



mower blade - before



mower blade - after

# BURR KING ADVANTAGE BLADE SHARPENER

Based on the Burr King Model 760, the Blade Sharpener allows the user to easily sharpen mower blades, bush hog blades, and chipper blades. The machine also features a work table that is well suited for chain saw bar work.

## EQUIPMENT SPECS

Horse Power	1-1/2 Baldor or Leeson Motor
SFPM	8000
Volt/Phase	115/1 or 220/1
Contact Wheel	90 Duro Serrated
Suggested Belt	1-1/2 x 60 36 grit 3M Cubitron or Norton Blaze

*for sharpening mower and bush hog blades*

## FEATURES

- Rotating parts covered eliminating parts entanglement, greater operator safety
  - Deeper horizontal and vertical throat clearance for larger and odd shaped parts
  - Improved door latching system
  - Pinch point guarding when back up platen is removed
  - Urethane covered idler wheels for longer life
  - Idler wheels are electrostatically conductive
- **Blades Stay Cool** • **Low Cost of Ownership**  
 • **Versatile** • **Reliable** • **Powerful**  
 • **Smooth** • **Aggressive** • **Heavy Duty**

The Burr King three wheel grinder provides maximum versatility. Contact wheel, platen, workrest support, and loose belt grinding are precision controlled with positive belt tracking, quick belt change, and linear belt tension. Constructed of rugged cast aluminum and precision machined components, every Burr King grinder delivers unexcelled grinding performance and reliability. Every machine is backed by a one year warranty.

MADE IN U.S.A.



- \* GRINDERS
- \* BUFFERS
- \* VIBRATORY
- \* DISC GRINDERS

See it in action at  
[www.youtube.com/burrking](http://www.youtube.com/burrking)

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# Sharpening Mower or Bush Hog Blades?

Welcome to a new era in mower blade sharpening. Burr King Manufacturing of Warsaw, Mo has recently announced an attachment for its flagship grinder the Model 760. The Mower Blade Sharpening Attachment is easily mounted on to a Model 760 grinder and allows the operator to achieve a consistent 30 degree angle on mower blades.

### **About the Model 760 -**

The Model 760 features a 1-1/2 Horsepower, Totally Enclosed Fan Cooled Motor from either Balder or Leeson. The Model 760 is the largest example of our versatile three wheel belt grinders. The Model 760 offers contact, backup platen, worktable and loose belt grinding at 8000 SFPM. All Burr King products are Proudly Made in the U.S.A.

### **About the Mower Blade Attachment -**

The Mower Blade attachment was designed exclusively for the Model 760 grinder. The attachment quickly attaches to the Model 760 and allows the operator to grind a blade in just minutes. The attachment allows the machine operator to easily grind a blade to a 30 degree angle.

### **Case Study - Otten Small Engine, Sedalia, Mo**

Mark Otten purchased a Model 760 prior to the release of the Mower Blade Attachment. When the Engineers at Burr King found out that there was a need for a high quality attachment the wheels went into motion.

The first working prototype of the attachment was delivered to Otten Small Engine in May of 2008. Otten's has searched high and low for a cost effective, simple way to sharpen blades. They have used hand-held angle grinders, large bench grinders and even industry specific grinders developed exclusively for mower blades.

According to Chuck Campbell a mechanic for Otten's, the angle grinders were dangerous, you had to mount the blade in a vise. The grinding wheels on the bench grinder would cause a lot of heat to build up in the blade, and were very slow to remove material.

"The grinder that was developed for our industry used grinding wheels that we could only buy through the manufacture, and they were very expensive and had a very short life.

"With the Burr King Grinder and the Mower Blade Attachment we can sharpen a full set of three commercial, 1/4 inch thick mower blades in less than 10 minutes. It would take three times as long on the angle grinder which was the quickest way prior to purchasing the Burr King said Campbell"

"We typically can sharpen 25-30 blades on a single belt. We never imagined that you could do this kind of work with a belt 'sander.' The belts are inexpensive when compared to the other options we had at our disposal. We pay \$6 for a belt that can sharpen 30 blades. It's easy to do the math. This machine will have a ROI in no time at all," said Mark

Otten, Otten Small Engine Sales Manager.

"Before we had the Burr King, customers would drop off their blades and return later that day to pick them up, now we sharpen most of them while the customer waits," said Ray Sleeper, Otten's Chief Sharpener.

"One thing that is overlooked is the flexibility of this machine not only to sharpen blades, but to use Scotch-Brite wheels to deburr and polish metal. We use a radial bristol brush from 3M to remove gasket material from engine heads with out damaging the aluminum. This machine is a must have in my opinion," concluded Otten.



For more information visit [www.burrrking.com](http://www.burrrking.com) and [www.youtube.com/burrrking](http://www.youtube.com/burrrking) to see the equipment in action.