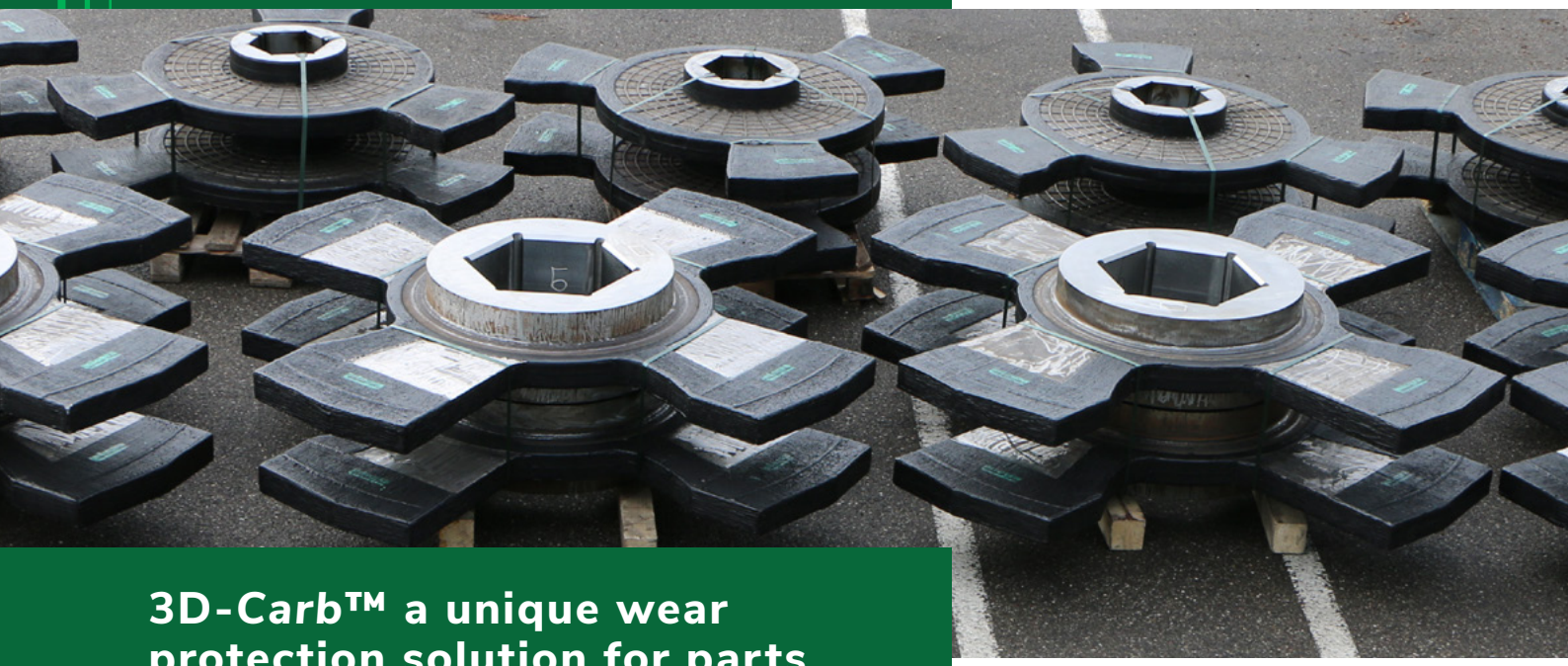
3D-Carb™

For Welding **Professionals**

Welding Alloys



3D-Carb™ a unique wear protection solution for parts experiencing extreme wear

3D-Carb™ is a hardfacing solution that offers outstanding protection for parts subject to significantly high wear. The innovative method uses a 'bimetallic' matrix made with a honeycomb structure to restore parts back to their original profile. This enables the balance between extreme wear resistance and component toughness to be maintained. 3D-Carb™ is proven to substantially increase the service life of critical parts.

3D-Carb™ is designed to address specific wear problems. High wear areas of components are hardfaced using our 3D-Carb™ solution, then supplied ready for installation.

Features

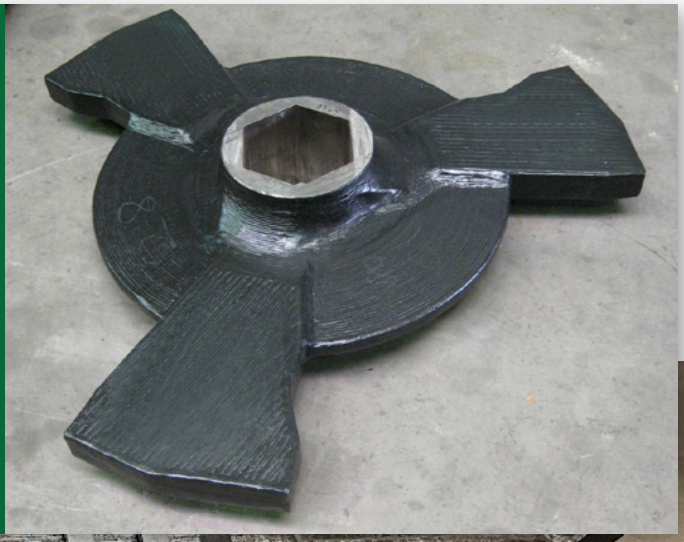
- Parts are restored to their original profile
- Improvements in component design and performance
- Quick turn-around times, aided by high deposition rates
- Dimensional accuracy
- Well suited to the manufacture of high-value replacement and repair parts

