

STEEL REBUILDING AND RESURFACING

Steel rebuilding is a cost effective alternative to purchasing new metal components.

Cliff Industrial delivers expert welding services designed to refurbish and reinforce the metal components used in a variety of industries. These solutions extend the useful life of these components, making them more resistant to wear, corrosion, abrasion and heat.

THERMAL SPRAY WELDING

SHAFT REBUILDING

AND OTHER WELDING REPAIR SERVICES!



REFURBISH OR UPGRADE YOUR METAL COMPONENTS

Resurfacing Improves Performance and Value!

Steel rebuilding, or resurfacing, is a metalworking process in which a welding material is sprayed or fused onto the surface of a metal component to increase its resistance to wear or restore it to its original condition. It is applied to the using a variety techniques that include **ARC, PTA, oxy-acetylene and thermal spray welding**.

Components manufactured from cast iron, stainless and manganese steel, copper based alloys, cobalt based alloys or nickel based alloys can benefit from the overlay of a hardfacing material when they become worn or need to be upgraded.

The type of material applied to your components depends on their composition. Different base metals require different overlays. Whether you need to repair a worn component or want to make one more resistant to damage, **Cliff Industrial knows which material to apply and how to apply it to achieve the required standards.**

Our hardfacing services can improve the performance and extending the useful life of wear rings, boiler tubes, pistons, piston rods, plungers, mill hammers, compressor rotors and many other metal components.

Metal Resurfacing Can Help Your Business

You can rely on Cliff Industrial to provide high quality steel rebuilding services and resurfacing services at competitive prices. We know how much your business depends on having parts that perform to specification. Give us a call and let us show you how Cliff Industrial's hardfacing services can help your business!



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Steel Resurfacing

MACHINE BUILD AND REPAIR

STEEL REBUILDING AND RESURFACING

A Cost Effective Way to Extend the Useful Life of Your Metal Components

Thermal Spray Welding

At Cliff Industrial, we utilize thermal spray metalizing techniques to apply durable, inexpensive coatings to metal parts used in a wide variety of industrial applications.

We have the experience and knowledge with the Flame Spray (Oxy-acetylene) process. Flame Spray is the original thermal spray process. Coating materials can be in either powder or wire form and can be fused to increase bond strengths and coating density.

Cliff Industrial's thermal spraying specializes in in steel materials.



Shaft Rebuilding

Cliff Industrial provides shaft rebuilding and repair as part of its welding services.

Shaft rebuilding is a means of repairing an engine's shaft without having to replace it. The rebuilding process presents special challenges, such as maintaining the proper alignment of the shaft or restoring it to its proper dimensions.

We can repair and rebuild:

- > Cylindrical shafts
- > Rotor shafts
- > Compressor Shafts



Other Hardfacing Services

Cliff Industrial delivers expert fuse hardfacing services designed to refurbish and reinforce the metal components used in a variety of industries. Hardfacing extends the useful life of these components, making them more resistant to wear, corrosion, abrasion and heat.

Cliff Industrial knows which material to apply and how to apply it to achieve the required standards.

Our hardfacing services can improve the performance and extending the useful life of wear rings, boiler tubes, plungers, mill hammers, compressor rotors and many other metal components.



We can also resurface or regrind anvils, rolls and sleeves!

We don't do automotive repairs.

Do you have repair parts coming from overseas to get replaced?

We may be able to repair or build replacements from scratch faster and cheaper!