

## Press release

Voitsberg/Schaufling/Hannover, November 2013

AGRITECHNICA 2013:

### **Driver Proposes – Steering System Disposes**

Forced steering system EHLA facilitates steering of slurry tanker

**Quick transfer of reaction with minimal steering pulse forces and flexibility between different tractors, these are the special features of the new active forced steering system EHLA of the Bavarian manufacturer of slurry technology, Eckart. Meeting the demands of an efficient slurry distribution, this system relieves the tractor driver and increases the productiveness.**

“The demands of today's owners of slurry tankers and of the contracting companies with regard to forced steering systems have increased considerably”, product manager Thomas Perlik explains the customers' requests. Starting out from their experience with the existing Eckart serial forced steering system, the technicians of this company which belongs to the Austrian Bauer Group, have designed an electro-hydraulic steering system working according to the principle of a closed control circuit. Thereby the angle between tractor and trailer is metered by means of an angle transmitter and it is transferred to the safety steering computer. Subsequently a series of calculations is made by the control unit in order to determine the optimum turning circle: depending on the vehicle's geometry and on the trailer's speed, every axle of the slurry tanker is controlled electronically to the ideal steering angle. Hydraulic steering cylinders on the axles ensure a precise transformation of the movement.

“The position of the steered axle is fed back by means of the angle transmitter, it is compared to the set value and actively steered”, Perlik gets into details. Optionally, steering can be intervened from the control terminal: thus manual steering or a super-imposed steering with bigger steering angle are possible. This additional function allows to counteract slope drifts or to steer against the turning radius given in case of narrow cornering.

Visit us at Agritechnica from November 10<sup>th</sup> to 16<sup>th</sup> hall 16 (slurry) – booth C 17!



Legend: Forced steering system EHLA from Eckart facilitates steering of slurry tanker

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<http://www.melzer-pr.com/newsroom.htm> -> on the right-hand side „Bauer Group“

***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 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 more than 90 countries of the world. With approx. 530 employees, Bauer made a turnover of about 167 million Euros in 2011/2012. With an export ratio of 90%, the main markets of the BAUER Group are Germany, France, the CEE countries, China, the USA, South-America and Australia.*

*The BAUER Group currently consists of 17 companies worldwide.*

**Product Range**

- *Various irrigation systems*
  - *Automated pivot and linear systems, i.e.: Centerstar, Centerliner, Linestar*
  - *Irrigation machines, i.e.: Rainstar, Duostar, Rainboy or ProRain*
  - *Traditional irrigation, i.e.: pipe systems and solid-set plants*
  
- *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](http://www.bauer-at.com) and [www.eckart-maschinenbau.de](http://www.eckart-maschinenbau.de)

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