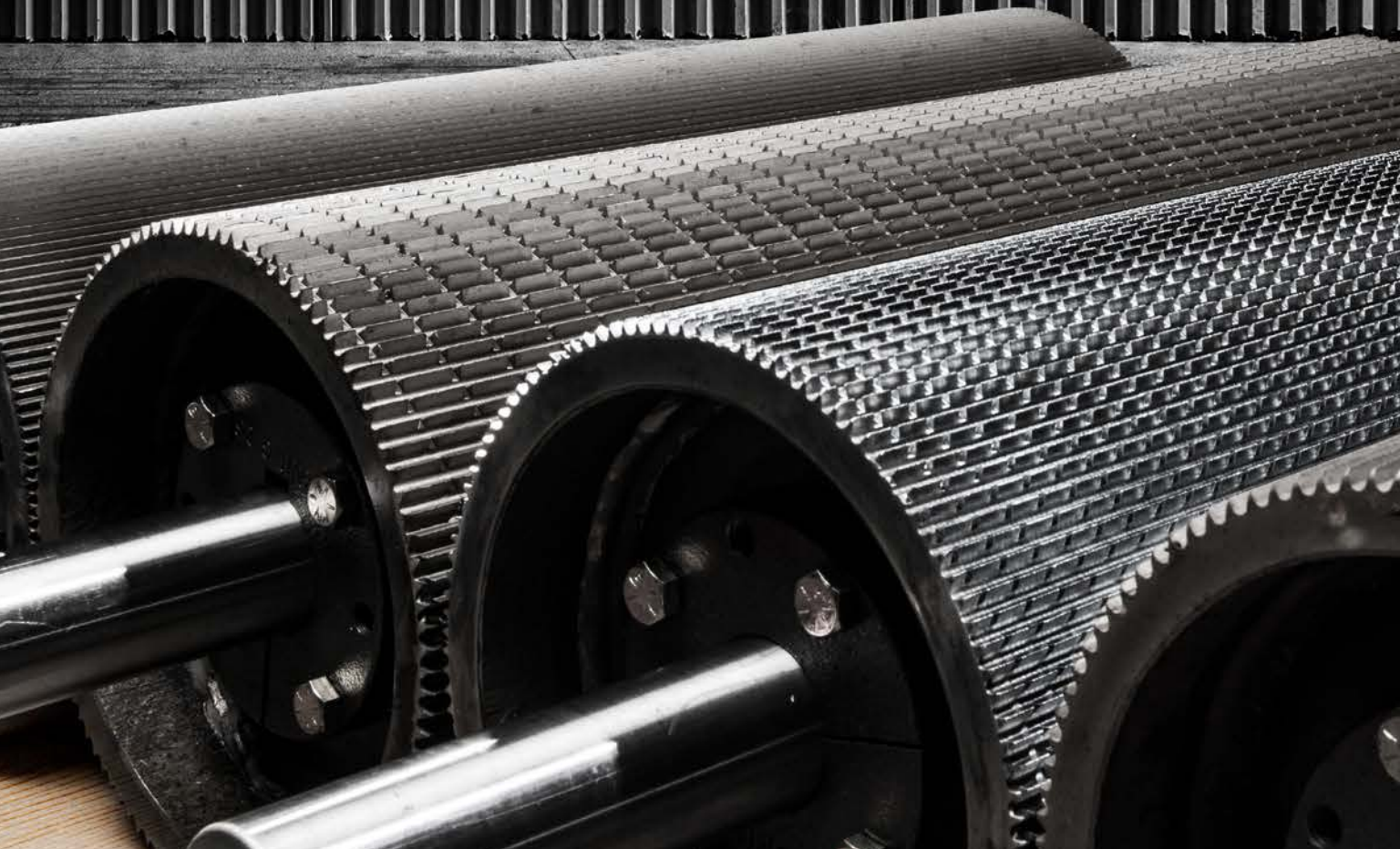




Kernel Processor Rolls

**Fibertech Chevron | Dual Cut
Saw Tooth | Straight Tooth**





- 4** Fibertech Chevron Rolls
- 10** Dual Cut Rolls
- 16** High-Capacity Sawtooth Rolls
- 20** Straight Tooth Rolls



Created for Leaders

Engineered to be overachievers. Proven to be market leaders. Horning rolls flat perform. Advanced, nutrition-optimized, kernel processing in forage harvest of any scale. Impressive mill solutions. You'll be smiling all the way to the bank.

