



Available on the Freightliner M2 or Autocar Xpert chassis

Off-The-Shelf Components
Rugged Durable Design
One Button Sweeping

Four Hydraulic Pumps
Simple to Maintain
Easy to Operate



PM-10 &
California South
Coast AQMD
Rule 1186
Certified

**MAXIMUM SWEEPING POWER
AGILITY - VERSATILITY – RELIABILITY**



The Les Hulicsko story. A proud history of innovation and quality

Sweeprite was founded in 1976 on the Canadian Prairies by Mr. Les Hulicsko, a talented Engineer who fled his home in Hungary after it was invaded by Soviet forces, Les discovered that his pro-democracy stance had made him a wanted man. He made the difficult decision to leave and emigrate to the United States. Unfortunately, quotas were full and Les found his way to a new beginning on the Canadian Prairie.

Les was never one to shy away from a challenge. He would eventually use his engineering talents to revolutionize window cleaning tools, agricultural rock picking devices, automated pothole patching machines and of course road sweeping technology.

Les pioneered the use of hydraulic power in street sweeping machines. During the early 70's, Les owned a building services company and was disappointed with the generally poor reliability record of the mechanical sweepers he had purchased. These PTO, shaft, chain and gear driven units were prone to breakdowns and required constant maintenance.

Les envisioned a road sweeper with a standalone hydraulic pump powering the gutter brooms, main broom and elevator. His design dramatically reduced the number of moving parts which required maintenance or replacement. Needless to say, it was an immediate success in the sweeping industry



Although officially retired, Les is still experimenting with new Air Sweeper designs at his research facility in Regina, Saskatchewan. You still can find his engineering DNA in many of today's popular road sweeping machines. In 2015, the World Sweeping Association recognized Les Hulicsko's contributions to the power sweeping industry with its annual "Award of Excellence".





Powerful Sweeper

The Sweeprite S3 is the most powerful mechanical road sweeping machine available. Its Kubota Tier4F Turbo Diesel auxiliary engine and four dedicated hydraulic pumps provide you with the focused power you need to take on the extreme sweeping challenges of road milling.

Effective use of technology

Sweeprite's one button start and stop system reduced operator workload while giving you outstanding performance in a wide range of applications and conditions. The S3's electronic-hydraulic controls are simply to use and service. Our reliance on off-the-shelf parts means locally stocked replacements are available when you need them.



Adjustable floating Broom

The S3 features free floating adjustable main and gutters brooms which follow the contour of the road's surface. Sweeprite's lift and retract gutter broom feature reduces the vehicle's overall width while traveling.

Unrivaled dust control

Sweeprite's patented Water Saver System applies water droplets to the broom tips where the moisture is needed. This reduces the amount of water sprayed on the street to control dust. Sweeprite sweepers are PM-10 and California Rule 1186 Certified.



Centre mounted hopper with variable dump height

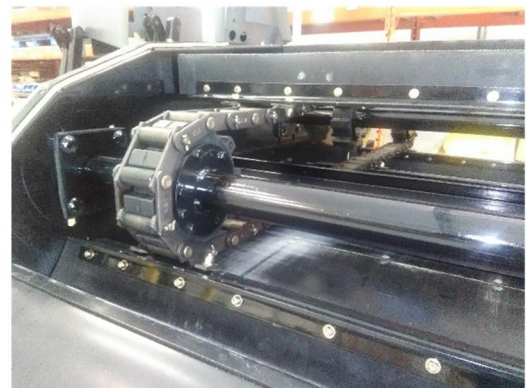
The S3's hopper is mounted in the center of the sweeper for loading efficiency and safe weight distribution. Debris level is monitored through a LEXAN window or by an optional video camera. The S3's dependable single ram lift mechanism permits dumping from an infinite choice of heights between 21" and 138".

Operator Friendly

The S3's powerful Autocar Xpert or Freightliner M2 chassis provides operators with outstanding maneuverability, visibility and safety. Everyone appreciates the quiet, comfortable workplace our sweepers provide.

Fuel Efficient and Low-Cost Maintenance

The S3's simplicity of design, innovative engineering, off-the-shelf parts and quality craftsmanship means you will be spending more time on the road sweeping.



GENERAL SPECIFICATIONS:

Chassis:

Freightliner M2, 106

Sweeping path: 132"

Overall height: 110"

Overall Length 296"

Wheelbase 169"

GVWR: 33,000 lbs.

Also Available:

Autocar Xpert, ACMD 42 Class 7

ENGINE, AUXILIARY:

Manufacturer: Kubota

Model: V3307-CR-TIE4B

Engine type: inline four-cylinder, turbo diesel

Emission Regulation: Tier 4 Final

Displacement: 3.33 liter

Rated horsepower: 74 hp

MAIN BROOM:

Hydraulic direct drive: variable and reversible

Diameter: 36" (914 mm)

Steel core: 60" (1,524 mm) long

GUTTER BROOMS:

Number of brooms: 2

Design: free-floating hydraulic suspension

Diameter: 50" (1,270 mm) 5 segments

Hydraulic direct drive: reversible

Adjustment: independent left, right, up & down

Controls: pressure & wear

LIGHTING (ELECTRICAL) SYSTEM:

High output LED warning beacons

Back-up lamps with audible alarm

LED Gutter broom and main broom spotlights

DEBRIS HOPPER:

Material volume: 6.0 cu yd volumetric

Maximum dump height: 138" (3,505 mm)

Minimum dump height: 21" (533 mm)

Right side dumping: standard

Dump capacity: 14,000 lbs. (6350 kg)

Single telescopic hydraulic lifting cylinder

WATER SYSTEM:

Water Saver System

Capacity: 400 Gallons

Tank material: polyethylene

Electric pump (2): Diaphragm, 4.0 GPM

Water system material: non-corrosive

Spray Nozzles:

8 under cab

4 over main broom

2 ahead of each gutter broom

Water Saver Drip nozzle over each Gutter Broom

HYDRAULIC SYSTEM:

Tank capacity: 45 Gallons

Pump: Quad Gear Pump

Pump Capacity: Two 8 GPM Pumps,

Two 10 GPM. Pumps (1,800 RPM)

Controls: electric over hydraulic

Hydraulic drive motors: all interchangeable

Hydraulic fluid cooler: air to oil

CONVEYOR:

Squeegee-type system with 9 flights

Width: 56.5" (1,435 mm)

Hydraulic direct drive, three axle system

Variable speed and reversible

Relief valve protected

Conveyor Flush system included

INSTRUMENTATION & CONTROLS:

Multiview Electronic Display: tachometer and hour

meter, engine oil pressure gauge and engine

coolant temperature gauge

Warning lights: elevator stall, low water, hydraulic

temperature, hydraulic low level

Your Local Sweeprite Dealer: