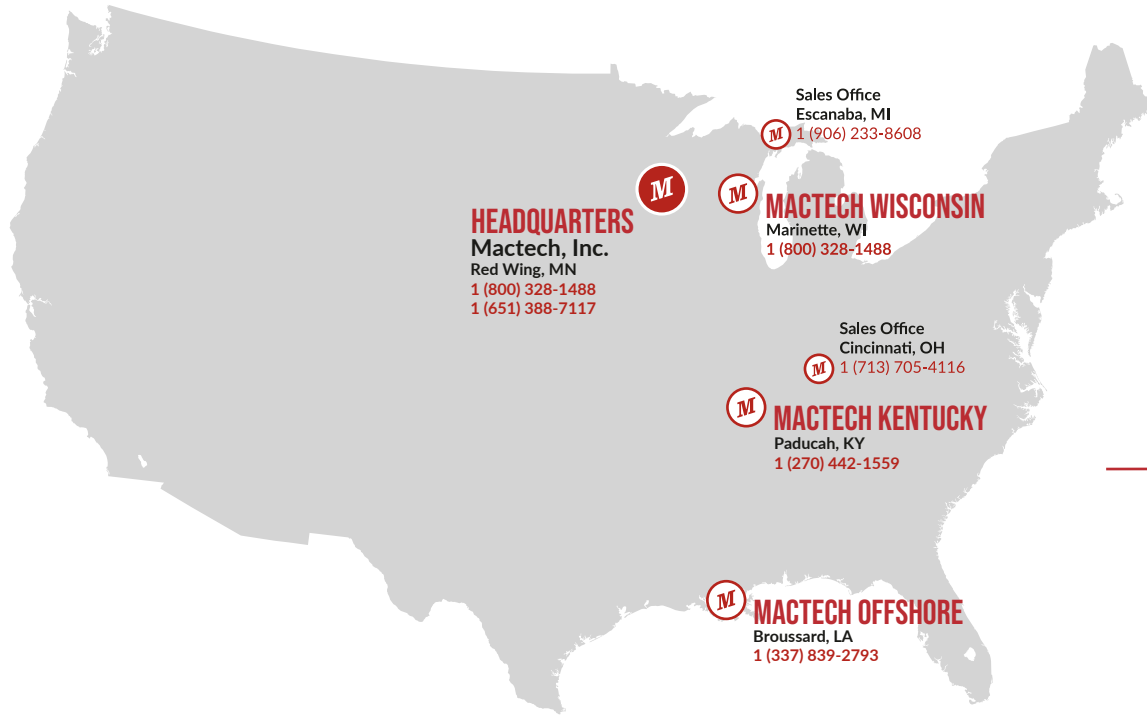


MACTECH

PRODUCTS AND SERVICES OVERVIEW

MACTECHONSITE.COM



HEADQUARTERS
Mactech, Inc.
Red Wing, MN
1 (800) 328-1488
1 (651) 388-7117

Sales Office
Escanaba, MI
1 (906) 233-8608

MACTECH WISCONSIN
Marinette, WI
1 (800) 328-1488

Sales Office
Cincinnati, OH
1 (713) 705-4116

MACTECH KENTUCKY
Paducah, KY
1 (270) 442-1559

MACTECH OFFSHORE
Broussard, LA
1 (337) 839-2793



WORLDWIDE SUPPLIERS AND SERVICE

*Mactech proudly has representation
across the globe.*

*For more information on connecting
with your nearest sales agent,
contact us at:*

info@mactechonsite.com

1 (651) 388-7117

MACTECH

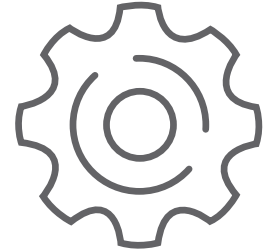
FOUNDED IN 1974

STRATEGICALLY LOCATED THROUGHOUT THE U.S.

- ▶ Full time employed technicians
- ▶ Full time engineering staff
- ▶ 500+ On-Site machine tools
- ▶ 6 Faro Tracker laser stations
- ▶ In-house production of equipment and tooling
- ▶ Around the clock manufacturing capability
- ▶ Sales, Rental, and Service



40+ TECHNICIANS



500+ MACHINE TOOLS

WORK HARD • WORK SAFE • WE BEFORE ME • WELCOME CHALLENGES • WOW THEM

MACTECH PROVEN PROCESS

WITH 50 YEARS OF EXPERIENCE IN THE FIELD MACHINING SERVICE INDUSTRY, WE CREATED THESE SIX STEPS TO ENSURE A SUCCESSFUL EXECUTION FROM START TO FINISH

1. Define the scope of the project clearly
2. Create a best-value plan for the projects completion
3. Communicate and confirm the recommendation
4. Schedule and coordinate all required resources
5. Execute the plan and be ready to adapt with open communication through completion
6. Continuous improvement review

WHAT MAKES MACTECH OFFSHORE UNIQUE?



