

LIMESTONE GRINDING PLOW TIPS

TUNGSTEN CARBIDE PROTECTION DELIVERS 4X WEAR LIFE

CHALLENGE

Limestone creates a harsh environment for equipment, driving extreme, pervasive wear that disrupts production schedules while ballooning costs. One Good Earth Tools customer saw that again and again at their limestone grinding facility. After barely three months of production, the hard-facing protection on their plow tips was worn past effectiveness, requiring expensive and productivity-stalling change-outs.

SOLUTION

Good Earth Tools lined the leading edges of the customer's steel plow tips with solid tungsten carbide, adding twice the hardness and 25x more wear resistance.

RESULTS

After almost a full year of perfect performance, most of the tungsten carbide on the wear-protected plow tips was completely intact. That **300% wear life increase** is a major win in and of itself, but our engineers took it a step further. After evaluating the used parts, we noted that the steel above the tungsten carbide protection was wearing out. Our team engineered a new set of plows and plow tips with full tungsten carbide coverage, setting the stage for a bigger boost to longevity and productivity.



PRODUCTION POWER-UP
+300%

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GOOD EARTH TOOLS



BEFORE: 3 MONTHS MAX

Hard-facing protection on plow tips wears off, leading to failure every few months.



AFTER: 1 YEAR (AND STILL GOING)

Our tungsten carbide-protected plow tips show almost no wear after nearly a year.



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

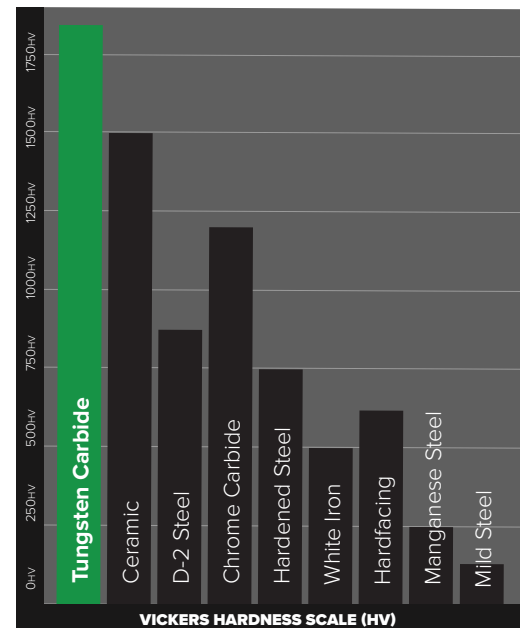
Leveraging decades of product design experience

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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