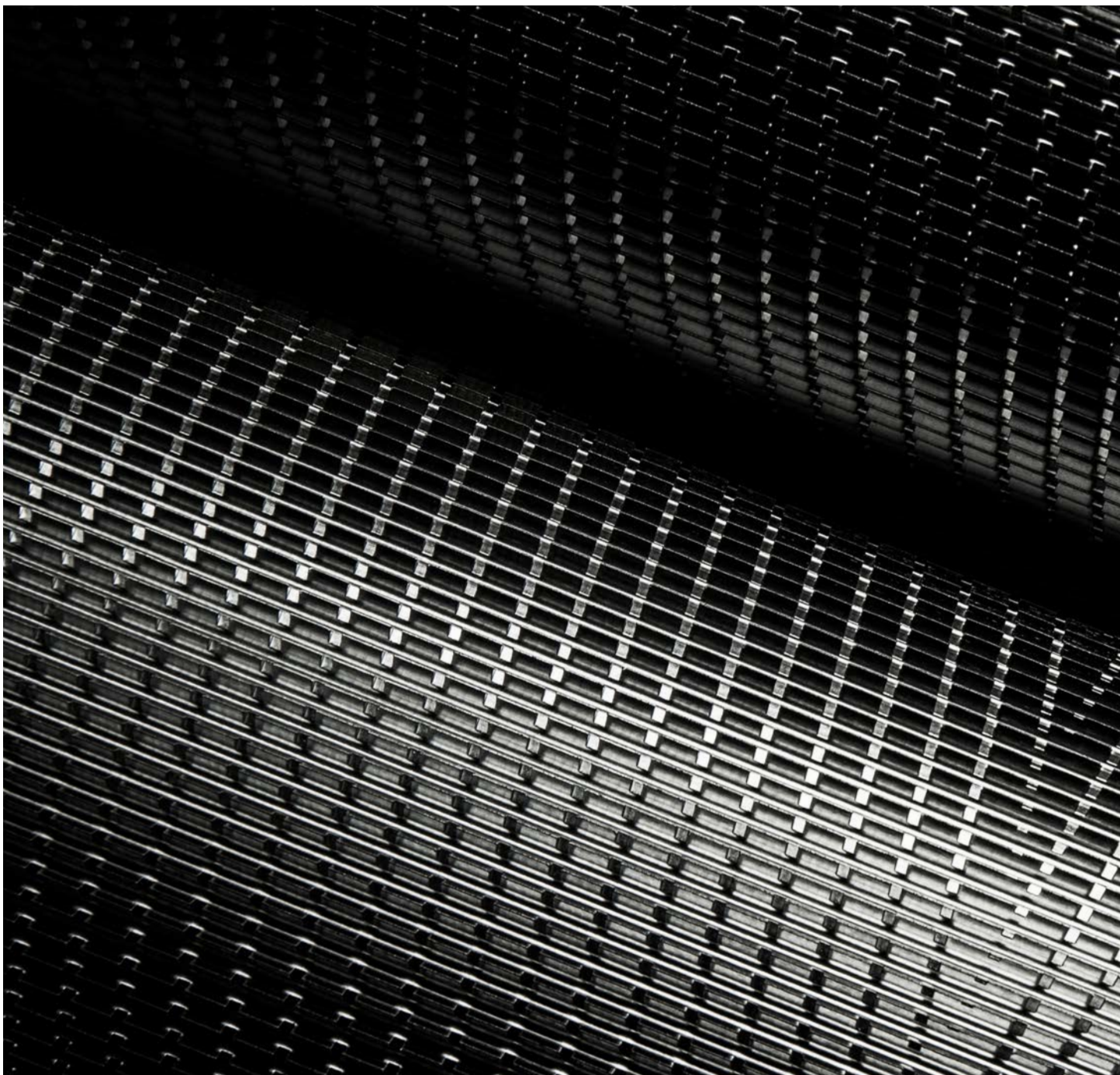
Fibertech Chevron Rolls



A Revolution in Kernel Processing

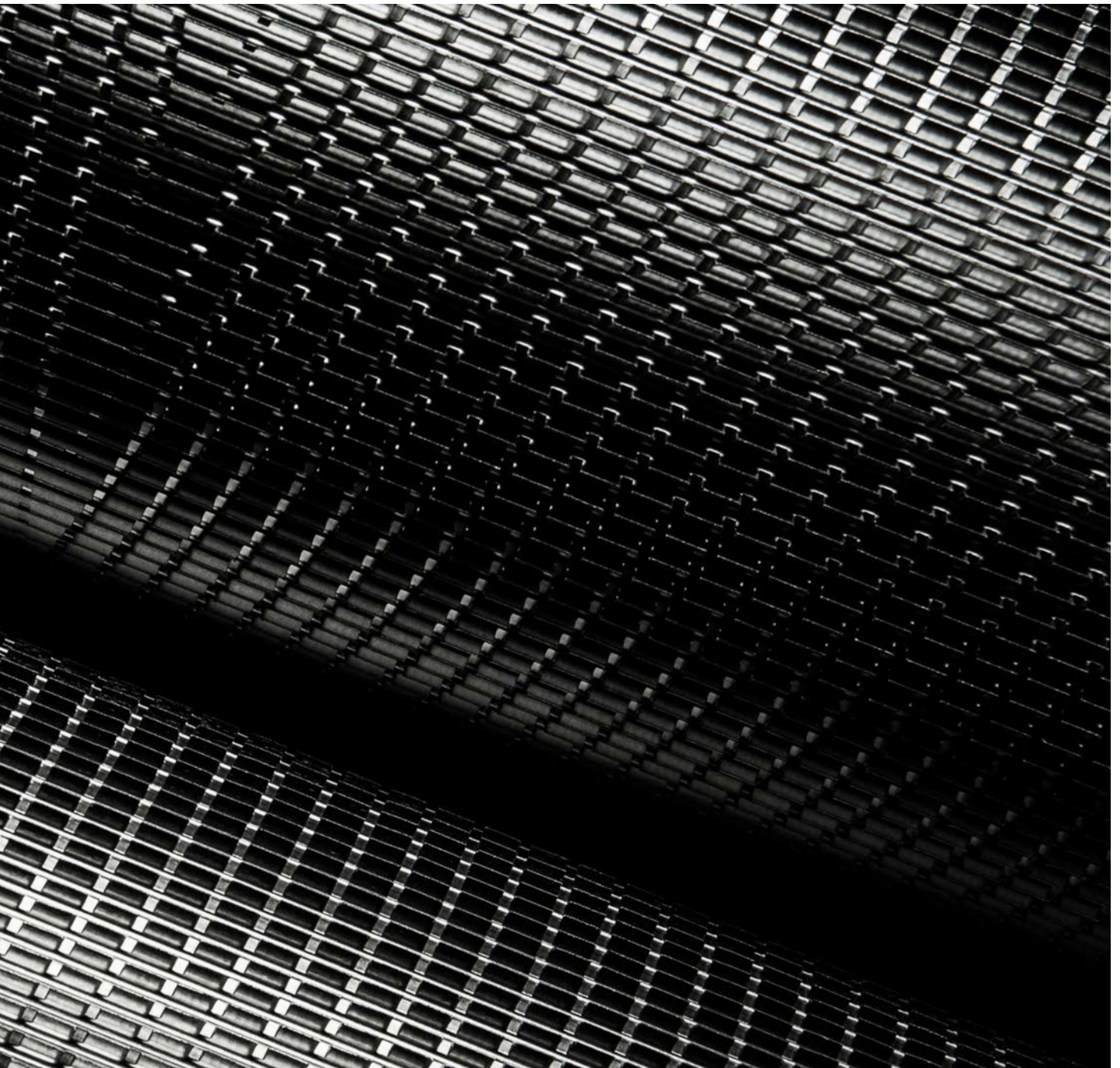
This patented roll design is a game changer, combining the best of dual cut and sawtooth technologies and amping them up for a win-win-win!

