



One Source for the Chemical Industry

EQUIPMENT MANUFACTURE & REPAIR



HFW INDUSTRIES
INCORPORATED

Chemical Processing
Equipment Capabilities

www.hfwindustries.com



Chemical Processing Capabilities

Downtime. It's an expense no one can afford. When it comes to chemical processing equipment manufacturing and repair, you can count on the experience of HFW Industries to get you back up and running.

One Source

For more than 60 years, HFW Industries has provided manufacturing and repair services to the chemical processing industry. We partner with all levels of the supply chain from capital equipment design teams, to plant maintenance and reliability personnel, to process equipment OEMs.

HFW Industries offers One Source capabilities as a manufacturer of original equipment and rebuilder of machine components using wear and corrosion resistant coatings (**thermal spraying using HVOF, plasma spray, metallize, Rokide™, and spray weld, or hardfacing weld overlays via PTA, Sub Arc, Arc, TIG, or MIG**). We complement these services with precision machining, precision finishing, and assembly for the chemical processing industry.

Whether you are looking for new equipment as part of a long-term capital project or need an emergency repair to keep your process running, HFW can respond quickly to meet your needs. No need to deal with multiple vendors. No blurred lines of responsibility. Just the highest level of quality and reliability available.

HFW Industries can provide:

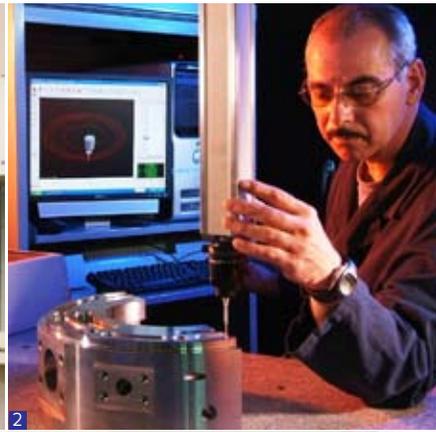
- One Source service with chemical processing equipment experience since 1947
- Manufacturing services (machining, finishing, assembly, etc.)
- Rebuild machinery and extend component service life by incorporating thermal spray coatings & hardfacing technology

Quality Assured

Whether we are manufacturing original equipment or reconditioning components to OEM specifications, quality is our priority. Our climate controlled inspection laboratory allows us to measure tight tolerances which include T.I.R. of .0002" on certain components and assemblies. Working alongside our team of manufacturing engineers and skilled tradesmen is our Quality Control personnel monitoring and measuring every job at each operation to ensure the final product meets or exceeds the required specification. HFW is **ISO 9001:2008** registered which assists us in our drive for continuous improvement.



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- ◀ OPPOSITE PAGE
1. PTA HARDFACING
 2. DYNAMIC BALANCING
 3. PLASMA THERMAL SPRAYING
 4. CNC TURNING

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1. CNC MACHINING
 2. COORDINATE MEASURING MACHINE INSPECTION
 3. ID GRINDING
 4. CNC TURNING

Applications

With over 60 years chemical processing industry experience, HFW Industries has become recognized as a leader in the integration of high performance surface enhancements with state-of-the-art manufacturing technology. In many areas of the industry, we combine **Thermal Spray Coatings** and **Weld Overlays** with our **Machining, Precision Grinding** and **Assembly** capabilities that provide cost effective solutions to common operating problems such as abrasion, wear, loss of profile, erosion and corrosion.

Typical applications include, but are not limited to...

- Capital Equipment
- Valve Repair
 - Valve Guides
 - Valve Bodies & Stems
 - Gate Valves
 - Diverter Valves
- Piping
- Rolls- Manufacture and Repair
 - Feed Rolls
 - Idler Rolls
 - Godet Rolls
 - Calendar Rolls
 - Nip Rolls
 - Steam Rolls
 - Dryer Rolls

- Gear Boxes- Repair
- Feed Screws and Segments
- Mixer Components- Manufacture & Repair
 - Paddles (Hastelloy/ Stellite/ Stainless Steel)
 - Shafts
 - Shaft Sleeves
 - Misc. Components
- Shafts- Manufacture & Repair
 - Reactor Shafts
 - Pump Shafts
 - Agitator Shafts and Assemblies
- Bearing and Seal Housings
- Pump Housing/ Component- Repair
- Centrifuge Components Manufacture & Repair
 - Screws
 - Barrels/ Bowls
 - Bowl Ends/ Flanges
 - Misc. Components

Why HFW?

By taking advantage of our One Source service capability, our customers are able to **save money, reduce lead times** and **keep the production line up and running**. Whether you have an assembly that requires manufacturing, need a process component restored to OEM specification or require a partner to devise a new thermal spray coating that enhances your process, HFW has the proven experience to handle the job.

For additional technical data on HFW manufacturing and repair capabilities, please email us at sales@hfwindustries.com or call 716.875.3380 to discuss how we can work together to reduce the costs and lead times of your manufacturing and repair requirements.

Call us today at **716.875.3380**
or visit **hfwindustries.com** for more information.

Capability Overview

PRECISION MACHINING

Lathes: To 50" Diameter X 312" Long /
54" Diameter x 160" Long
CNC Lathes: To 40" Diameter x 200" Long
Milling – CNC: To 55" x 67" Rotary Table
Conventional: To 62" x 68" Rotary Table

THERMAL SPRAYING

Plasma
HVOF
Wire Metallize
Six Axis Robot / Automated Positioning

PRECISION FINISHING

Cylindrical Grinding: 24" Diameter x 26' Long
Internal Grinding: To 36" x 18" Stroke
Surface Grinding: 12" x 24" Table
Super Finishing: 36" Diameter x 26' Long

WELDING/HARDSURFACING

Plasma Transferred Arc
MIG – TIG – Arc – Sub Arc

ASSEMBLY DEPARTMENT

General Assembly Tooling & Equipment
Brush Plating
Dynamic Balancing

INSPECTION / LABORATORY

Coordinate Measuring System
Measuring Equipment to 60" OD / 60" ID
Surface Finish, Hardness, Ultrasonic Testing
Metallography Laboratory



► From Left:

1. CNC MILLING
2. LARGE DIAMETER/O.A.L. MACHINING
3. CLIMATE CONTROLLED QUALITY INSPECTION