EXCEPTIONAL PEOPLE AND EQUIPMENT



PASSIONATE CUSTOMER COMMITMENT

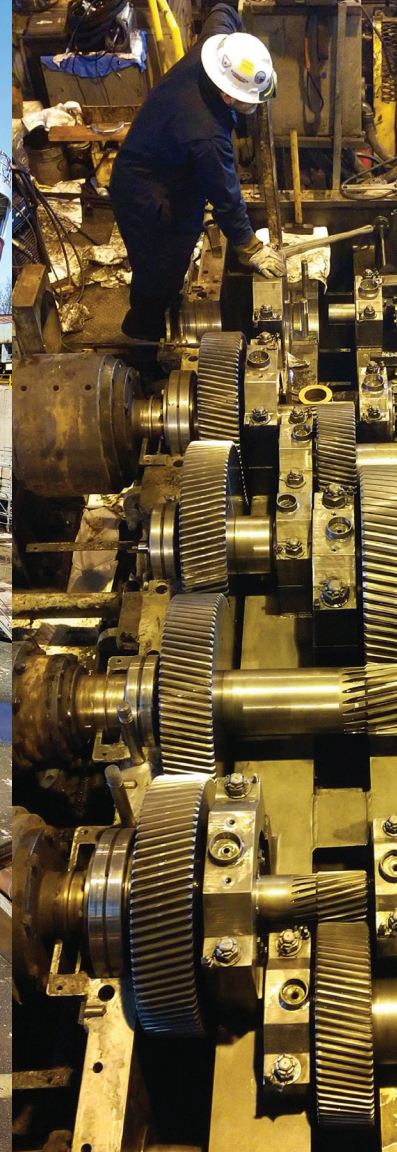


EXPERTISE FROM EXPERIENCE

PRECISION MACHINE WORK **CAN'T BE BROUGHT TO THE SHOP?** **WE'LL BRING THE SHOP TO THE SITE**

Limiting factors requiring field work:

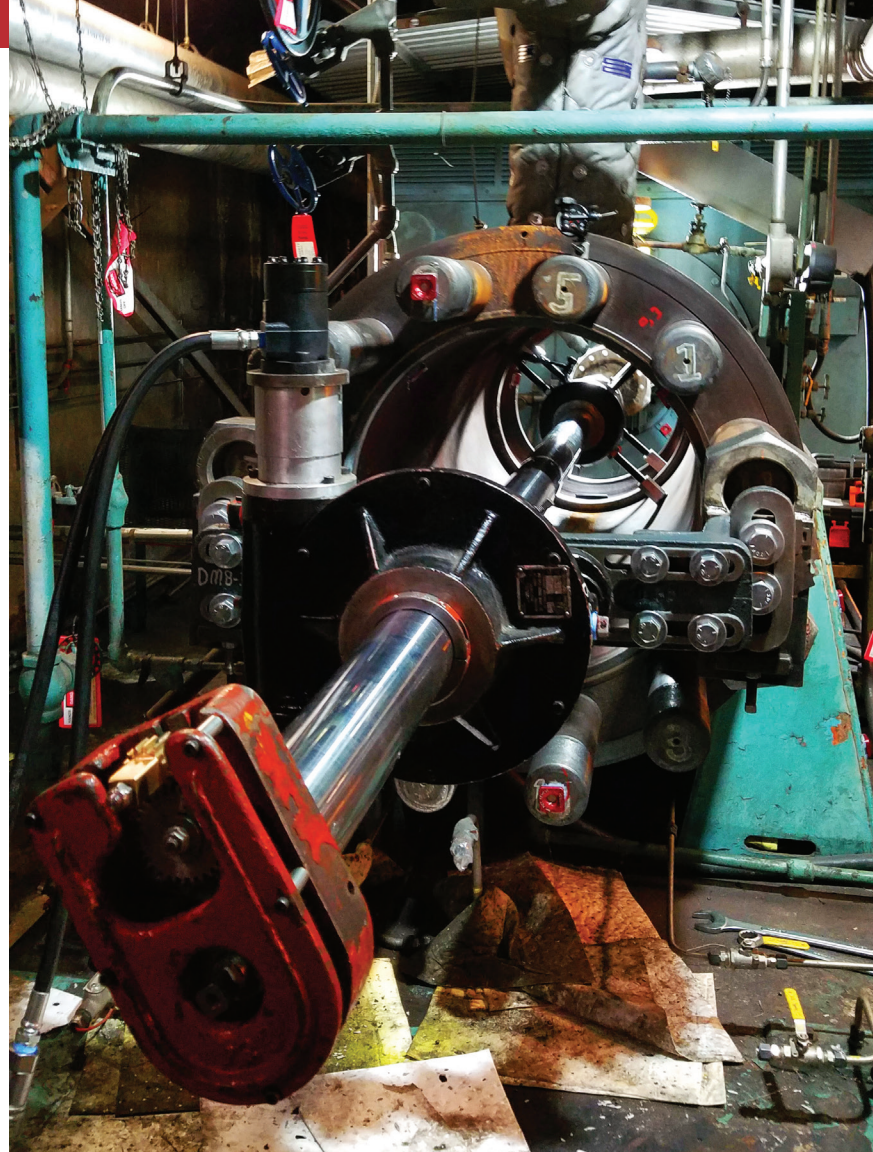
- ▶ Too big
- ▶ Welded or set in place
- ▶ Time constraints