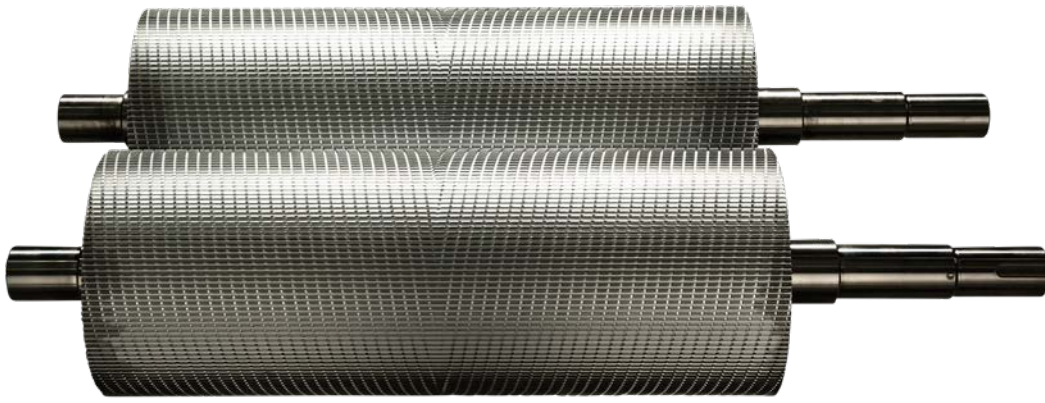
The Fibertech Chevron roll was designed as an ultra-performance solution at the intersection of farm profitability, optimized nutritional value, and in-the-field harvest rigors. A nutritionist's dream, a farmer's problem solver, and a custom operator's sidekick.



Aggressive Spirals & Square Corners

Where roughage hits the roll is no place to curve corners. The closer, more pronounced grooves with the chevron pattern create sharp corners on the teeth—those kernels don't stand a chance! The result is optimum cob grip and aggressive kernel processing action. The spirals spin out from the center, distributing stress balance across the roll, reducing end wear and enhancing forage feedthrough.





Combined Tooth Configuration Accents Speed Differential

Running processing rolls at different speeds has enhanced kernel processing scores for many years. Not satisfied, we took extreme processing beyond the unique roll pattern design by innovating where the rolls meet. We learned how to optimize kernel processing by running different tooth configurations that complement the speed variable.



Quality Materials for the Long Haul

In the marathon we expect our rolls to run, the short haul is just the warm up. The relentless weeks and grueling rigors of chopping season reveal the stuff we are made of. That's why these rolls are constructed of premium stuff—selectively sourced alloys that are closely monitored through manufacturing and meticulously inspected before shipping.

Easy on Your Machine

Every Fibertech Chevron roll leaves our facility expertly balanced to an extremely close tolerance. Shaft and roll body alike are engineered to run perfectly smoothly. The spiral action handles the forage in way designed to distribute stress evenly across the roll to reduce end wear, bearing stress, and overall machine stress. ▶

Productivity Out the Chute!

