

# OPTIONS

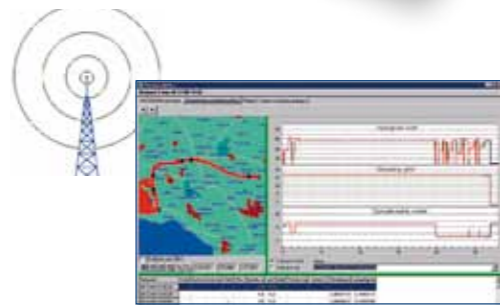
EpoSat®  
GPS-controlled spreading



Wireless EpoMaster® IV  
remote control



Datacollection  
GSM & GPRS



Spreading disc with  
mixing chamber



# SIRIUS AST®

SIRIUS AST® (advanced spreading technology) is a road-speed related and synchronous spreader featuring the Epoke-dosing principle. Hopper sizes: 3-9 m<sup>3</sup>



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In order to maintain the high and uniform product standard Epoke® A/S has been certified by Lloyd's register to ISO 9001:2008.  
TLG B-3 approval  
GS approval  
E1 approval  
RoHS directive  
WEEE directive



100111 - pla



- de-icing of roads!

**New developed functional design**

Through the long experience in development of machinery for slippery roads control Epoke® A/S has now produced the unique and functional SIRIUS AST® spreader.

SIRIUS AST® features well-tested, high-quality components guaranteeing reliability and a long service life.

The basic construction and well placed components provide optimal working conditions for the operators as well as service people.

Control functions for emptying, liquid filling and the cover are placed ergonomically correct on the spreader rear thus enabling the driver to work these functions standing on the ground without having to climb the spreader.

**Hopper structure**

The SIRIUS AST® series is available in 3 basic hopper lengths thus making adaptation on all types of trucks possible. The Epoke dosing principle ensures problem-free distribution of all spreading material types as well as uniform horizontal emptying of the hopper. Thereby the ideal center of gravity of the hopper on the truck is maintained and optimal roadability is achieved.

**Spreading technique**

The SIRIUS AST® spreading disc provides a sharply defined spreading pattern using all types of spreading materials. Furthermore, the well-known and patented Epoke spreading disc with mixing chamber, which guarantees 100% prewetted material, is available as an option.

**Electrical control**

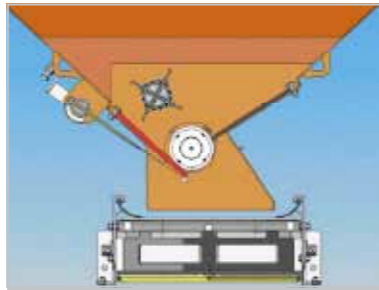
As standard the SIRIUS AST® is equipped with the EpoBasic® remote control.

The wireless EpoMaster® IV remote control (option) enables quick material shifting, as well as spreading pattern control and symmetry adjustments.

The larger display enables easy adjustment of all spreader settings and trouble shooting for service. Thus a problem-free installation is made possible on all vehicles without wiring between control unit and spreader.



central components in a clear and easily accessible manner (IP 44). The top-hinged door provides shelter from snow/rain.



The Epoke-principle delivers the material in a uniform and accurate manner irrespective of temperature conditions and material quality.



Patented spreading disc with mixing chamber, which ensures a 100% mixture of salt and liquid (optimal prewetting).



EpoTector -the touch-free spreading detector, patented by Epoke® A/S.



SIRIUS AST® spreading disc for delivery of all material types. The spreading disc arrangement features an integrated ladder.



Convenient folding cover with lock mechanism and full hopper opening.



Specially designed liquid tanks for uniform filling/emptying rate.



**SIRIUS AST®**

- New-developed conveyor belt
- Weight reduction
- New-developed spreading disc
- New electrical control
- Quick-release for faster hopper emptying
- Wireless remote control (option)
- Low-noise, water-cooled diesel engine (option)
- Functional design




**Dosing principle**

The Epoke principle permits problem-free delivery of all types of spreading materials. The unloaded conveyor belt ensures problem-free starting up without regard to temperature conditions or spreading material.

- The Epoke principle consists of:
- Agitator, which prevents material bridge building and breaks large lumps thus achieving a uniform and steady material supply.
  - Delivery roller, which provides uniform emptying of the hopper along the entire spreader length.
  - Unloaded conveyor belt, which easily transports the accurately dosed material to the spreading disc without lumps and rocks.

- Advantages:
- Low starting moment
  - Minimum wear – service-friendly
  - Uniform material supply
  - Crushing of lumps in spreading material
  - Prevention of bridge-building in hopper
  - Uniform hopper emptying, which prevents a shifting of the horizontal center of gravity of the truck.
  - Problem-free spreading of all material types
  - Low power consumption

**Drive systems**

-  **Hydraulic system**  
SH – vehicle hydraulic system.  
40 - 50 l/min. 170 bar at 60 km/h.  
Max. 75 l/min. briefly.
-  **Diesel engine**  
SE - own watercooled diesel engine.  
2, 3 or 4 cylinders.
-  **SW - the 5th wheel (road wheel)**  
A very flexible option, which makes the spreader independent of the vehicle. Patented by Epoke® A/S.

The SIRIUS AST® spreader is synchronous meaning the adjusted spreading amount per m<sup>2</sup> remains constant irrespective of spreading width or vehicle speed.