gal
Width	35"	39"
Height	47"	37"
Length	28"	34"
Weight (empty)	265 lbs	310 lbs
Spray bar width	2.6′, 4′ or 6.5′	2.6′, 4′ or 6.5′
Spraying width	2.6' - 16'	2.6' - 16'
Spray volume	0.8-4.8 gal/min	0.8-4.8 gal/min
Power supply	12 V, max 30 Ah	12 V, max 30 Ah

# BRINEMIXX™ SPECIFICATIONS



#### BRINEMIXX™ BRINE BLENDER

MODEL	135	370	800
Capacity	135 gal	370 gal	800 gal
Output (max)	80 GPM	80 GPM	80 GPM
Empty weight	119 lbs	187 lbs	370 lbs
Height	41"	50"	79"
Tank diameter	35"	49"	59"
Total diameter	43"	58"	67"



SprayStriker™ 135 de-icing sprayer

## **SNOW AND ICE CONTROL EXPERTS**

Hilltip is a leading European manufacturer of road maintenance equipment for trucks, tractors, UTVs, and more.

Our products are designed, engineered, and manufactured in our factory in Finland and distributed worldwide. Head office, development, and main production are located in Pietarsaari, Finland, and we have two subsidiaries: Hilltip Corp., with a North American production plant in Indiana, USA, and Hilltip GmbH sales office in Germany.

The climate of Finland and many years of experience have made us experts in developing the most efficient and durable products for snow and ice control. The combination of high quality materials and state of the art technology makes it hard to compete with Hilltip products.



Hilltip reserves the right under its product improvement policy to change construction or design details and furnish equipment when so altered without reference to illustrations or specifications used. Hilltip or the vehicle manufacturer may require or recommend optional equipment for spreaders and sprayers. Do not exceed vehicle ratings with a spreader or sprayer. Hilltip products are manufactured under several US and foreign patents pending. Hilltip offers a limited warranty for all products. See separate document for warranty information. The following are registered (®) and unregistered (™) trademarks of Hilltip: IceStriker™, SprayStriker™, BrineMixx™, SnowStriker™, SweepAway™, Jet-it™, StrikeSmart™, HTrack™, TempStriker™, Hilltip®.