The Fibertech Chevron is a hungry brute. Watch it hog through amazing throughput, delivering consistent kernel processing at extreme levels with much higher volume than traditional sawtooth rolls. ▼



Connecting Your Horsepower to Tonnage

As forage harvesting technology advances, greater horsepower steps onto the field. Harnessing those horses is key. The Fibertech Chevron roll is extremely power efficient on a per ton basis, optimizing the horsepower to tonnage conversion. The intense work of shredding the cellulose is no longer a bottleneck. With Fibertech rolls in the equation, horsepower equals tonnage out the chute.

Horning Tough for Up to 3x Wear Life

Though it goes without saying, the Fibertech Chevron roll is built like you'd expect a Horning to be. Every aspect of the engineering is simple, straightforward, and built to last. All Fibertech rolls are finished with our highest wear-resistant finish of heat-treated chrome plating, which extends the wear life up to 3x on self-propelled choppers.

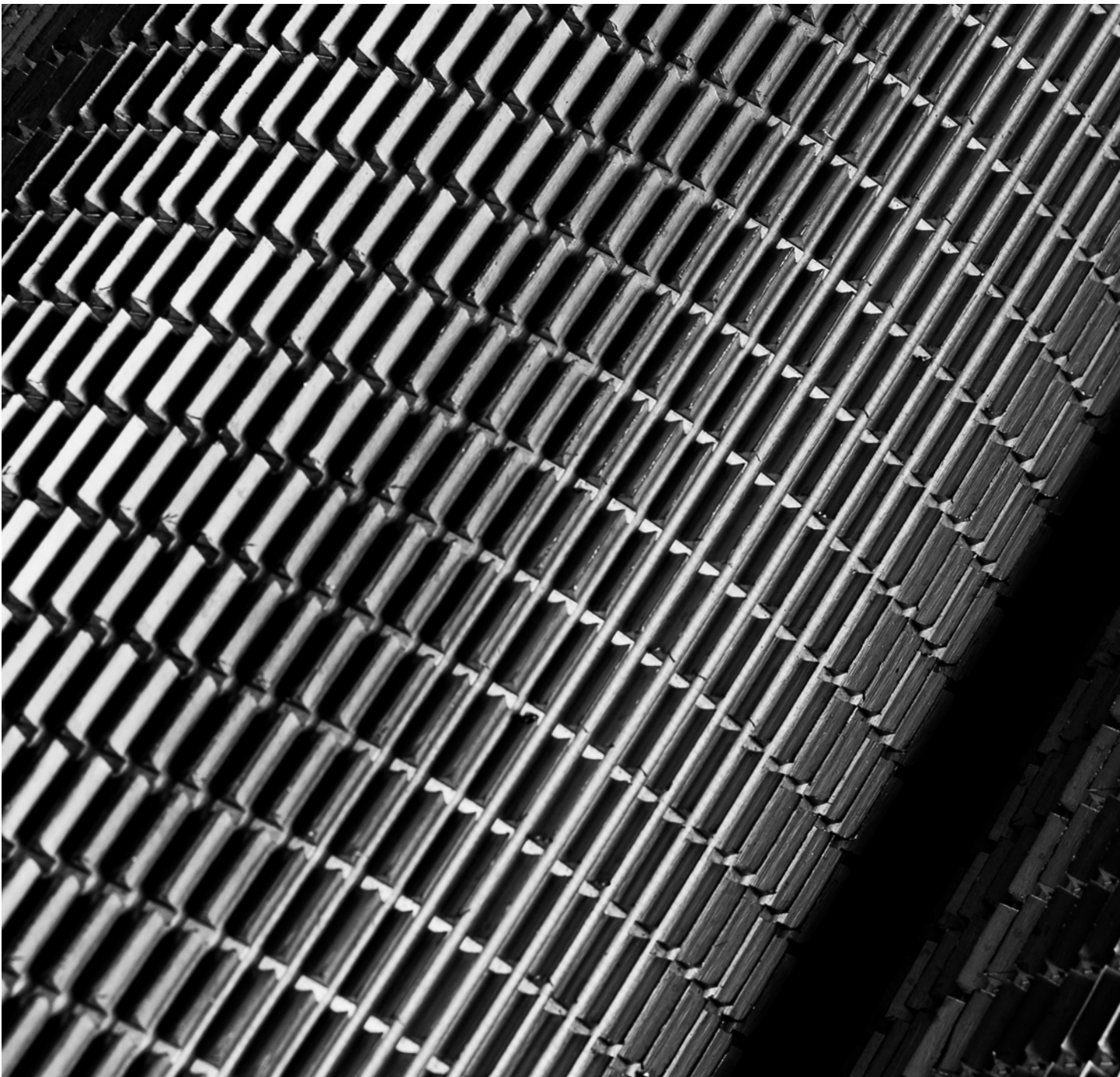




Dual Cut Rolls

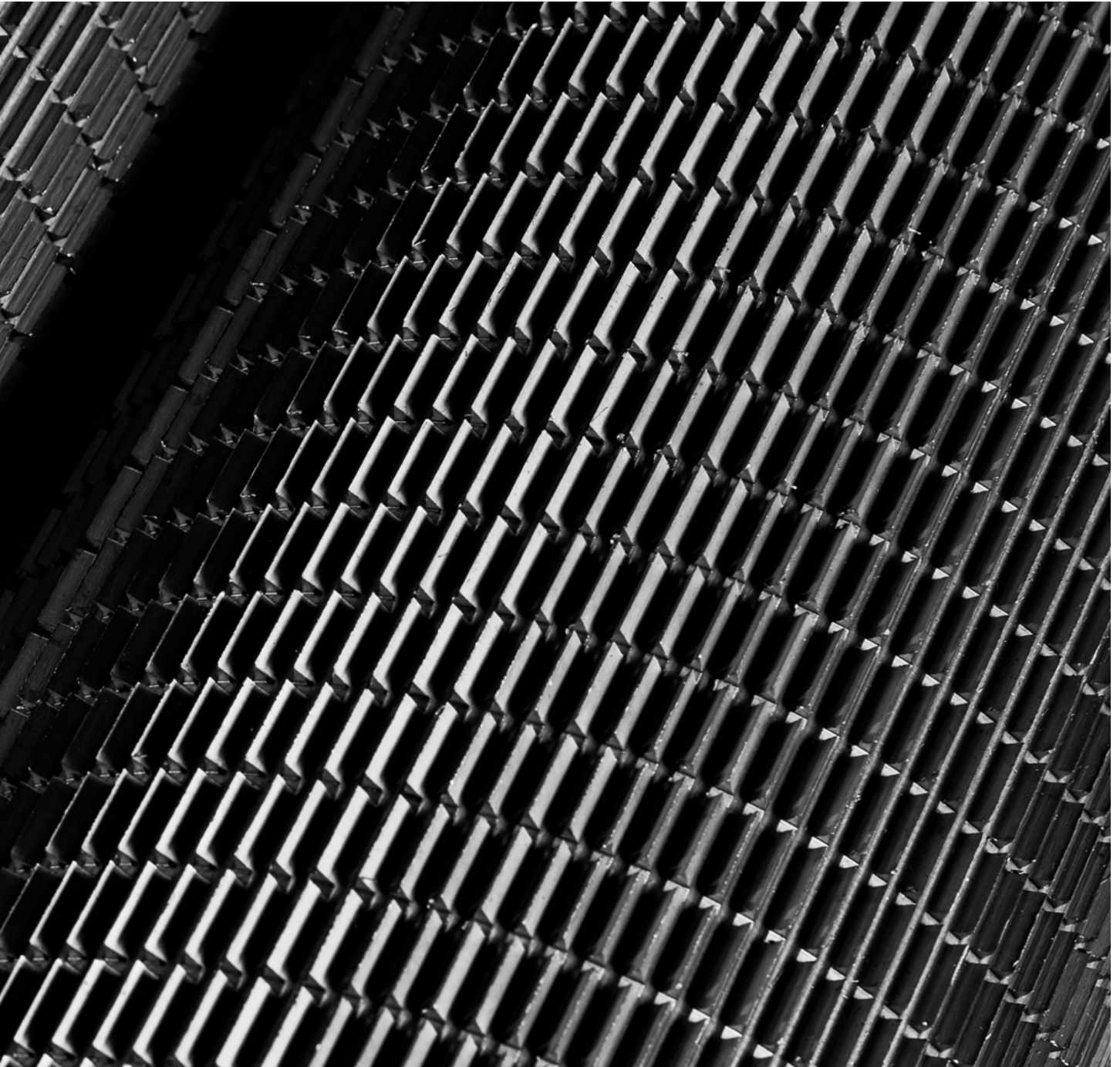
Advanced Kernel Processing

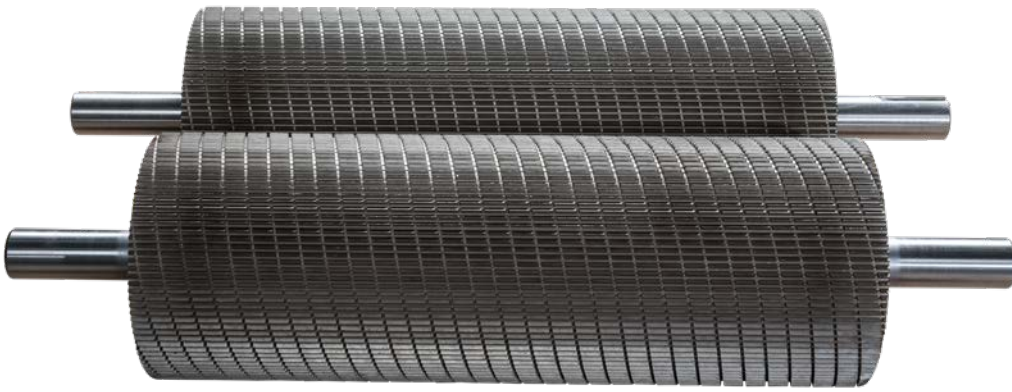
When this fella strides into the field, things happen. A massive improvement on sawtooth technology, the Dual Cut roll intensifies the processing action in a way that will turn heads. With high-powered kernel processing, robust throughput, and rugged longevity, the Dual Cut roll dominates the field.



Sawtooth With A Groovy Grip

The Dual Cut roll features grooves running perpendicular to the teeth, giving it more “grip” points than its Sawtooth predecessor! This translates to more aggressive kernel processing action with increased throughput and consistency. Most applications see a dramatic production spike after replacing Sawtooth rolls with the Dual Cut.





