



Press release

Voitsberg/Hannover, November 2023
Hall 22, booth B12

AGRITECHNICA 2023:

The world market leader presents new irrigation boom cart

Bauer sets new standards in irrigation technology with the AS50 NEO

The Bauer Group from Austria, the world market leader in irrigation technology, is presenting the new, lightweight AS 50 NEO boom cart that can be easily folded to transport width at Agritechnica 2023. Bauer is setting new standards in boom cart technology: It is the only boom of this size that can be transported on the road together with the hose reel machine. And it weighs so little that it can even be folded in or out very easily.

There is currently a strong trend in the direction of low-pressure systems that conserve energy and resources. Many farmers decide to equip their hose reel irrigator with a boom cart instead of a wide-jet sprinkler to benefit of the advantages of low-pressure irrigation such reduced pressure for lower energy consumption, uniform water distribution, fine droplets that are easy on plants, low sensitivity to wind.

Lightweight and easy to fold to 3 metres width

With the new AS 50 NEO, BAUER offers its customers a modern, practical, easy-to-use boom cart solution. The design width of 50 metres enables a strip width of 72 metres. "The absolutely new feature brought to the market by our AS 50 NEO is that it can be folded up to a transport width of three metres, making it suitable for transport on the road," highlights Product Manager Patrick Dokter-Pucher. In addition, the side sections, which were previously made of steel, are now made of a combination of steel and aluminium, making the equipment even lighter.

Ready for use in a short time

The newly adapted dimensions of the construction elements, the lightweight construction of the side sections and the innovative folding mechanism ensure the ideal width for road transport and even easier handling. Escort vehicles on the road are unnecessary; the boom cart is quickly opened and ready for use. This saves valuable time and money when transporting the boom from one field to another.

Greater clearance height

A big advantage of the new AS 50 NEO is the clearance height of 1 m. This makes it ideal for crops grown by hilling such as potatoes or carrots. Another plus is the hydraulic height adjustment, a standard feature on the AS 50 NEO that is also used to raise it for folding.

Stays on track and saves energy

BAUER boom carts are known for their tracking accuracy - this of course also applies to the new AS 50 NEO. Another major advantage is the energy efficiency of the low-pressure spray nozzles with which the boom cart is equipped, which also determines the distribution accuracy. Most spray nozzles operate with a nozzle pressure of about 0.8 bar, far surpassing other systems in terms of energy consumption.

Extremely innovative end nozzle distributor

The new AS 50 NEO is ahead of all other booms on the market in that the brand-new “end of system” distribution device KPW (Komet Precision Wave) from Komet can be installed on both ends of the boom. The unique design of the KPW features an oscillating deflector to deliver exceptionally uniform droplet distribution. The more evenly the water is distributed, the greater the achievable yield!

For all Rainstar E models

The AS 50 NEO can be installed on all BAUER Rainstar models of the series E11 to E51 as well as the new series E100 – E600. Options such as the asymmetric 4-wheel carriage, the 360° swivel mechanism and the levelling function are naturally also available for the AS 50 NEO.



The new boom cart AS 50 NEO: lightweight and easy to fold to 3 metres width

The Bauer Group at a Glance

Since its foundation in 1930, the BAUER Group - headquarters in Voitsberg, Styria, has been focused on irrigation and slurry management technology. Whilst initially producing wastewater and slurry pumps, the company first became an international player in the sector of irrigation technology in 1947 with the patent-protected Bauer lever lock coupling - named after Rudolf Bauer, the company founder. Today the company is developing rapidly in the biotechnology sector with wastewater treatment & biogas plants and it is focusing on three main sectors: irrigation management, waste water management as well as energy management.

BAUER is the Global market leader in irrigation technology: A total of more than 2.5 million hectares is globally irrigated. A major part of sales representing 50% of the total turnover is achieved in the sectors of slurry and environmental waste processing. The BAUER Group exports to about 100 countries of the world. With approx. 890 employees, Bauer generated consolidated net proceeds of about 245 million Euros in the financial year 2022/23. With an export ratio of 90%, the main markets of the BAUER Group are Germany, France, the CEE countries, China, the USA, Australia and South America. In October 2016 a new plant in Brazil was put into operation.

The BAUER Group currently consists of 16 companies worldwide, including the well-known German labels BSA, Eckart and FAN.

Product Range

- *Various irrigation systems*
 - *Automated pivot and linear systems, i.e.: Centerstar, Centerliner, Linestar*
 - *Irrigation machines, i.e.: Rainstar, A3 or ProRain*

- *Traditional irrigation, i.e.: pipe systems and solid-set plants*
- *SmartRain – App for managing and optimizing irrigation systems*
- *Slurry transportation (slurry tanks)*
- *Innovative slurry treatment: mixers, pumps, separators, composting and distribution*
- *Pipes and fittings*
- *Wastewater treatment and separation technology for the food and paper industry*
- *Components for Biogas plants*
- *BRU Bedding Recovery Unit*

Internet Services

- *Configuration of all machines*
- *Ordering of all spare parts*

For further information see: www.bauer-at.com