50 Series Cornheads

Make every kernel count
**Oxbo maximizes seed corn field recovery**

Oxbo’s 50 Series is the third generation of this innovative corn-head family that harvests more corn at higher quality than any others on the market. Its advanced design and exclusive Soft Touch™ technology provide a system that utilizes hydraulically operated beveled stripper plates, uniquely designed sharpened knife rolls and deep lugged rubber belts for gentle handling, significantly reduced butt shelling and industry-leading field recovery. Custom seed harvesters and seed growers achieve greater returns when harvesting with Oxbo 50 Series cornheads.

**The new Oxbo 50 Series cornhead is “easy on the ears”**

The new 50 Series cornhead is specifically designed for high productivity harvesting in any condition you might encounter, even down corn and low ears. Most conventional cornheads literally tear the ears from the stalk, losing kernels every step of the way. The Oxbo 50 Series cuts the ear off cleanly, reducing header loss. The difference is better grain recovery on every acre.

**Oxbo cornheads deliver cleaner loads to the plant**

Soft Touch technology significantly reduces the amount of trash going through the plant. Centered beveled stripper plates provide a straight pull-down of the stalks without whipping as Oxbo’s exclusive 6-bladed tapered intermeshing knife rolls cut the ears cleanly from the stalks, leaving the trash in the field rather than in your load. Some plants are processing seed 50% faster with loads harvested using Oxbo cornheads when compared to loads harvested by conventional cornheads.

**Independent seed harvest recovery testing shows Oxbo’s value to the seed industry**

Oxbo’s Soft Touch technology has been proven in the seed corn industry. A survey of multiple sites during the 2008 and 2009 harvest seasons in Nebraska, Iowa, Illinois, Wisconsin, Michigan and Indiana by Dr. J.S. Burris of Burris Consulting LLC, Ames, Iowa demonstrated significant gains in seed recovery with the Oxbo 50 Series cornheads compared to competitive models. To determine field loss in the study, seed and ear losses were gathered from measured quadrants after the harvester had made its pass.

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**Header Comparison 2008 & 2009 Harvests**

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Conducted by Dr. J.S. Burris Consulting, LLC
Knife rolls
Oxbo knife rolls offer many benefits that enable producers to improve harvesting capabilities. Several design elements offer performance standards that other brands cannot imitate. Made of hardened, chromed steel, their long 24" length, and smaller 3-1/2" diameter slows stalk acceleration into the stripper plates, dramatically reducing ear impact and butt shelling. Six sharpened, intermeshing blades remove ears by cutting the shank (an Oxbo exclusive), not blasting the ears against the stripper plates as with other brands of cornheads.

Sharpened, chrome plated, intermeshing knife roll blades cut and crimp stalks for faster deterioration and improved minimum tillage practices.

Hydraulically adjusted beveled stripper plates
A patented Oxbo exclusive: beveled stripper plates remain centered over the knife rolls promoting straight-down stalk flow, gentle ear removal, and less plugging. Combined with Oxbo’s unique knife rolls, these stripper plates create a small triangular space between the knife rolls and stripper plates (see photo below). This design feature is key to cutting the ear off the stalk cleanly, resulting in less trash and reduced ear damage. These stripper plates are hard chrome plated for long life and improved wear. They have been integral to Oxbo cornheads since 1982.

Sharpened, chrome plated, intermeshing knife roll blades cut and crimp stalks for faster deterioration and improved minimum tillage practices.

Gathering belts or chains
The gathering belts on the Oxbo 50 Series are an industry exclusive and have been utilized on Oxbo cornheads for decades. Made of durable rubber, these deep-lugged belts are the gentlest solution for harvesting even the most fragile and valuable corn varieties. They reduce ear shelling, convey more efficiently and operate quieter. Results include reduced header loss, improved operation and lower maintenance. As an alternative, these cornheads can be equipped with gathering chains.

Oxbo’s exclusive system results in higher corn recovery, less trash and efficient material flow in all conditions.

Rugged gearbox durability
Oxbo gearboxes have been developed over the years to stand up to highly demanding harvest conditions. Featuring a one-piece aluminum housing and strong hardened gearsets, these workhorses deliver unmatched reliability and durability. Hardened steel knife roll shafts with multiple seals and anti-wrapping design results in reduced wear. Each gearbox is protected by radial pin clutches. Constant lubrication to each gearbox is provided via the auto-lubrication system. There is no need to crawl under the cornhead for routine maintenance.
Auger and auger trough
Corn is conveyed to the feederhouse via a massive 16” auger featuring 18” pitch flighting with a thickened outer edge on a 5” diameter heavy-wall tube. The augers have two inches of vertical adjustment, so the cornhead can be set to each operator’s clearance preference. Oxbo pioneered the development of deep, concentric auger trough design which utilizes gravity to promptly move the ears away from the gathering elements of the row unit.

Auto lube system
All 50 Series cornheads come standard with an auto lubrication system to minimize daily maintenance and improve durability and long term reliability. Even with the largest cornheads, there are only two manually serviced lubrication points.

Unique row unit frame
The 50 Series row unit is effective in harvesting down corn and low ears. The design is shortened and narrowed in the nose area. It allows more accurate stalk engagement below the ear to promote a more upright ear approach to the stripper plate and elimination of stalk whipping.

Poly snouts and row dividers
Polyethylene snouts and row dividers provide smooth, efficient stalk gathering, and the pronounced rounded Oxbo design reduces wear, ear bounce, plus weed and trash buildup. The benefit is less crop loss and less maintenance.

Photo above shows the residue management capability of the Oxbo cornhead design. There are no standing stalks and very uniform conditioning.