Bi-Directional Kernel Shear

Good-bye Sawtooth, Hello Dual Cut. The grooves in the Dual Cut roll are designed to spiral in opposite directions. This shearing effect pulverizes the forage as it is ripped sideways in opposite directions.

More Choices for Tooth Configurations

Horning has the highest number of tooth count configurations in the industry. Why? Because we understand your relentless drive to hone performance to the max. Match configurations to get the most out of you and your lean machine.

Electronically Balanced for Fewer Replacements

Horning rolls ship only after they have been electronically balanced until they spin like a top, only better. Our perfectionist standards of quality control in roll balancing mean that you can count on reduced bearing wear and enhanced overall performance.



Precise Milling for Optimal Tolerances

From the shafts to the roll face, we sweat the fine details. We treat each of the hundreds of possible machine configurations with focused priority in manufacturing the highest level of quality. Getting the tolerances just right is important in minimal wear to both the machine and the parts. To us that's a big deal, so you can run longer with less expense and downtime.

Overperforming Wear Resistance

Our baseline standard is heat-treated steel for an industrial-strength tough-as-nails roll. Our fine-tuned process ensures excellent hardening without becoming brittle. Want to take it to the top? Add chrome coating for 2-3 times the lifetime of the standard heat-treated roll.

Impressive Processing Capacity and Less Downtime

With the superior grip of the Dual Cut roll, run at a wider gap than the Sawtooth while maintaining top quality kernel processing consistency. With the machine at top efficiency, boost your production as much as 12% over the Sawtooth while putting less strain on the bearings. Check out this dandy equation: Less strain = less stress = less breakdowns = less downtime.

Increased Chopper Forward Speed

Listen to the amazing throughput story as it is retold field by field. But the best part is the “happily-ever-after ending” – increased forward chopper speed. It's no tall tale either. We consistently see chopper forward speed increase up to 12% as compared to the same chopper running a Sawtooth.

With a Warranty . . . No Foolin'

Serving the customer isn't lip service around here. We guarantee the Dual Cut roll with a one year warranty on workmanship and materials.



