

New: infinitely digging with VarioDrive

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VarioDrive is a power branching drive for the potato harvester, which allow infinitely adaption of the manual driven main webs to the changing digging conditions and allows reversing by the push of a button if blocking of the crop flow occurs.

Traditional systems are either mechanically or hydraulically driven. The advantages of the mechanical drive are the high effectiveness, energy efficiency and less expensive. Hydraulic drives have the advantage of infinitely adjustments and reversing as well as a higher operator comfort. One advantage is the other' drawback. For the first time the VarioDrive for Grimme trailed harvesters have the advantages of both systems and eliminate the disadvantages.

The VarioDrive consists of a epicyclic gearbox with integrated hydraulic motor and has more less the same size as the conventional mechanical drive. Compared to the hydraulic systems the VarioDrive has a 20 % higher efficiency, which reduces the fuel consumption by 1 litre per hour. The price for the VarioDrive is less as for a full hydraulic drive.

This innovation was successfully field tested by Grimme and will be presented at the Agritechnica show.

Source: GRIMME Landmaschinenfabrik GmbH & Co. KG