

Maximum Yield Retention



NorthStar
— ELITE XL —

GERINGHOFF

ELITE XL
— SERIES —

GERINGHOFF

Harvest Redefined.

How We Grow.

Year after year we continue to make improvements to our product to keep up with the growing industry.

At Geringhoff, we know that harvest demands more from your equipment today than it has in the past.

You farm bigger, go faster, work harder and grow higher yields than ever before. When it comes to harvesting corn, is your corn head keeping up with your production goals?

Most corn heads available today were designed to run in 150-180 bushel corn standing tall and at a perfect moisture level, what many hope to see during a typical harvest.

In just the past few years alone however, production has surged to record levels. New breeds of corn, new planting configurations, varied nutrient inputs and a changing climate have created crops with different characteristics.

The pursuit of a 250+ bushel harvest has become a reality on many farms, but recovering it from the field effectively presents a challenge. In other regions farmers are raising corn for the first time and their 130 bushel crop is dry and brittle which presents entirely different demands.

Occasionally windstorms have flattened and tangled thousands of acres at a time. Seed companies offer various traits with superior stress resistance but that often comes with stubborn stalks seemingly tougher than mild steel. Growers in the deep south have entirely different challenges than those in the northern corn belt. At Geringhoff, we're focused on improving the harvest at all extremes and anywhere in the middle.

The Elite XL represents our latest upgrade to address the ever-changing challenges of the North American corn harvest. We've made design and component changes that provided consistently exceptional results during intense testing over the last few harvest seasons.

The Elite XL is designed to maximize the performance in traditional and the most challenging field conditions and will improve the performance of all combines. You'll be prepared for record yields or to work effectively in the most challenging conditions you've ever experienced.

At Geringhoff, we're committed to help overcome the challenges of harvesting. We're committed to our farming partners and will work with you to improve our machines at every opportunity.



*Optional
equipment shown

Built Upon an Exceptional Foundation

Success must be built upon a solid foundation. The Geringhoff Elite XL Series was created upon the form and function of an advanced aircraft. Durability and flow were forged alongside the concepts of lighter weight and superior longevity. The Elite XL Series offers an exceptionally smooth and quiet running system, despite its fierce appetite during harvest.



**Optional equipment shown*



Integrated Crop Flow System

The Elite XL series features Geringhoff's Integrated Crop Flow System. Six standard features work together along with two optional features to create the ideal environment for optimal crop flow and maximum yield potential. With the ICF System in place, changing field conditions won't stop you from bringing in your crop on your terms.



**Optional equipment shown*

NORTHSTAR TECHNOLOGY

Efficient. Adaptable. Dependable.
Geringhoff heads are the finest available.

Geringhoff works closely with growers across North America to develop the most efficient, and reliable systems to harvest their crop. Our engineers incorporated only the finest components when designing the NorthStar model. Tremendously high resale value and industry exclusive features make NorthStar the #1 choice among growers.





Superior Performance

Setting a New Standard

The NorthStar Elite XL sets the standard for corn headers. Developed with typical North American crops or super high yielding varieties of corn in mind, the NorthStar Elite XL offers a cost efficient and reliable solution, perfectly matched to your combine.



FUNCTION

Design

Geringhoff sets the bar by creating a high performance machine, that has a low horsepower demand. The design concept of the NorthStar is unique and considered to be the most advanced in the industry.

Don't leave yield in the field. The NorthStar has been engineered to provide exceptional performance in the most adverse conditions such as downed corn and tough BT corn stalks.

Featuring a low profile design, large diameter lower sprockets on the gathering chains, hydraulic stripper plates, and long flat divider points, the NorthStar Elite XL provides outstanding crop retrieval and a smooth passage of the plant, eliminating crop loss and putting more bushels in your bin.

