

Press Release

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Sauer Bibus produces more speed ICVD makes hydrostatically driven vehicles up to 80 km/h

Sauer Bibus has set a new standard for hydrostatic drives with the development and configuration of the ICVD drive. ICVD stands for "Integrated Continuously Variable Drive", which facilitates drive speeds up to 80 km/h thanks to large-angle technology in the drive motor. Thus, the drive is an interesting alternative, both economically and technically, particularly for machines that are used in the high-speed range. The ICVD drive is now standard equipment for leading construction equipment manufacturers.

The success of the special drive is based on its large-angle technology. A hydraulic motor with an adjustable range of up to 45 ° is used here. This means that you can run through the entire speed range continuously. This technology means that machines that are especially used at higher speeds can do without a manual gearbox. For the operating personnel this means a clear gain in convenience and safety, as the driver can concentrate fully on driving his machine and does not have to focus on switching operations. The drive concept scores due to its cost-effectiveness, which is based on improved efficiency in the traction drive. Fuel consumption has also been positively influenced in addition to the wear on the drive system.

The ICVD is already being used as drive technology by manufacturers of large construction and agricultural machinery. "Thus, our drive concept has also made the leap into international use", commented Ralf Schrempp, Managing Director of SAUER BIBUS GmbH, on the success of his company with the ICVD. The technology from the Neu-Ulm hydraulic specialists is being used in a broader and broader range of applications.

Kramer Allrad is achieving more speed in its 80s range thanks to the ICVD drive from Sauer Bibus, under the designation "Ecospeed Fast Gear Drives". Norbert Mingau, Product Manager at Kramer-Werke GmbH, Pfullendorf, explains: "We are already offering the Ecospeed Fast Gear Drives, based on the ICVD technology from Sauer Bibus, for our 80s wheel loaders from model 380. In addition to improved operating comfort, Kramer customers also get the joy of using a wheel loader with trailer attachment as a fully-fledged tractor truck, which also has the EC tractor permit for use of public roads."

Sennebogen uses the ICVD drive from Sauer Bibus for its Multiloader 310. We achieve a clear improvement when using the ICVD in our multiloader, particularly due to improved drive features. Thus, we can offer our customers additional benefits, which gives us a competitive advantage", says Udo Thiess, Project Leader Multiloader, at SENNEBOGEN Maschinenfabrik GmbH, Straubing, on use of the high speed drive.

The ICVD drive from Sauer Bibus is also offered by the Italian telescopic handler manufacturer DIECI in its machines under the name "VS", which stands for "Vario System".

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Ralf Schrempp is convinced that the success will continue for SAUER BIBUS, as the concept of the ICVD is designed for the future. There will be more and more machines with hydrostatic drive, for which the drive speed will play a decisive role for cost-effective use. The Neu-Ulm hydraulic specialist sees itself as best equipped to give technological support for the development of modern and efficient machines with powerful drive systems, as an expert partner for construction and agricultural machine manufacturers.

Photos

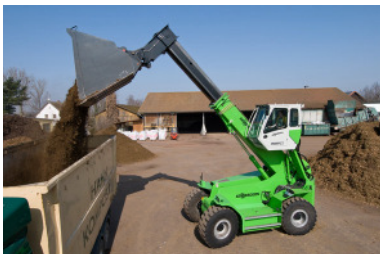


Picture 1 - ICVD drive with large-angle technology. The large adjusting range up to 45 ° allows continuous drive regulation up to a speed of 80 km/h.



Picture 2 – Kramer photo

A Kramer wheel loader can be used as a fully-fledged tractor truck with road permit with the Ecospeed Fast Gear Drive.



Picture 3 – Sennebogen photo Multiloader 310

The Multiloader from Sennebogen with ICVD drive technology from Sauer Bibus.

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Picture 4 – DIECI photo

The Italian telescopic handler manufacturer DIECI also relies on the ICVD technology of SAUER BIBUS. The vehicles are equipped with this drive technology under its "VS" label, which stands for "Vario System".

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More on SAUER BIBUS

SAUER BIBUS GmbH with headquarters in Bavarian Neu-Ulm, develops innovative solutions for complete hydraulic systems for static industrial plant and for mobile use. The company has developed from a retail company for hydraulic components into a full-service supplier. Thanks to in-house product development, SAUER BIBUS can offer tailor-made customer solutions, which offer a high level of efficiency and profitability. In addition to development and sales, the hydraulic specialist offers professional servicing and repairs at its Neu-Ulm site.