

INDUSTRIAL FAN WEAR PROTECTION

9 MONTHS OF PERFORMANCE TO 6 1/2 YEARS (AND COUNTING)

CHALLENGE

At a Limestone Processing Plant, the OEM chromium-carbide blades on an **industrial fan were rapidly eroding and losing shape, leading to necessary blade changeouts after only 9 months** of use. Each of those changeouts cost the plant 36 hours of downtime and increased the safety risk to employees.

SOLUTION

To reduce wear issues and extend the operational life of each fan, **Good Earth Tools applied StarCarb tungsten carbide protection to every critical wear area**, including fan blades, whizzer blades, the whizzer disc, and each leg of the spider assembly.

RESULTS

After more than 6 1/2 YEARS of operation, the StarCarb fan continues to deliver consistent, optimal performance—and that's after processing 200,000 more tons of coal than the OEM fan. After the Good Earth Tools fan's installation and integration, **the plant saw less downtime, decreased safety concerns, higher yield quantities, and increased profitability.**



PRODUCTION POWER-UP
+767%



BEFORE CARBIDE WEAR LIFE: 9 MONTHS

OEM Chromium-Carbide fan shows severe wear and loss of operational and structural integrity.



AFTER CARBIDE WEAR LIFE: 6.5+ YEARS

Good Earth Tools' StarCarb Fan continues to perform with 100% operational and structural integrity.



MAXIMUM DURABILITY. MAXIMUM EFFICIENCY.

CUSTOM TUNGSTEN CARBIDE CONQUERS THE TOUGHEST WEAR PROBLEMS.

With tungsten carbide-protected equipment and parts, wear-life problems are solvable — and profitability goals are reachable — even in the most extreme applications.

We tailor solutions to the precise needs of your operation.

Using advanced 3D scanning capabilities, Good Earth Tools captures the exact specifications of your existing parts on site at your facility, for maximum accuracy and minimal downtime. With these precise measurements, our engineers develop custom wear solutions, from patch repairs to full replacements, that guarantee optimal performance and lasting value.

A blueprint for wear-life excellence, 60+ years strong:

EXPERT ENGINEERS

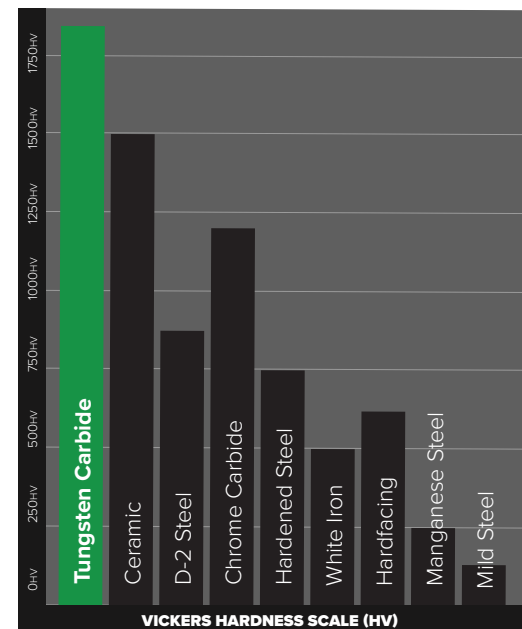
Leveraging decades of product design experience

CUSTOM CAPABILITIES

Creating turnkey solutions for every wear-life problem

DEDICATED TEAM

Ready to partner with our customers to deliver the very best



TUNGSTEN CARBIDE > STEEL

- 10x harder than mild steel
- Lasts 25x longer
- Resists up to 1000°



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