1 Poly Return Sprocket

- High density lightweight design
- Reduces wear on gathering chain
- Increased diameter for greater exposure to crop
- Efficient gear ratio to bottom drive sprocket
- Exceptional picking characteristics

2 Automatic Chain Tensioner

- Eliminates excessive chain wear
- Chain tension regulated automatically
- Automatic compression resists chain damage from foreign objects
- No screws to adjust

3 Beveled Drive Sprocket

- One of three components of the gathering chain slip clutch
- Extends chain life by allowing free movement when obstructed
- Works in conjunction with the automatic chain tensioner and internal gearbox slip clutch
- Proven by over 20 years of use

4 Gathering Chains

- Heaviest gathering chain on the market
- Unique posi-loc lug design effectively gathers stalk
- Exceptional functionality and durability

Low Profile

The heart of the NorthStar Elite XL header is two stripping rollers equipped with four stalk knives each. Durable knives manufactured from special alloy steel maintain a sharp edge for extra long life and can quickly be adjusted individually to ensure optimum performance.

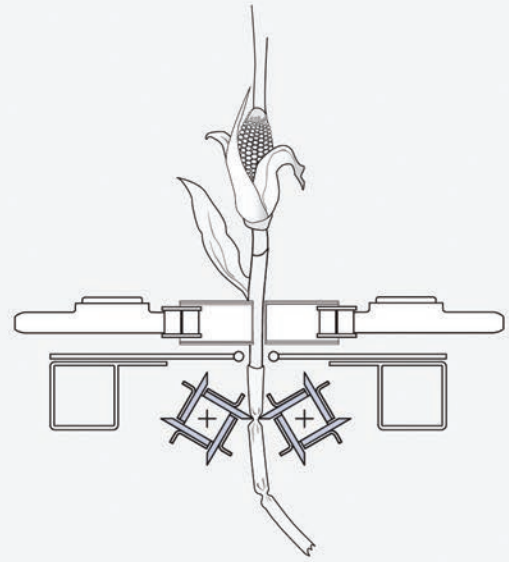
Mounted to run parallel to each other, the knives pull stalks through quickly and evenly for consistent feeding. Hydraulically adjustable stripping plates allow the operator to maximize their return with on the go adjustment for changing stalk characteristics and harvest conditions.



Top View

How it Works

The knives run parallel to each other, pulling the stalks through quickly and evenly for consistent feeding. This arrangement slices through 98% of the stalk, leaving a quickly deteriorated plant behind.



Bottom View

5

Hardened Spiral Rolls

- Aggressive design pulls stalks in from any angle

6

Parallel Knife Rolls

- Minimal tolerance creates an aggressive crimping action that cuts through 98% of the stalk
- Adjustable and replaceable working edges to minimize repair cost and time

7

Single Component Design

- The only row unit without a frame
- All components are secured around the gearbox
- Excellent access for service

8

Hydraulic Deck Plates

- Regulated at any time from the operators seat
- Fewer moving parts
- Easy to clean and low maintenance
- No freezing in cold weather
- In cab digital monitor indicates the shaft speed and stripper plate positioning
- Design and additional wear edges minimize kernel loss
- Wide mouth and rounded stripping edges minimize crop damage
- On the go adjustment to maintain optimum performance while minimizing cob loss further increasing your yields

9

Vine Knife

- Prevents wrapping of tough material
- Minimizes excessive wear and damage to other components

10

Additional Working Edges

- Low roller tolerance strips the ears very close to the stalk. In dry conditions, keeps less trash in the combine and more to the ground
- Minimizes wear for knife roll edges

11

Aluminum Gearbox

- "Bullet proof" reliability
- Design proven by over a decade of use
- Protection and drive on every row unit
- Lightweight
- Internal slip clutch
- Minimal maintenance (500 hour oil change)

INTEGRATED CROP FLOW SYSTEM

Six standard features work together with two optional features to create the ideal environment for optimal crop flow and maximum yield potential. Choose all six for the ultimate harvest experience.



Standard ICF Features



Max Flow Trough Efficient Crop Flow

Advanced genetics and yield increases have created new demands on the header's crop flow and capacity characteristics. Reducing cob bounce and shatter, as well as efficiently moving trash, are the achievements of the Elite XL Series massive auger trough.



