



Introducing the
Most Efficient, Flexible
Winter Weather Warrior
on the Runway!

Old Man Winter, Meet the Hagie **GST** Runway Warrior

The Hagie GST Runway Warrior
Takes Winter Runway Ops to

A New Level.

When winter storms hit, a few minutes can mean the difference between keeping your runways open and lengthy delays and cancellations. Delays can cause frustration in airline customers, significant expenses to airlines and headaches for airport personnel.

The Hagie GST (Ground Support Tractor) Runway Warrior helps keep your runways open by allowing you to use one operator to clean all your lights and signs, delivering significant annual savings. Its unique Quick-Tach system allows an operator to easily switch from plow and edge-light clearance duties to wide-swath application of de-icer solution. This multi-use design means you get more winter weather machine for your money. And, with airport shutdown costs measured in thousands of dollars per minute, having a machine that can do more is critical.

High speed. High capacity.

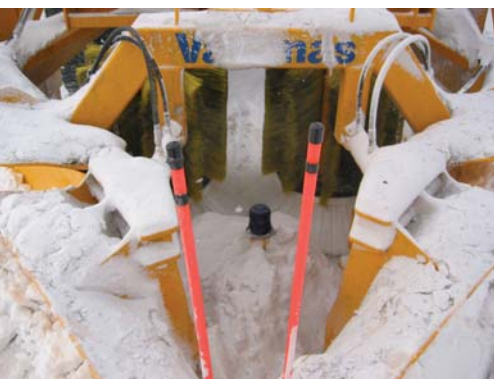
Why spend hours clearing lights and signs by hand after a high speed clearing of the runway? The GST can clear lights and signs quickly so runways can open faster, helping reduce delays and cancellations. Using one operator vs large crews enables airport authorities to save tens of thousands of dollars annually, delivering a rapid payback on your investment.



Edge Light and Sign Clearing with the GST

Featuring an industry-proven Vammas v-plow, the Hagie GST is the ideal machine for quickly clearing runway lights and signs.

A set of hydraulically-powered brushes spin behind the v-plow. The operator opens the plow while approaching a light or sign, allowing the brushes to quickly clear snow or ice from the lights and signs.



(A) As the operator approaches an edge light or sign, the plow pivots open, allowing two hydraulically-powered brushes to clear snow and ice with ease.



(B) Rotating brushes and inside scrapers funnel and throw the snow to each side of the plow, clearing a total width of 14-feet with a single pass.



(C) After the light or sign passes through the brushes, the wedge closes and continues to plow. The clean, unobstructed clearance from plow to "tail" of the machine means no worries of damaging the lights or signs (up to 42" high) after clearing them.

Superior solution capacity

The 2000 gallon tank is constructed from stainless steel. An adjustable agitator continually circulates the solution inside the tank to ensure an even solution mixture. The tank is located between the front and rear axle, giving the machine equal weight distribution from full-tank to empty.



Compact hydraulic-fold boom design

The UpFront® boom folds easily to a narrow 12-foot width for easy transport and storage. Folding and unfolding is controlled using hydraulic controls within the cab. The UpFront® boom design greatly increases operator visibility and improves airfield safety.

De-icing with the Hagie GST Runway Warrior

Originally engineered to handle rugged use over rough farmland, the GST's exclusive UpFront® spray boom allows the operator to apply de-icing agents up to 120-feet wide on a single pass. Combine that with a 2000 gallon tank capacity and a speed rating of up to 30 mph and you have the ability to de-ice miles of runway with fewer passes.



The GST's Raven rate control system

improves coverage consistency and reduces solution cost with the help of a self-priming spray circuit. The system automatically determines the optimal spray pressure based on operating speed.