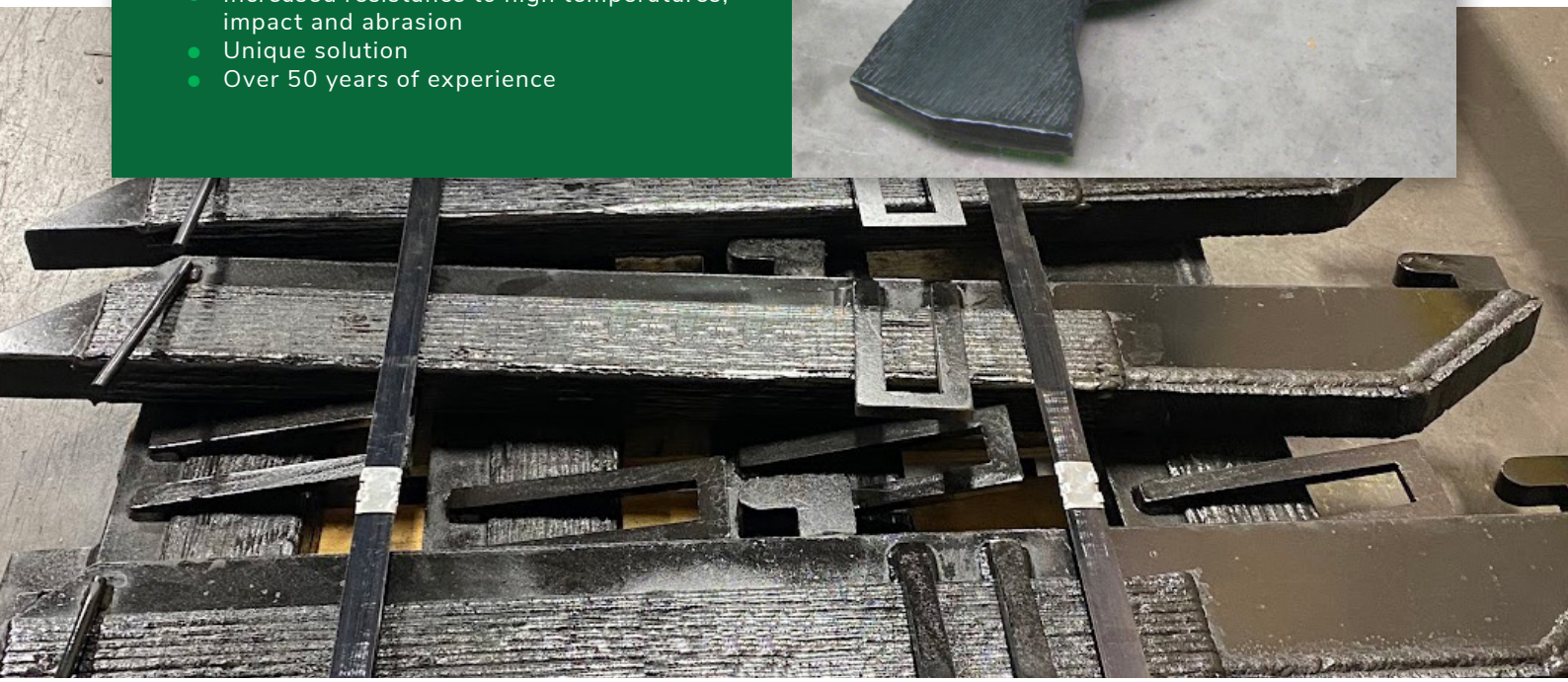
Benefits

- Reduced component wear rate
- Reduction in maintenance requirements
- Reduced total cost of ownership (TCO)
- Application-specific designs targeted to high wear areas
- Increased service life and performance of parts, therefore optimised energy consumption
- Increased production tonnage

Why choose this solution?

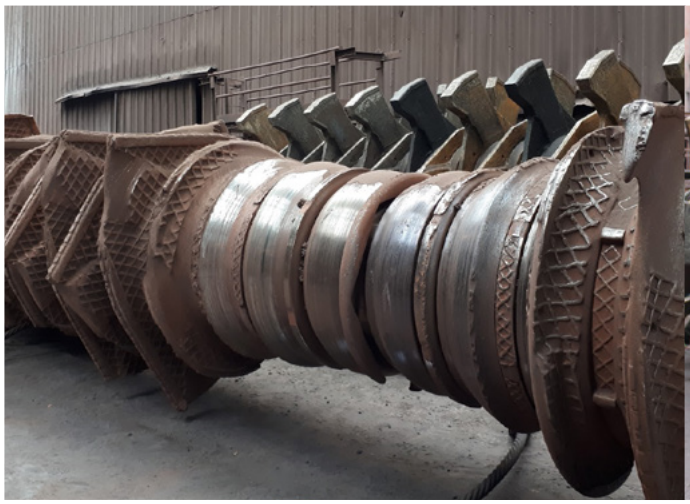
- Superior performance compared to standard solutions
- Easily weldable and re-weldable on site
- Increased resistance to high temperatures, impact and abrasion
- Unique solution
- Over 50 years of experience





Improved Performance

Use of 3D-Carb™ within sinter plants has shown to extend the service life of components by 500%, compared to that of the original components. Clearly distinguishing its superiority. By extending the lifetime of the parts, customers benefit from reduced total cost of ownership and improved productivity. This is thanks to the reduced energy consumption and maintenance requirements.



Before

After

contactus@welding-alloys.com
www.welding-alloys.com