

RocketValve™ TESTIMONIALS

"We used to get a maximum of 2,000 acres per set of valves. Our RocketCoated valves show no wear after 6,300 acres."

- Richard Gutierrez

Farm Manager, Johnson Agriprises, Othello, WA

"Does the entire farm management team think this is a good investment? Yes.

Did we see an unbiased, vast improvement? Yes. Would we do it again? Yes. Why? Because it makes both production and mechanical sense."

- Carl Boorman

Boorman Farms



RocketValve™ FACTS

- Over 100,000 acres planted with EIC RocketCoat™ stationary valves with no sign of wear
- RocketCoat™ is corrosion resistant and harder than anything in the soil
- Increases the wear life of the stationary valve seal surface indefinitely
- Reduce required engine speed up to 30%
- Makes You Money — by minimizing skips and doubles
- Saves You Money — by extending wear life
- Simplifies Installation — no more nightmare valve assembly jobs

Planter Fans

Extreme Industrial Coatings can also improve your PLANTER FANS. Compare the difference:

- Typically outlast standard factory fans 3:1
- Blades are an extended U-shape that minimizes rivet wear and eliminates blade crevices that collect gummy debris
- A thick thermoplastic nylon coating provides erosion and impact resistance
- Hubs are 6061 aluminum—much tougher than crack-prone cast factory hubs
- Blades can be replaced
- Fans are dynamically balanced for 2500 rpm service—twice as smooth as factory fans
- Seven seasons of outlasting factory fans



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EXTREME™
INDUSTRIAL COATINGS, LLC

RocketValve™

UPGRADE FOR THE AIR CUP® POTATO PLANTER



RocketValve™ Makes You Money

— by minimizing skips and misses

RocketValve™ Saves You Money

— by extending wear life

RocketValve™ Simplifies Installation

— preassembled rotating end

The Lockwood Air Cup potato seeder is a wonderful machine employing advanced seeding technology. However, planting inconsistencies still plague many of these machines due to:

- Stationary valve wobble
- Eccentric and mismatched stationary and rotating valves
- Significant gaps between the valve mating seal faces

THE PROBLEMS:

- Inconsistent vacuum from valve to valve
- Inconsistent vacuum within the rotation of each valve
- Uneven wear within the valve
- Increased required fan speed and fuel consumption

THIS CAN MEAN:

- Double or triple plants
- Skips (misses)
- Premature valve wear
- Increased fuel costs
- Inefficient operation
- Lost revenue



Make money with increased efficiency while saving with reduced wear and maintenance

Making a good machine great: Our RocketValve™ upgrade optimizes vacuum distribution across the machine by using redesigned, precision machined components and our famous RocketCoat™ stationary valve seal surface coating. The result? Improved planting efficiency and reduced installation hassles.

AIR CUP 101:

The heart of the Air Cup is the vacuum valves. Poorly distributed vacuum and wasteful leaks greatly affect planting consistency and fuel efficiency.

Significant gaps between stationary and rotating valve seal surfaces are a major source of vacuum loss. A good indicator of the planter's vacuum efficiency is the engine speed required to pull adequate vacuum across the machine. If the speed is too low, many tubes will skip; if the speed is too high, the tube will plant doubles.

Our test client in Eastern Washington was running his tractor at 1800 to 2000 RPM to operate the potato planter. After the EIC RocketValve™ upgrade, he was able to throttle down the same machine to 1400 RPM, which is about the minimum needed to keep the tractor and implement running efficiently without stalling. This 23% - 30% reduction in RPMs saves fuel and wear on the tractor — all the while improving the efficiency of the planter.

Wear protection of the stationary valve seal surface is critical to the efficient operation of the Air Cup vacuum valve. Wear can dramatically affect the vacuum



performance of the valve, requiring routine replacement of both the stationary and rotating valves. EIC's RocketCoat™ surface treatment eliminates this wear and extends the life of the stationary valve indefinitely.

The Solution is the RocketValve™ retrofit:

- Precision machined and RocketCoated stationary valve
- Precision reamed stationary valve bearing
- Upgraded ground and polished Chromalloy shaft with bearings installed
- Upgraded precision machined hub and backing plate installed
- Re-machined and modified plastic rotating valve
- Rotating end bench assembled to optimize precision and ease installation

Your Revenue Will Benefit By:

- Reduced skips and doubles — consistent planting will increase yield
- Reduce premature wear and part replacement
- More efficient tractor operation and reduced fuel cost
- Easier installation — rotating valve comes preassembled

