



Value added by *Silentium Drive*

- multiple longevity in comparison with steel roller chain
- increased conveying speed and capacity
- minimal chain wear
- minimal wear on drive wheel and return rollers
- little maintenance required
- permanent inherent belt tension by rubber-fabric material
- hardly any re-tensioning required
- highest reliability
- avoids field break-downs
- gentle on driver & environment due to low noise emissions
- unprecedented ease of use
- **LOWEST COST PER ACRE OVER CHAIN LIFE!**



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Silentium Drive

**The silent innovation for combines
increasing capacity and driver's comfort**

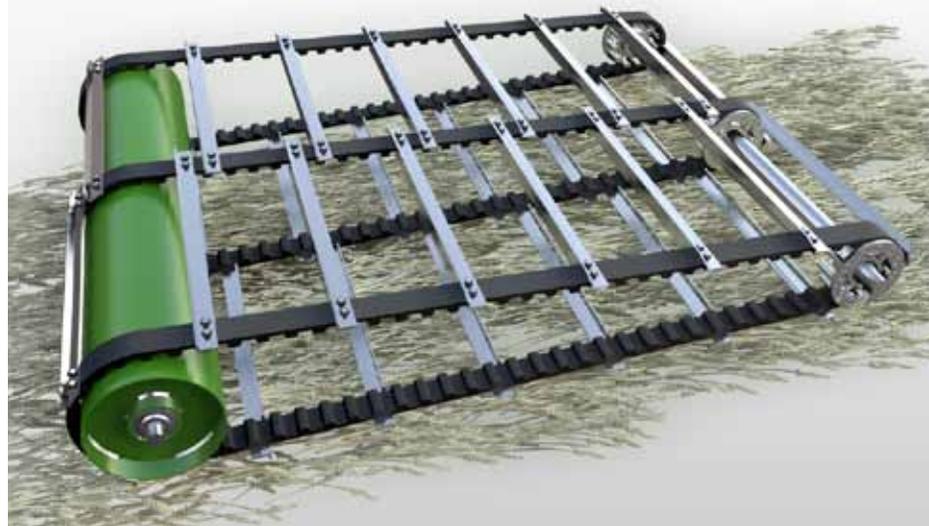
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Silentium Drive Concept

- The *Silentium Drive* is based on a rubber-fabric traction belting with parabolic cams that replaces the steel roller chain
- The cam-belting can be supplied either in a truly endless wrapped loop or with overlapping ends with a special connection method
- The mounting bolts for the cross bars are vulcanized into the cam-belting for an optimal connection between belt and cross bar
- In the heart of *Silentium Drive* the Broekema N-type drive wheel intermeshes with the cams of the belting
- The return end of the conveyor is realized by a continuous roller across the full width of the belt or single return wheels per belting
- Combines of any major brand can be converted from steel roller chain to *Silentium Drive* with little effort paying for itself quickly. Only few components need to be either replaced or modified



Feeder Housings for Combines

In conventional feeder housing a steel roller chain with cross bars accelerates the crop material to high velocity and conveys it into the threshing area. The design of this steel roller chain practically hasn't changed over decades. The cross bars hitting the box sheet metal construction of the feeder housing create a tremendous noise

For an efficient operation constant care, monitoring and adjustments of the chain are required by the operator. Otherwise unplanned downtime and costly field break downs will occur.

The inflexible all steel chain and its drive components wear quickly, inevitably and excessively. Therefore the useful life of the current systems is very limited. Maintenance costs are high.



Silentium Drive Characteristics

- very smooth conveying action
- ultra-high dynamic strength traction belting with parabolic cams
- high elasticity when large foreign objects are sucked in
- low noise level due to elimination of metal to metal contacts of moving parts
- main noise source under the driver's cabin eliminated
- increased driver's comfort

Over several years *Silentium Drive* was professionally developed and thoroughly tested by Broekema - the specialist rubber and crop conveyor company with decades of experience in the agricultural machine industry.