



SIRIUS AST

Advanced Spreading Technology



- the safe way!

SIRIUS AST

- a salt spreader with many applications

SIRIUS AST is the global flagship of our modern winter service machines. It has been developed to precisely meet the requirements of the Danish Road Directorate and the requirements of municipalities and developers throughout the whole of Europe.

SIRIUS AST can work with dry matter or pre-wetted salt.

This ensures a short response time to changing weather and weather conditions during operation.

This advanced combination spreader incorporates several different spreading methods within a single machine, which ensures high efficiency and reliable execution when keeping areas clear of snow and ice in winter.

The application system in all SIRIUS AST models is designed in accordance with the Epoke method, which ensures uniform and precise spreading of all forms of spreading material, regardless of temperature conditions or the material's characteristics.

A roller along the entire hopper length evenly empties the hopper and maintains the machine's centre of gravity, which increases the safety for the driver during the operation.

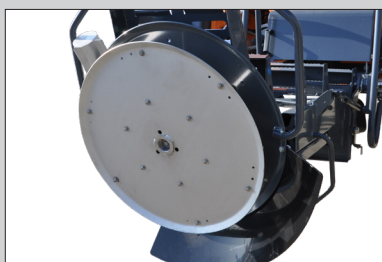
The system's spring base guarantees fast adaptation to the different spreading materials, which increases flexibility.



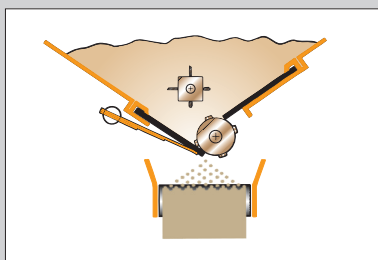
The material is moved to the spreading disc either via a conveyor belt or conveyor auger.

The hopper design ensures that it can be detached when full – up to a total weight of 17 tonnes, without having to fit extra reinforcement. It is the only hopper of its kind on the market that can do this.

This means for example, shorter response times when called out because spreading can be started immediately.



The spreading disc with or without a mixing chamber is selected independently of the spreading material. Efficient spreading at speeds of up to 60 km/h.



The Epoke method ensures the uniform and precise spreading of all forms of spreading material, regardless of temperature conditions or the material's characteristics.



All of the vital components are located in a sealed and locked engine compartment and thus protected from salt dust. The machine is also designed to be user-friendly – both for the driver and service personnel.



Everything on SIRSUS AST is designed to solve the task optimally and in the shortest time possible without compromising environmental considerations or the safety of the driver and his surroundings.

SIRSUS AST benefits:

- Closed engine compartment, which contains hydraulic and electrical components.
- Telescopic funnel with variably adjustable funnel length. Can be adjusted by one person.
- Ladder with integrated spreading disc mounting.
- Tarpaulin opens for the entire width of the spreader.
- Service-friendly – the spreader is developed in collaboration with service professionals.
- Guard rail integrated in the tarpaulin system.
- Many different unloading systems – **See accessories brochure**
- Flexible solutions that can be adapted for all types of trucks and which ensure the truck's correct centre of gravity.
- Easily accessible operating positions behind the spreader within safe reach.
- Fast response in changing weather and weather conditions, even during operations.
- Working speed of up to 60 km/h with the spreading disc.
- A highly efficient spreader, which can work with salt, pre-wetted salt, sand and gravel.
- Independent operation, synchronous spreader amount compensation.

Operational mode



Hydraulics
SH – Vehicle hydraulics.
40–50 l/minute 170 bar
at 60 km/h.
Max. 75 l/minute, short
period.



Diesel engine
SE – own water-cooled
diesel engine.
2, 3 or 4 cylinders.



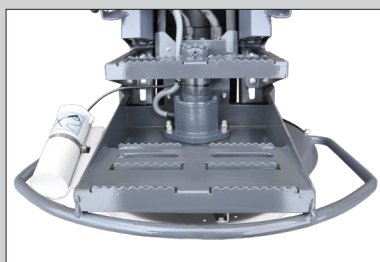
SW – 'the fifth wheel'
(road wheel)
A very flexible option,
which makes the spreader
independent of the vehicle.
Patented by Epoke A/S.



SR – Hub drive
A very flexible option,
which makes the spreader
independent of the vehicle.



The specially developed liquid tanks ensure that there is stable distribution of liquid inside the tanks.
The durable liquid tanks are made from thermoplastic material, which is resistant even in extreme climate conditions.



Wide steps on the spreading disc arrangement means safe and easy access to the engine compartment.



Remote control options:
EpoMini X1, EpoMaster X2 or EpoMaster X1.

Spreader series	Small	Medium	Large
Width, max. mm	2124		
Truck bed height, mm	1285 - 1725		
Height, mm	1620 - 1926	1620 - 2046	1737 - 2082
Truck bed length, mm	3385 - 4465	4140 - 5420	4971 - 6251
Deadweight, kg	1463 - 1915	1709 - 2195	2193 - 2670
Hopper capacity, m ³	3 - 5*	4 - 7*	6 - 9*
Spreading width, m	2 - 14		
Pre-wetting, percentage	5 - 100 (standard 30%)		
Asymmetry from spreader's middle, max.	9 m		
Electrics	Connector, EN ISO 4165, 12 - 24 V, min. 10 A		
Remote control	EpoMaster X2, EpoMaster X1, EpoMini X1		

*with option for 1 or 2 m³ hopper extension frame.

Epoke Group

We produced our first sand and salt spreader in 1955, and since then we have solely focused on the development, production and sale of machines and equipment for the treatment of icy roads. Today, we are a global leader. In Denmark, sales are carried out by our own sales staff, while abroad our subsidiaries and 31 dealers manage sales.

Learn more at www.epoke.dk

Epoke A/S
Vejenvej 50
6600 Vejen
www.epoke.dk