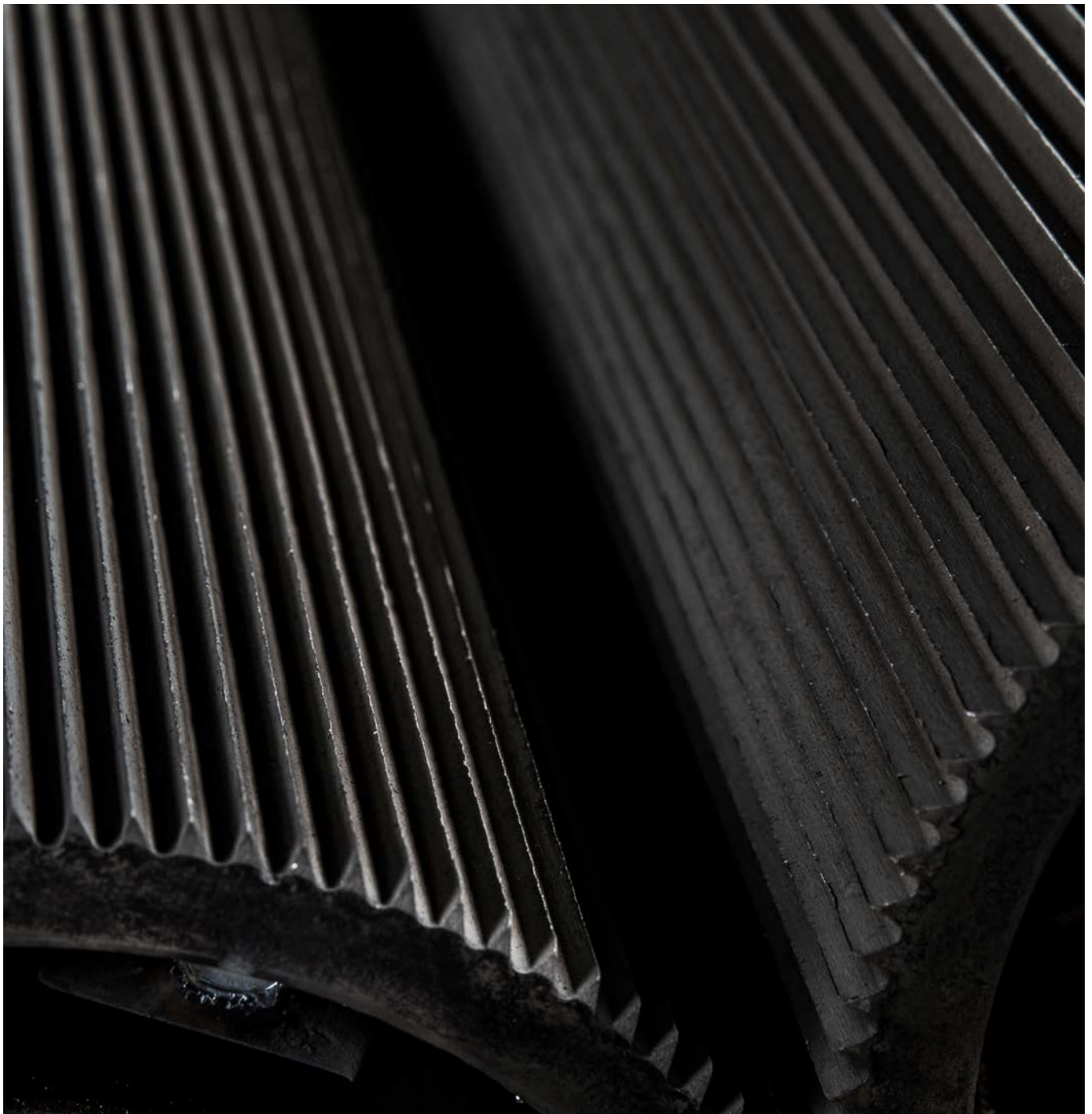




High-Capacity Sawtooth Rolls

Teeth With a Bite

Compared to a Straight Tooth roll, this guy is vicious. The hook shape engineered into the tooth transforms the smashing action of a plain ole roller mill into a slicing, ripping action that puts OEM rolls to shame. These powerful teeth combined with a wider gap makes this roll a market leader in capacity.





Differing Roll Speeds to Pack a Greater Punch

Consistency is great, except when it isn't. These rolls are actually designed to spin at different speeds for best performance. This differential maximizes the effect of the hooked tooth design. As the forage hits the gap, the hooked teeth on each roll—one faster, one slower—disintegrate the cob, chopping the kernel into a consistent meal of tiny granules.

Power Efficiency for Less Stress on Your Machine

The sawtooth design allows a wider gap between rolls because it processes so thoroughly. Not only that, but the cutting action increases power efficiency as well. Long story short, Sawtooth rolls are easy on your machine while devouring the forage with less effort than the old Straight Tooth.

Precision Crafted for Frictionless Running

Precision milled from teeth to shaft, this roll doesn't put up with slop. Painstakingly designed, milled, and assembled to ensure snug bearing fits and long life of chewing up forage. Strict quality control, electronic balancing, and product consistency make this unit ready to hit the ground running.

Rough and Tough

Like all Horning rolls, the Sawtooth roll is engineered to take a beating and keep on rolling. Constructed from premium materials, it's ready to take on whatever you throw at it. With a Sawtooth purring in the machine, you can turn your attention to other things. Sawtooth rolls are in it for the long haul.

Choose the Best Tooth Configuration

Whether you'd like to run your tooth configurations fine or course, we have precisely what you need. You know best what works for you, so with multiple tooth configurations, you can customize your roll to your conditions for the best value to your application.

High-Capacity Sawtooth Rolls cont.

High-Level Wear Resistance

When manufacturing is complete to our rigorous specifications, all Horning rolls are heat treated to harden the steel for long life in tough conditions. You can add chrome plating for up to three times the roll life.

More Customization Options

We love innovation. And we love options. We are committed to offering a high level of customization so you can dial in your roll to your application for optimum efficiency. Horning has it.