Variable Auger Positioning Adjustable for Different Conditions

Conditions can differ from field to field, or from morning to night. The ICF auger height adjustment permits easy modification of the auger profile to the trough. You have the power to adapt your machine to your conditions.



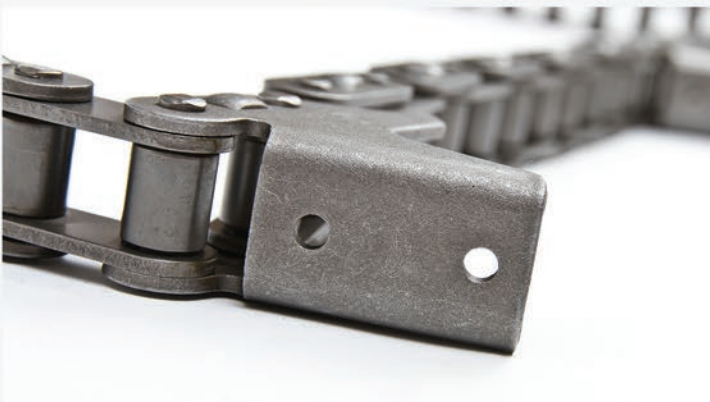
Roller Chains Tough and Reliable

Aggressive yet gentle feeding, Geringhoff offers the industry's toughest gathering chains. Nine posi-loc lugs create an efficient and durable transfer of the crop from field to stripper plate. Tremendous reliability and unrivaled performance acre after acre.



Auger Pitch Gentle Yet Aggressive for Perfect Flow

Elite XL headers offer a swift and efficient transfer of your crop. The varied pitch of the fins gently moves your yield along the outer wings, then increases flow as material advances towards the feeder house. The auger's balanced combination of pitch, paddle, size, and speed reduces fluff build up, maximizes your yield and reduces operator fatigue.





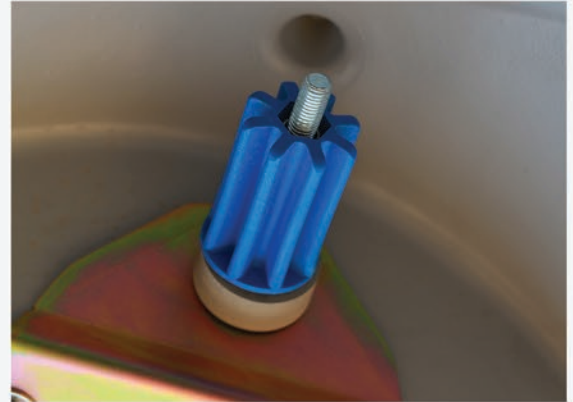
Adjustable Deck Plates One Touch Adjustments

The Elite XL operator has full control over the positioning of the ICF System deck plates. Controlled from within the cab, the deck plate monitor advises current gap settings and allows one touch adjustment on the go. Proven reliability in the toughest conditions over tens of thousands of acres, year after year.



Poly Angle Adjustment Easily Adjustable Snouts

Geringhoff's poly angle can be easily adapted to your specific needs. Fine tune the angle of your snouts to match crop conditions. Simply turn the adjustment knob to achieve infinitely variable adjustments without the need for tools.



Optional ICF Features



Sweeper Power Through Down Corn

Rely on the ICF Sweeper to power you through even the toughest conditions when all others have come to a halt. Substantially increase speeds and yield in any condition and reduce your combine hours up to 50%. An integrated design offers a clean, sleek appearance with convenient fore/aft and up/down adjustments at the touch of a button. Detaches quickly if you prefer but you'll learn that an ICF Sweeper is the future of corn harvest.



End Row Augers Enhance Feeding

Proven to enhance feeding and be more efficient than any end row shield, the optional Elite XL End Row Augers create confidence in any tough or tall crop conditions. In-cab control reduces crop loss as well as bunching and lodging.



Maximum Yield Retention.



