

Bushel Plus launches a revolutionary modular design for faster crop changeovers, cleaner grain, and improved harvest efficiency

08 January 2026 | News

X9 Split Frame MAD Concaves for John Deere X9 Series



X9 Split Frame MAD Concaves for John Deere X9 Series

Bushel Plus Ltd., the global leader in harvest optimization technology, announced the launch of its new X9 Split Frame MAD Concaves, purpose-built for John Deere X9 Series Combines. Designed to maximize throughput, reduce dockage, and simplify crop transitions, this modular concave system sets a new standard for combine performance and operator safety.

Faster Crop Changeovers

The Bushel Plus X9 Split Frame MAD Concaves feature a modular design that replaces traditional concaves that require full removal during crop changes. The system utilizes a structural split framework that remains securely installed in the combine, with lightweight interchangeable inserts that slide in and lock into place.

“Think of it as a base frame that stays in the machine, while smaller concave inserts tailored for wheat, barley, corn, or soybeans can be swapped quickly and easily,” says Marcel Krings, Founder and CEO of Bushel Plus. “Each insert fits precisely into the fixed split frame, maintaining correct spacing and alignment for optimal threshing and separation.”

For farmers who switch concaves between crops - such as small grains and corn - the system reduces changeover time from hours to approximately 15 minutes, eliminating the need to re-level concaves. This saves time, reduces operator fatigue, and minimizes the risk of injury in the field and workshop.

Optimized Threshing for Cleaner Grain

Engineered for precision threshing, the X9 Split Frame MAD Concaves deliver cleaner samples and stronger returns by minimizing cracked kernels and reducing foreign material. Gentle yet aggressive separation preserves kernel integrity,

improving storage quality and market value - while enhancing combine performance at higher harvesting speeds.

“Field testing across North America shows the X9 Split Frame MAD Concaves consistently deliver lower losses and cleaner samples, no matter the crop or conditions,” says Kringe. “Farmers can harvest faster, maintain grain quality, and reduce fuel costs - improving both efficiency and profitability.”

Constructed from AR-200 abrasion-resistant steel, these concaves provide long-lasting durability and consistent performance across a wide range of crops and harvest conditions.

Works with Classic MAD Concave Models

While the X9 Split Frame MAD Concaves offer enhanced modularity and ease of use, they are specifically engineered to complement the Classic X9 MAD Concave models.

For best results, Bushel Plus recommends transitioning to the split frame designs in the positions most frequently adjusted for specific crop types. This ensures consistent threshing quality while allowing farmers to take full advantage of the modular system’s flexibility. It also protects previous investments.

Farmers can mix and match the original MAD design with the new split frame models, placing the modular concaves where quick changes are most beneficial. This flexible approach supports a smooth transition while maintaining proven performance.

According to Kringe, the X9 Split Frame MAD Concaves are especially valuable for farmers who prioritize top-tier grain quality - such as seed producers - where consistent threshing and minimal grain damage are critical. The modular design enables precise configuration and rapid adjustments to maintain crop integrity across changing harvest conditions.