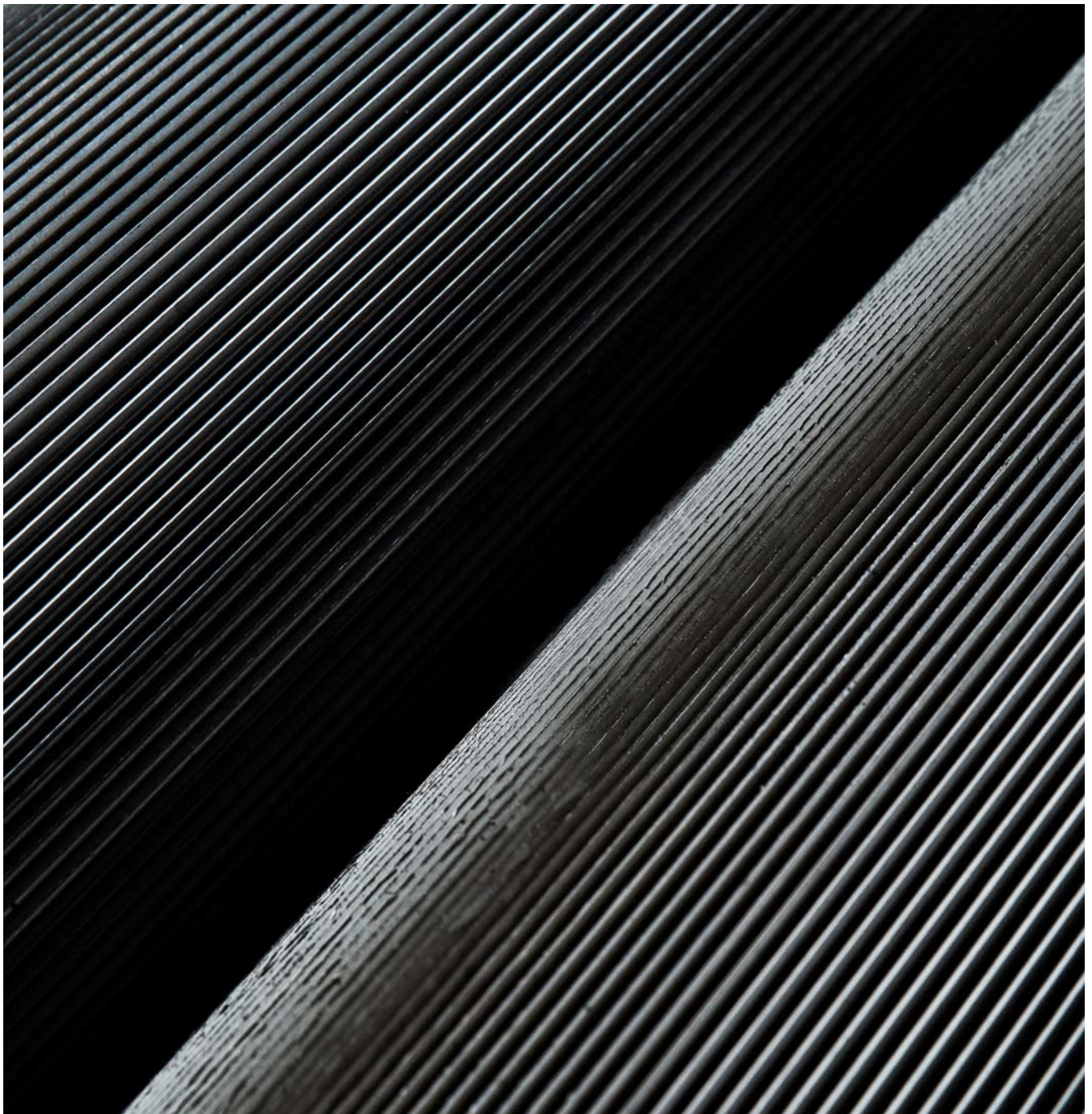




Straight Tooth Rolls

The Old Standby

This roll style is the original crimping-style roller still used in roller mills today. While Horning has dramatically improved kernel processing technology in forage applications with improved tooth and lateral action designs, the Straight Tooth roll is still Old Faithful for some applications.





Superior Design, Superior Performance

Precision milled Horning rolls stand tall among the competitive roll options on the market. We embedded in this design all that we have learned from 20 years' experience engineering solutions for the harshest conditions.

Tough Enough

Instead of embracing the “cheapen it up” philosophy of our age, we go the other direction. We believe in building it the best way possible. Designed and built like a tank, the Straight Tooth roll doesn't give up when the going gets tough.

Quality Materials That Last Longer

Material sourcing is key for premium product quality. We carefully choose and test premium metal alloys to find the best materials for each application. Quality materials = no regrets.

Wear Happens—But We're Ready

Heat, friction, vibration, and stress—it's all part of the job that we design Horning rolls to meet (and conquer). Every Horning roll is heat-treated to harden the steel for enhanced wear resistance. Chrome plating is available on some products for up to three times the lifetime.

Choose Your Best Tooth Configuration

Horning has always believed that you deserve options so you can get the best results. Choose from a number of tooth count configurations to best serve your application.

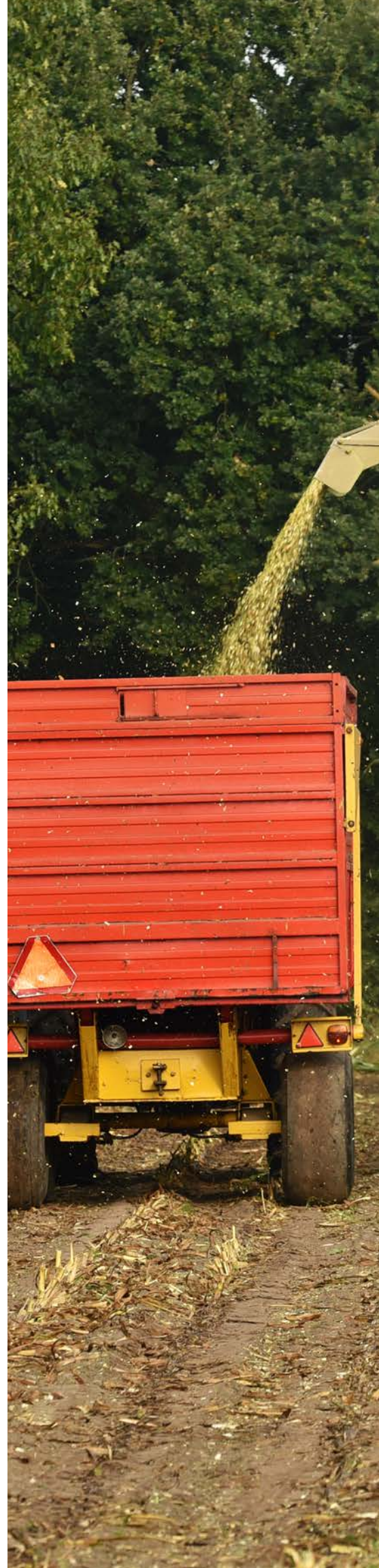
Straight Tooth Rolls cont.

Specialty Grains in Forage Harvest

Specialty mills, roller mills, and forage harvesters for whole crop sorghum and milo are prime candidates for these rolls. Enjoy longevity, quality, and outstanding customer service with your Horning replacement Straight Tooth roll.

Customize for More Success

Do you have a custom application or size for a straight toothed roller? We offer complete customization and design to get you back in the field rolling toward success.





Helping you
be the leader.



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