Integrated Crop Flow System

Working Together to Provide a Superior Harvest Experience

Pictured is a NorthStar 16 row 30" with the complete ICF System including the optional ICF Sweeper and End Row Augers. Select all the available options for the ultimate harvest experience.



The Quest for *The Perfect Harvest*



Bigger. Faster. Stronger.

As the world demands more food we need to become more productive.

Bigger, faster, and stronger, that's the nature of today's farming industry. North American farmers accept the challenge to satisfy an increasing world demand for food and grain crops to produce things like ethanol or cattle feed. We need to produce more without increasing the land devoted to farming but recognize the biggest impact on our yields has always been the climate we experience throughout the growing season. Beyond that, the farmer is in control and must consider aspects such as; nitrogen application, seed hybrids, crop rotation, plant population, harvesting equipment, tillage practices and growth regulators. At Geringhoff we specialize in engineering, manufacturing and supporting the finest harvest headers

available and we join the worlds most progressive farmers in the pursuit of higher yields. We ride alongside industry visionaries and listen to their suggestions while making a close inspection of the complete process.

We've invested decades of research and strive to create the best. The Elite XL Series represents the finest harvesting headers available today. The Elite XL performs exceptionally well in traditional crops and offers unequalled performance in high yielding crops. Even more important is the Elite XL's ability to make the most out of significantly challenged fields as those are often the most critical and frustrating times. Geringhoff offers a system to

maximize the potential of any field and will maintain its reputation for quality as it efficiently harvests your crop.

Check out Geringhoff.com for more information, or talk to your dealer today.

What steps have you taken to increase your yields? Email us and let us know at info@geringhoff.com or log on to our Facebook page and share your story with us. You might just end up in the Geringhoff Experience magazine.

ADDITIONAL FEATURES

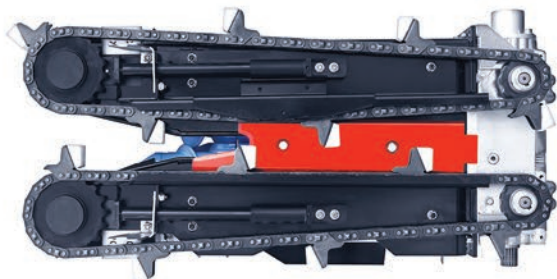
Headsight Leveling System

Precise header height control over all types of terrain. At the heart of the Headsight header height control system are flexible poly paddles and reliable electronics. Other systems will dig into the soil and damage the system when in reverse, but not Headsight. Its design is operator friendly and has been used reliably for decades.



Sunflower Adaptor

The sunflower adaptor allows the Rota Disc to be used for sunflower harvest. This is easily mounted onto each row utilizing a cutting knife, ear extensions, and filler plate for maximum yield retention.



Combine Adaptor

Versatility is important, that's why our combine adaptors allow the Rota Disc to be easily switched between models or brands. Your header's resale value is maximized by being able to adapt to all combines.



What Sets Us Apart?

- Low horsepower draw
- Low operating costs
- The quietest, smoothest running head in the industry
- Direct drive, with PTO coupler, not chain in oil bath
- Modular component design for ease of maintenance and long life
- Engineered to minimize ear shatter and bounce
- Bullet proof aluminum gearboxes
- Triple slip clutch protection on each row unit
- Shock restriction couplers prevent torque loss between row units
- Low profile for superior feeding in down corn
- Modular poly snout design does not require sub frame
- Spring loaded snouts for superior height control
- Easily adjust poly angle without tools
- Poly lift assist gas shocks for convenient maintenance and cleaning
- The industry's strongest and most robust gathering chain
- 9 lug chains for optimum feeding
- 30 second chain removal tool included
- Large chain return sprocket for superior feeding and flow
- Poly chain return sprocket enhances gathering chain life
- Hydraulic deck plates with chromium reinforced leading edge
- Easily adjust auger height as field conditions dictate
- Variable pitch auger flight to improve crop flow
- Large auger trough to accommodate increased yields
- Recognized as the #1 yield retention of all corn heads
- Ability to accommodate even the toughest down corn conditions
- Easily modified to accommodate change in combine brand or model
- Annual updates available as new combines are introduced
- Hundreds of trained dealers across North America
- Factory service technicians located throughout North America
- Around the clock harvest season support
- Industry leading 2 year limited warranty
- Exceptional parts availability throughout North America
- Consistently rated as the industry's highest re-sale
- Online and 1-800 service support
- Over 130 years of harvest experience
- Recognized as the world specialists in corn harvesting headers.

