



## **SIRIUS AST** Twin Runway Combi

*Airport spreader with advanced spreading technology*



## Many benefits in a single spreader

SIRIUS AST Twin Runway Combi is the result of life-long experience in keeping areas around the world clear of snow and ice in winter. Intensive contact with customer and partners has identified the need for several concepts in a single machine. Very little active material is required when fighting hoar frost and by using an aqueous solution, spreading is effective. And when there is a need for larger amounts of spreading material, dry matter or pre-wetted material can be used.

The ability to combine concepts makes this spreader series highly flexible and it delivers cost savings.

## Dosing and spreading of dry matter

The Epoke method is a unique dosing system that ensures precise dosing, where bridging in the hopper is minimised and any clumps that form in the material are crushed.

Spreading is executed via the spreading disc, which allows a spreading width range of dry matter of 4–18 m.

The spreading width can be set in steps of 2 m for dry/pre-wetted spreading.

SIRIUS AST Twin Runway Combi has a dry matter capacity of 4–7 m<sup>3</sup> - as required.

## Liquid spreading

SIRIUS AST Twin Runway Combi can spray liquid to prevent icy pavements or to bind dust. The liquid's ability to stick to the surface reduces the amount of spreading material required.

SIRIUS AST RUNWAY Twin Runway Combi spreads liquid using two hydraulically operated spreading wings, which provide high precision when spreading with fan nozzles. The spreading width is 15 m for liquid at speeds up to 60 km/h.

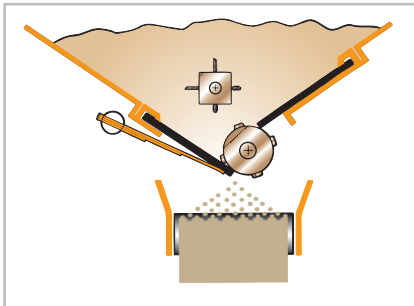
When spreading liquid, the centre 4 m boom is always on. The two 5.5 m side booms can be switched on together or separately.

SIRIUS AST Twin Runway Combi is available with a liquid tank capacity of 3,180–11,000 l - as required.

## Benefits of SIRIUS AST Twin Runway Combi

- **Hydraulically foldable spreading wings, which are operated via the EpoMaster X1 remote control**
- **Specially developed for airports**
- **Precise spreading**
- **Large spreading width**





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



Electric liquid indicator supplied as standard. Liquid level can be monitored from 0–100% via LEDs.

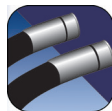


The specially developed liquid tanks ensure that there is a stable distribution of liquid contents inside the tanks. The durable liquid tanks are made from thermoplastic material, which is resistant even in extreme climatic conditions.



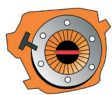
Spreading of dry matter and pre-wetted dry matter via the spreading disc. Liquid is spread via fan nozzles, which allows liquid spreading at high speeds.

### Operational mode



#### Hydraulics

SH – All of the operating functions are carried out via the truck's hydraulic system



#### Diesel engine

SE – All of the operating functions are managed by the diesel engine

### SIRIUS AST Twin Runway Combi

- Fast response in changing weather and weather conditions during operations
- Simultaneous delivery of liquid (nozzles) and dry matter (spreading disc)
- Highly flexible volumes of liquid and dry material
- High-precision application
- Reduction in the amount of salt used and in material costs
- Eco-friendly spreading
- Wireless remote control
- Hydraulically operated spreading wings
- Low-noise, water-cooled diesel engine (optional)
- Spreading width range of 4–18 m at 60 km/h

## Design

Vital components are installed in the engine compartment which ensures greater operational reliability and optimal working conditions for service personnel tasks.

The spreading disc arrangement has an integrated ladder, which has wide rungs, providing the user with safe and easy access when inspecting the hopper.

SIRIUS AST Twin Runway Combi is designed to be used in any country; therefore the liquid tank is made from thermoplastic material.

The modular liquid tank meets individual requirements for dry matter/liquid ratios.



Optional: SIRIUS AST Twin Runway Combi can be supplied with an optional 4-cylinder Lombardini engine.

## 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](http://www.epoke.dk)

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