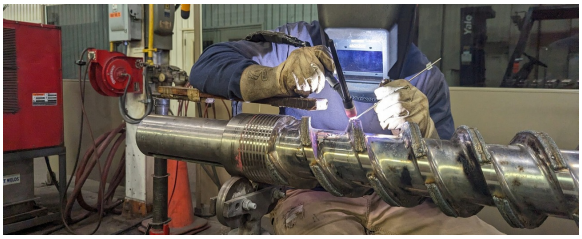
DOWNSTREAM USA 2026

TURNKEY MIXER & AGITATOR REPAIR

One-source reliability for critical chemical processing equipment

REPAIR ENGINEERED FOR CHEMICAL SERVICE

Corrosive chemistries, abrasive media, heat, and continuous operation can degrade mixer shafts, journals, screws, and interfaces. HFW rebuilds around the operating environment, restoring geometry and selecting the machining, coating, or weld-overlay strategy that supports reliable service.



Weld restoration of a mixing screw profile at HFW.

EXAMPLE OF ONE-SOURCE REPAIR WORKFLOW

01 **Inspect**

02 **Engineer**

03 **Weld / hardface**

04 **Machine**

05 **Thermal spray**

06 **Grind / inspect**

CHOOSE THE REPAIR STRATEGY AROUND THE APPLICATION

REPAIR STRATEGY	BEST FIT	KEY CHARACTERISTIC
Machining	Minimal wear; viable base material	Restores geometry
Thermal spray	Corrosion or moderate wear; limited buildup	Minimal heat; mechanical bond
Hardfacing	Heavy wear, impact, corrosion, or profile loss	Higher heat; metallurgical bond

PRECISION AND QUALITY CONTROLS

0.0005"
Typical mixer-shaft tolerance

0.0002" TIR
Achievable when geometry allows

ISO 9001:2015 REGISTERED
Certified team offers full inspection

WHAT HFW CAN REPAIR

FAILURE MODES
Corrosion, abrasion, wear, and profile loss

COMPONENTS
Shafts, journals, screws, paddles, and interfaces

DELIVERY
Planned and emergency rebuilds offered

HFW 512

HFW 512 is a proprietary nickel-based alloy thermal spray material developed for corrosion with some wear. In select chemical-processing applications, it has taken service life from months to years.

ONE-SOURCE RELIABILITY AT HFW

HFW combines manufacturing engineering support, thermal spraying, hardface welding, machining, and precision grinding to serve as a turnkey repair and manufacturing services provider, backed by more than 75 years of industrial experience.

DISCUSS YOUR APPLICATION

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