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Dairy Cow Hoof Trimming Utilizes New Chainsaw Blade Technology

For the first time ever, the unique cutting ability of a chainsaw blade is now being applied to dairy cow hoof trimming. King Arthur's Tools, the worldwide leader in the development of chainsaw blades on angle grinders, introduces two new products, BORS and MERLIN. While BORS was developed with the experienced Trimmer in mind, MERLIN is a self contained trimming set that can be used by Dairy-men, Herdsmen, Veterinarians, Novices and Professionals alike. Chainsaw blade technology provides a smoother, safer and easier experience while providing increased blade longevity.

Extensive research and field testing on dairy operations in Florida, Georgia and Wisconsin led to the development of a chainsaw blade that delivers both blade longevity and ease of sharpening. The tungsten carbide chainsaw blade has an average blade life of 10,000 animals before the blade may need to be replaced. Jerry Bowman, a professional

hoof trimmer in Wisconsin, has used the same Bors blade to trim over 4,000 cows over the past 5 months while

having sharpened the blade only three

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times. Bowman commented, "The blade is very easy to sharpen with the hand diamond file and it holds an edge for a long time." Being able to self sharpen the chainsaw blade means that the operator won't be inconvenienced by having to send saw chain blades away to be sharpened when they become dull.

BORS is a 3 1/2" diameter, six tooth tungsten carbide chainsaw blade mounted between two discs that can be

attached to any 4 1/2" angle grinder. It is designed for high volume production. The effectiveness of BORS is due to the location of the carbide saw chain teeth along the outside edge of the discs. This allows the blade to be held at an angle against the hoof and permits a smoother cutting motion across the hoof that doesn't pull away. By putting the arms and upper body to use, this cutting motion reduces strain and fatigue on the wrist by eliminating the chopping motion used with current cutting tools.



With a retail cost of US \$225, the superior longevity of BORS equates to an operational cost of less than a penny a hoof. (BORS Kits that include the KAT Diamond Sharpener retail for US \$260.)

Weighing in at 1.5 pounds and 11" long, MERLIN is the first tool to be offered as a hoof trimming set. The set consists of a miniature long neck angle grinder, a patented 2" diameter, 4 tooth carbide chain saw mounted between two discs and two other specifically designed accessories for trimming, preparing and finishing hoofs. MERLIN comes in two models, a fixed speed (13,000rpm) favored by professional trimmers and a variable speed (6,500 - 13,000rpm) model utilized by occasional users. The variable speed model allows the operator to dial in the speed and aggressiveness that they're comfortable working with. MERLIN is the first power tool that can duplicate the actions of a hoof knife and is perfect for trimming between the toes or around a hoof abscess and other delicate areas. Both MERLIN models will retail for US \$295.

King Arthur's Tools is a family owned, American company that has been the world leader in the development of chainsaw blades for various applications for the past 15 years. Originally designed for wood carvers, chainsaw blade technology is now being used in a multitude of different industries world wide. www.katools.com & www.hooftrimmingtools.net

If you'd like more information about this topic, or to schedule an interview with Allen DeWolf, please call Allen at 800-942-1300 or e-mail Allen at dewolf@talstar.com.



MOVE MOUNTAINS.

THE NEW 7900 HIGH LIFT

Introducing the 7900 High Lift Series. Designed for today's extreme horsepower 4WD tractors, this blade is made to take on your biggest challenges. For silage bunkers there is no equal.

BOXED-IN STRENGTH

Degelman's standard boxed-in construction offers superior strength and pushing performance. A ripple formed blade with recessed carbon cutting edge ensures a clean smooth roll off.

HIGH BLADE CLEARANCE



With a standing height of 47" and an under blade clearance of 40", the blade profile is a great

height for silage packing and completely eliminates back dragging in silage bunkers.

AR400 SKID SHOES

We know wear and tear is the enemy out there. We use AR400 plating to give our skid shoes eight times the abrasion resistance of regular steel. With the addition of a ratchet jack, the skid shoes are infinitely adjustable in height.

INDUSTRIAL CYLINDERS

We manufacture our own cylinders with induction hardened chrome shafting, urethane seals and wear bands to eliminate scarring and oil contamination; increasing life expectancy and reducing wear and tear. Rod wiper seals are strong enough to scrape off ice or mud.

HYDRAULIC READY FRAME

The Degelman straight push frame has fewer joints to maintain and loosen. Just add cylinders for finger-tip control of blade angle and tilt - either now or later. There is no extra framework to buy or discard.

COMPLETE DETACHMENT

With D-lock® quick attach, mounting has never been easier. The blade and all framework can be removed in minutes by disengaging 2 points on the front axle. No tools required and fit-ups are 100% secure with zero movement.

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