PORTABLE LINE BORING EQUIPMENT

Makes on-site boring operations much faster and easier.

- ▶ Huge fleet of line boring equipment
- ▶ Broad range of size coverage
- ▶ 1" to 100" boring bars up to 24' long
- ▶ Wide range of accessories
- ▶ Bore welding add-on



PORTABLE LATHES & PIPE CUTTING

Lathes designed for minimal clearance requirements and easy installation.

- ▶ Clamshell, shaft, & end-prep lathes
- ▶ OD, ID, and End Mounting
- ▶ Cut and bevel up to 110" OD
- ▶ Versatile attachments



ID MILLING MACHINE

Reliably cuts casings, pilings, and other pipes / tubes from the inside diameter.

- ▶ Sever capabilities from 18" - 60"
- ▶ No external dredging or digging
- ▶ Easily cuts below the mud-line
- ▶ Self-centering mechanism



DIAMOND WIRE SAWS

For surface and underwater cutting of almost any material.

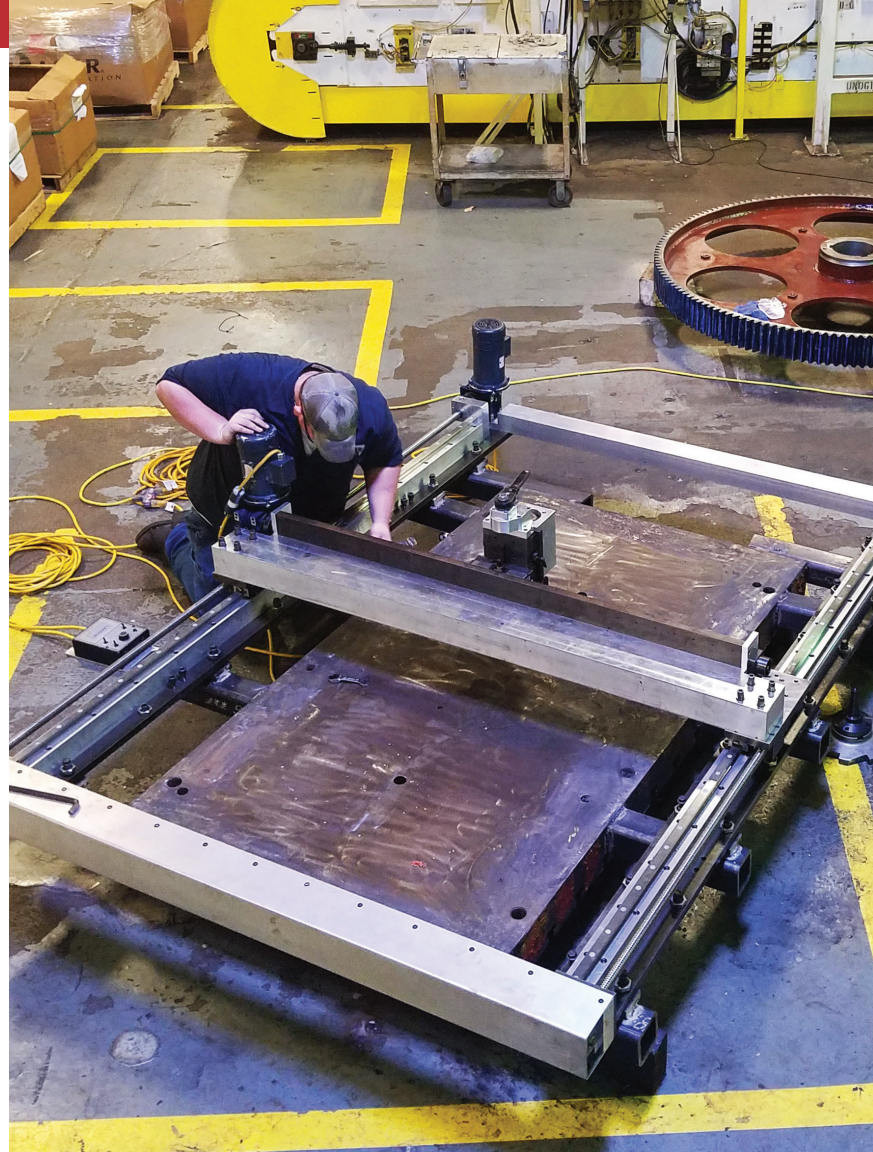
- ▶ Cutoff / Inline / Articulating
- ▶ Cutting range of 4" to 120"
- ▶ ROV Compatible
- ▶ Automatic feed options



