

New Quantum options: Row crop header and seed grinder.

The Quantum is the new plot combine in the mid-range performance segment developed by WINTERSTEIGER to meet the increasingly demanding challenges of state-of-the-art field research, from nursery to yield trial plots. Featuring a modular design, the Quantum comes with many innovative solutions, such as the row crop header and the seed grinder.

- The row crop header for harvesting 2 row soybean plots has been developed using John Deere components. Low cutting height, stepless adjustable feed speed, floating row units are some of the important features in the newly developed header.
- The new seed grinder efficiently grinds seeds from canola to corn without the need to change components.



Row crop header.

The Quantum row crop header is the result of development based on user experiences. The flat angle of the picking elements and the conveyor belt ensure the careful intake of crops, a low cutting height, and optimum feed. The stone trap prevents the intake of foreign objects. The overall design of the header provides for crop purity with minimal grain loss.

Thanks to its modular design, the row crop header can be perfectly adapted to your needs and the respective soil conditions. The row units are hung flexibly (floating), but can also be fixed in place. Sturdy, height-adjustable or rotating skids are available for the smallest cutting heights, as well as side carrying wheels. The most essential spare and wearing parts are tried-and-tested „made in USA“ components. Spacing between rows: 76 cm (30“); other row spacing intervals are available on request.

Performance features:

- The modular concept (fixed and floating) means that all design variants (fixed/floating, with carrying wheels/skids) can be covered with one module
- The system adapts perfectly to the soil conditions and any irregularities in the terrain, and boasts a low cutting height (from 2“)
- Essential „made in USA“ spare and wearing parts (original John Deere or JD-OEM)
- Easy change of header
- The feed speed, reversing the feeder elements, folding crop divider, etc. can be adjusted from the cab whilst on the move



Seed grinder.

The grinder on the Quantum has been tailored to the Quantum's high performance levels. It is positioned at the rear, above the straw hood and straw chopper. The core components of the grinder are tried-and-tested industrial components, which have been put to the test on numerous occasions and have proven their reliability. The housing consists of milled precision components. The V-shaped, toothed cracker rollers run at various speeds and boast high efficiency and effectiveness. They are hardened and designed for long-term use.

The spacing between the grinding rollers can be adjusted continuously and precisely, meaning that all common crops – from conola and cereals to soybeans and corn – can be processed using the same rollers. The correct roller gap is monitored by the control system and dosed feeding of the grinder prevents blockages. Should a foreign body penetrate the system, the rollers are protected by a spring-loaded overload safeguard. A magnetic separator for metal parts is also integrated in the system. The chaff spreader situated downstream (with adjustable distribution range) spreads the ground material.

The grinder can be easily switched on and off manually and simply swung to one side for easy access to the engine. The Quantum with grinder can be supplied as a version for simultaneous operation of the grinder and straw chopper or as a version without a straw chopper.



Performance features:

- Proven, efficient grinding roller system that has been tried and tested in industrial applications, with a precision design and long service life
- Can be used for all cultures without the need for conversion due to adjustable spacing of the rollers
- Corn grinding rate of over 99 %
- Monitored roller spacing
- Integrated chaff spreader