Additional Options

- Poly wear straps
- Multicrop adapters for sunflowers
- Headsight
- End Row Augers
- ICF Sweeper

GEARBOX AND SLIPCLUTCH

Drive Hub

A unique design allows fast removal and installation of row units

The Geringhoff system eliminates undue stress on the bearings and drive mechanism of each row unit. A positive transfer of power and torque across the entire machine is created with the flex plate row coupler. This design also allows quick and individual removal of any row unit, should service be required.



Aluminum Gearbox

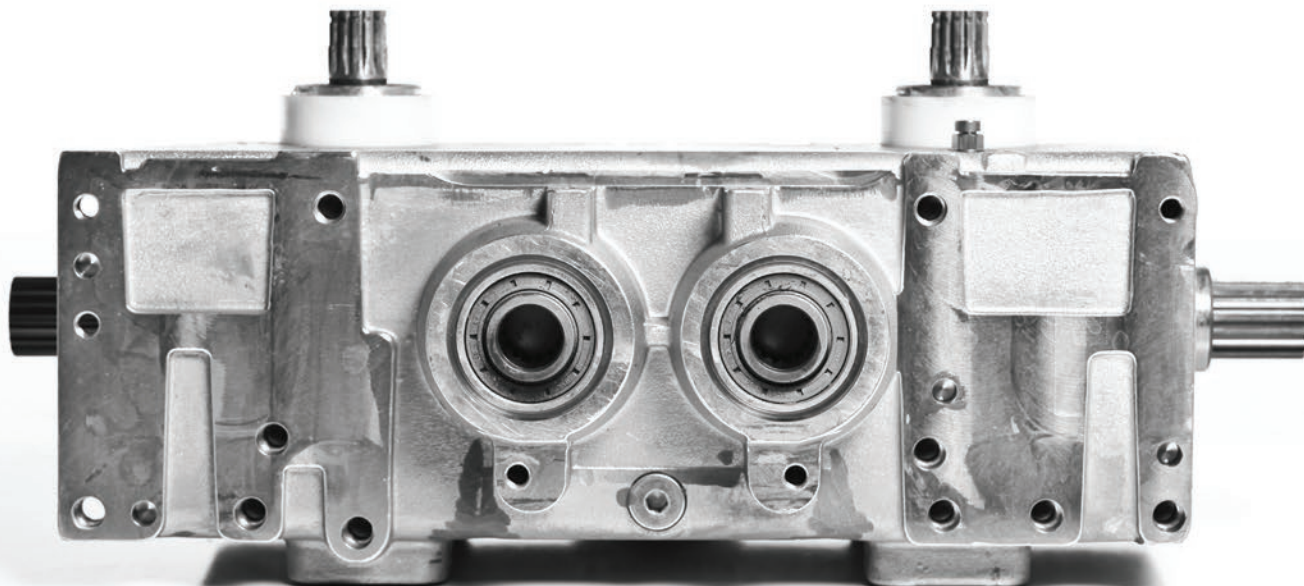
Bullet Proof Reliability

Powering the Elite XL Series is a maintenance free sealed oil gearbox, which utilizes an internal self adjusting slip clutch to protect all moving parts of the row unit. Designed to be as relentless as the people who use it, these gearboxes are ready for the demanding challenges you send its way. So bring it on.

