

## *Press release 07-06*

### **New STOLL front-end loader with „Z-kinematics“**

Lengede, September 2007

Wilhelm Stoll Maschinenfabrik GmbH presents for the first time on Agritechnica 2007 the next generation of frontend loaders ROBUST FZ. A typical recognition feature of this new series with mechanical parallel linkage is the new position of the control rods - the so-called „Z-kinematics“

With this innovative technology the control rods, which normally are laid above the loader arm, are now located inside the rear loader arm..

So, the control rods are not hindering anymore the visibility to the front, the sight to the implement and the loaded goods is not obstructed anymore.

A further advantage is that the loader – without overhead control rods – now can be moved closer to the tractor.

The subframes of the loader can now be placed closer to the centroid of the tractor which releases the front axle of the tractor on the one hand and on the other hand which enables that the windscreen can be opened. This is often not possible with overhead control rods.

Also with this new generation ROBUST FZ the „F“ stands for fine grain steel - a name which has a tradition at STOLL for many years with the high quality steel used which allows a weight saving construction of the beams which also releases the front axle of the tractor.

The hydraulic pipes are now located underneath the loader arms (before: on the inside of the arm). This also increases the visibility to the front. With this STOLL solution, service and repair of the hydraulic pipes is possible without major efforts. Also on the sector of the hydraulic operation STOLL has innovative solutions which increase the performance and comfort considerably, such as pooring of the implement.

In practical use, this means that a bucket which is filled, will not only go up in parallel, but by pressing a button additionally the function „pooring“ will be activated.

With this function, the bucket can be filled entirely and losses during transport will be reduced.

The quick-dump function of the bucket can also be activated by pressing a button.

The engineers from STOLL succeeded in integrating the function pooring and quick-dump with a parallel-guided loader.

This was up to now only possible for a loader with hydraulic parallel linkage and therefore it represents a technical innovation. Now emptying of the implement is possible at the same time of lifting the loader.

With this improvement also the parking supports have been increased, now the parking support can be used without much effort.

STOLL has intentionally introduced the new generation of ROBUST FZ on Agritechnica to present this to the wide public.

The new range comprises different sizes related to the size of the tractors:

4/5/8/10/20/30/40/50/60 and 80 , from 20 up, also available a wide lifting arm.

For the first, STOLL concentrates on the introduction of the big and middle-sized models and in the second step the smaller models in the course of next year.

This new series ROBUST FZ will be presented in a completely new design.

Stoll will now drop out of the traditional combination of black and yellow and will introduce an improved harmonisation of the appearance of tractor and frontend loader by using a combination of anthracite for the loader and the implements as well as an exclusive metall-look of the hydraulic cylinder.

Furthermore, every customer can get the STOLL frontend loader in the individual color of his tractor.

All news from STOLL can be admired in hall 6, booth E 24

STOLL does not only aspire a consolidation with the introduction of the new series, but has an ambition to increase activities to achieve a bigger market share in the export.



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