



Press Release

EuroTier 2016: Vogelsang presents flexible and efficient pumps for the agricultural sector

High quality and minimal operating costs

Essen (Oldb.), October 10th, 2016 – At this year's **EuroTier (November 15th to 18th, 2016, in Hanover)** Hugo Vogelsang Maschinenbau GmbH will be presenting the pump innovations for the agricultural sector using the motto "Pumps for Life". At its agricultural booth in **Hall 27, Booth A37**, the focus will be on the VX series of rotary lobe pumps. "Quality pays off. That is what we stand for and we are continually developing our VX series of rotary lobe pumps to ensure that they are more flexible and easier to maintain and have a longer service life," explains Harald Vogelsang, Managing Director of the specialist provider for pump, shredding, distribution and spreading technology.

VX series: efficient filling technology for liquid manure tankers

The VX series is an optimal solution for liquid manure tankers. It is high-performing, self-priming, even from deep pits, insensitive to foreign matter, compact and low in weight. Technical innovations enable long durability, thereby significantly lowering operating costs. An outstanding example of such innovation is our patented InjectionSystem. This integrated system ensures foreign matter is injected directly into the pump chamber and therefore preventing lobe tips collisions. Experience in the field has demonstrated durability can be increased by up to 2.5 times. At the same time, the housing geometry enables better sealing of the lobes to the pump housing. Due to these benefits, the InjectionSystem has proven its worth in the market and is used in serial production today by reputed tanker manufacturers.

Low maintenance and assembly

The pump housing is clad with radial and axial protective plates made from extra hardened special steel, which also contributes to increased durability and ease of maintenance of Vogelsang rotary lobe pumps. All rotary lobe pumps in the VX series are also equipped with the Quality Cartridge mechanical seal. This patented technology encloses all sealing components and enables the seal to be replaced in a single working step. This significantly reduces maintenance work and any risk of assembly faults. An optional repair set is also available for this sealing system. The pulsation-free HiFlo® lobes can be replaced easily and restore the delivery capacity to 100 percent following replacement.

**One pump with different drive types**

The Universal Drive System (UDS) enables the same Vogelsang rotary lobe pump to be equipped with different drive types depending on the type of application.

Combined with a shaft and drive adapter, the VX series can be equipped flexibly and operated with hydraulic and geared motors as well as the classic cardan shaft or three-speed manual gearbox depending on the application. This is a concept that eases the management of spare parts and increases flexibility.

Controllable flow rate for precision spreading

The rotary lobe principle is ideal for precise spreading across the entire working width and length due to its speed dependent delivery volume. Vogelsang offers two new variants of the speed sensor in order to control the VX series, which are integrated compactly and robustly into the housings. Screwed directly into the gearbox, the sensor measures the speed and is independent of the drive type. Connected with the UDS, the speed sensor is installed in the drive adaptor and measures the speed on the adapter toothing. Based on these measurements, the flow rate is then calculated so that the desired spreading capacity can be precisely regulated.

Vogelsang at EuroTier, November 15th to 18th, 2016, Hanover Exhibition Centre:

Products for the Agricultural Sector: **Hall 27, Booth A37**

Products for the Biogas Sector: **Hall 25, Booth E18**

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About Vogelsang:

Hugo Vogelsang Maschinenbau GmbH is an internationally active plant engineering company based in Essen/Oldenburg, Lower Saxony, Germany. The company was founded in 1929, and grew from being a manufacturer of agricultural machinery into a specialist for pump, shredding, distribution and spreading technology for the agricultural and biogas sector, industry and local authorities. Today, Vogelsang's main areas of business alongside agriculture are biogas and waste water technology as well as vacuum disposal technology. Vogelsang currently employs around 700 employees worldwide. The corporate group includes over 20 branch offices, subsidiaries and sales offices as well as two production locations in Germany. Due to its global network of dealers the company is able to export its products to all European countries and important industrial nations worldwide. For more information: www.vogelsang-gmbh.com



Images (Source for all images: Vogelsang):



Image 1: Collage: Universal Drive System (UDS) with the drive types 3-speed gearbox, the device for the cardan shaft and hydraulic motor (left to right)



Image 2: Exploded drawing of Universal Drive System (UDS)

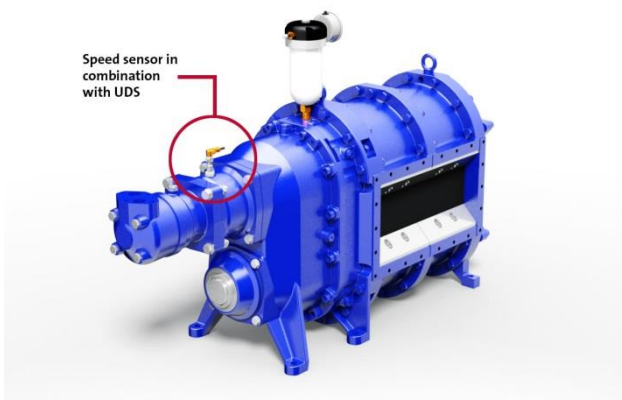


Image 3: Speed sensor in drive adapter

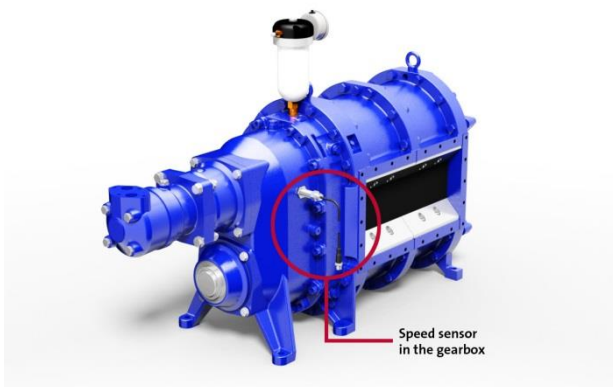


Image 4: Speed sensor screwed directly into the gearbox