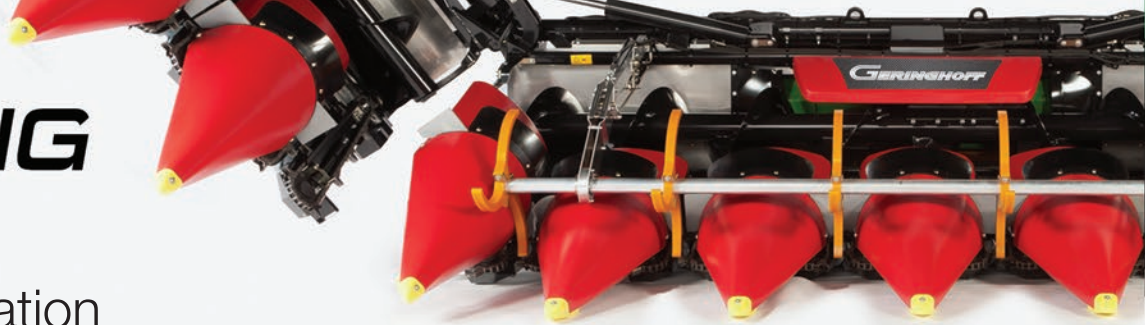
Triple Protection System

Eliminate Down Time

Eliminate down time. Spend more time harvesting and less time on repairs and adjustments. This is the goal of the Triple Protection Slip Clutch System. Each row unit features automatic gathering chain tension adjustment, unique beveled sprockets and a slip clutch with an additional double bearing in every row unit gear box. Enter the field with confidence knowing you have Triple Protection on your side.



FOLDING



Easy Transportation

Save Time by Folding Instead of Hauling

Gain capacity and save time with a NorthStar folding corn head. Today's larger class combines demand the capacity that can only be offered by 12, 16, or 18 row headers. The obvious challenges are trying to move down the road with an oversize implement, or the traditional labor and time intensive procedure of dismounting your header from the combine and having it towed when traveling on roadways.

Increase your combine's capacity, save time, and make transport safer. Geringhoff offers folding models ranging from four rows to the world's largest 18 row 30" model. With the folding procedure controlled from inside the cab, you'll feel more confident about what's over the next hill or around the curve when transporting.



1. Cab Control

Utilizing existing hydraulic and in cab controls, the entire folding procedure is done from within the cab of the combine.

2. PTO

Both the PTO and auger drives engage with an oversize, spring loaded dog clutch allowing engagement of the drive without slipping or jumping of the drives.

3. Poly Fold

An automatic folding sequence, triggered from inside the cab, allows the poly to fold independently on the inside section.

SERVICE, SUPPORT AND PARTS

Proven

Standing by Our Product

Well before your Rota Disc enters the field, Geringhoff engineers have taken several steps to ensure you will be harvesting with the best corn header available. Built upon a foundation of quality materials and the highest level of craftsmanship, the Rota Disc has evolved into the corn header of choice for the farmer that demands reliable equipment. Geringhoff quality is legendary and we take pride in the efforts that go into each corn header before it arrives in your field.



Interactive Parts Book

Ordering Parts Has Never Been Easier

Search through parts faster than ever and find what you need using the exploded diagrams. Geringhoff has proven time and time again that they create their products with the customer in mind.

Simply insert the Genuine Geringhoff Parts USB drive and double click on the program, and you are up and running in seconds.



We're Here for You

As you enter the field and head down the first row, the confidence you will have with Geringhoff is unsurpassed. You have the highest quality corn header in front of your combine. As part of the Geringhoff Owners club, you have the full support of the entire Geringhoff network of engineers, sales, and service professionals behind you all the way. You may even receive a visit by one of our factory engineers.

We are interested to know what you think and are committed to your satisfaction. Professional instruction, parts support and field support will keep harvest on schedule and running smoothly. You can rely on our service technicians and on our genuine Geringhoff parts to keep you up and running through harvest.



Parts and Service

We have a great team dedicated to providing the ultimate harvest experience. For assistance with service, support and parts, you may:

- Call our service hotline:
- Visit our online forum:
- Email a service professional:

1-888-721-1340
www.Geringhoff.com/forum
service@geringhoff.com





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