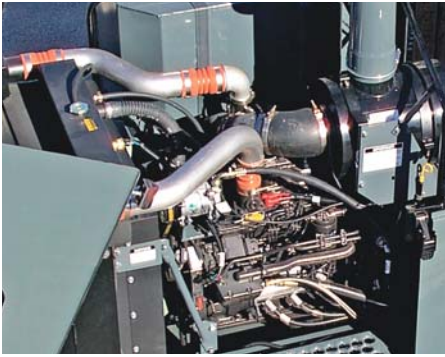


Even runway application

Precision spray nozzles and nozzle spacing means traveled surfaces get an even application of de-icing solution from boom tip to boom tip - reducing the risk of "spotting" that can cause deceptively slippery conditions. A full view of the UpFront® boom and boom height adjustment helps reduce boom damage.

Hagie's Quick-Tach System

Allows an operator to switch from blade to boom in minutes without any tools. This double-duty capability means runways are cleared more efficiently without investment in another machine. And, why wait for winter to recoup your investment? Using the boom setup, the GST can easily be used to spray for weed and insect control during the warm-weather seasons.



Power

A 275 hp 6.7L Cummins QSB engine powers the GST's X-DRIVE® – dual, cross-coupled hydrostatic drives that provide infinitely-variable speed control. That means you have better control and more power – even in the worst winter conditions.

Visibility

The GST's 67.2 square feet of DOT approved, tempered, UV reflective glass gives you a 210-degree view from the driver's seat. The high-riding cab gives you a better "over-the-top" view of the boom or plow for better control. Dual oversized heated rear-view mirrors and a dozen high-intensity, adjustable halogen lights make visibility easy – even at night. Premium wipers clear snow, ice and rain from the front windshield and both side windows.

Comfort

A spacious Vision-Series cab features ergonomically-designed controls. A rear-mounted engine and whisper quiet 67 decibel cab rating makes it easier to hear ground and tower instructions. A 7-way adjustable air-suspended seat creates a smooth ride.

SPECIFICATIONS

Cab	Air-suspended seat with deluxe training seat; wraparound front glass with unobstructed 210-degree panoramic view; digital, multi-function display; heat and A/C with charcoal activated filtration; easy access cab door and "steer easy" adjustable steering column; front and side window wipers with 36 gal. high-capacity deluge system; heated mirrors; aux. 12-V power outlets; aux. radio mounting points.
Lighting	12 Halogen work lights; interior dome light; LED instrument lighting; turn signal and hazards; 2 roof-mounted amber strobe lights; 4 boom-mounted amber/red clearance lights.
Engine	Cummins 6.7L QSB, 275 hp with air-to-air cooler, turbo charger and air compressor. Peak torque 730 ft. lbs. Tier-3 emissions compliant.
Fuel capacity	150 gal. single fuel cell
Hydrostatic Drive	Tandem 75 cc pressure compensated with multi-range speed control and incremental speed adjustment within each range; full-time four-wheel drive with X-Drive® electronic displacement control into infinitely variable wheel motors and independent planetary gear hubs.
Suspension	Patented, four-wheel, independent air-ride with live air supply and auto-loading sensing adjustment
Operating Speeds	Spray: 0-30 mph; Plow: 0-10 mph; Transport: 0-30 mph
Height	135 in.
Width	143 in.
Length	348.5 in.
Wheel base	166 in.
Ground Clearance	58 in. with spray boom; 42 in. with plow
Turning Radius	24 ft.
Dry Weight	26,420 lbs.
Loaded Weight	44,750 lbs.
Edge Light Plow Ready	Full quick disconnect of Vammas 4200 Edge Light Plow
Spray Booms	60/80/90 foot width multi-use with 5-section plumbing; tip breakaways; full nozzle body protection. Optional 100- and 120-foot booms
Boom Height Adjustment	8 to 93 inches; 85-inch range
Solution Tank	2000 gallon stainless steel
Solution Fill	3-inch quick fill (LH side location)
Agitation	Variable rate sparge
Spray Control	Raven 4600 (GPS ready)
Tires	14.00R25 3* RL-4L Haulage (E-4) Goodyear
Options	Auto steer; as-applied mapping; auto boom height control; data logging



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