PORTABLE MILLING EQUIPMENT

The precision mill-work of a machine shop brought to your job site.

- ▶ Rail, boring, and gantry mills
- ▶ Curved or flat Surfaces
- ▶ Infinitely variable power feed
- ▶ Travel lengths available up to 120"



FLANGE FACERS

Quality flange machining for perfect sealing surfaces.

- ▶ Ring type joint
- ▶ Elliptical manways
- ▶ 20 foot maximum diameter
- ▶ Milling or single point turning for grooved surface



PORTABLE INDUSTRIAL DRILLING

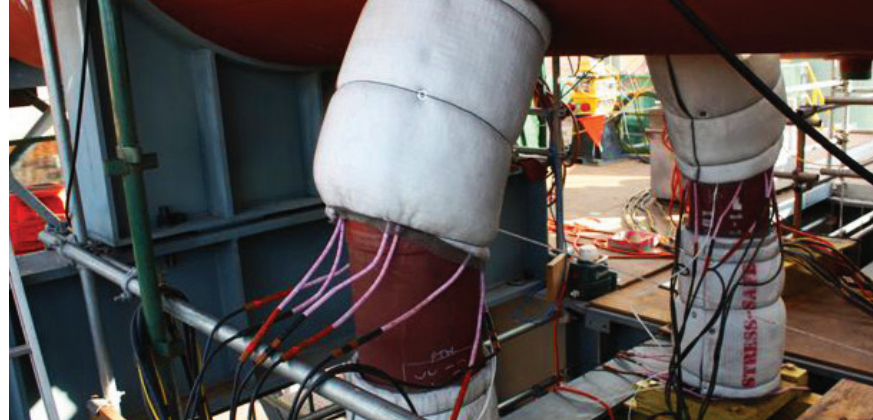
- ▶ Electric and earth magnetic mounting options
- ▶ Broad range of sizes and capabilities
- ▶ Extensive fixtures and tooling
- ▶ Drilling and boring
- ▶ Power feed
- ▶ Stud removal



STRESS RELIEVING EQUIPMENT

Everything you need for preheat, PWHT and temperature tracking.

- ▶ Remote Access Capabilities
Automatic Heat Ramping
- ▶ Temperature Controllers
- ▶ Data Loggers
- ▶ Zap Guns
- ▶ Heat Pads



INTEGRATED LASER METROLOGY MEASUREMENT & MACHINING

- ▶ Faster than conventional measuring
- ▶ Tracks material removed
- ▶ Extremely accurate
- ▶ GPS of on-site Machining



PIPE END MEASUREMENT SYSTEM

Precision pipe end measurement delivers the data you need for fast, decisive action.

- ▶ Measures 56" OD to 4.2" ID pipe
- ▶ Measure OD and ID simultaneously
- ▶ 1,300 laser-point dimensions in just 50 seconds
- ▶ Proprietary Software
- ▶ Quick Setup



INDUSTRIES WE KNOW

POWER GENERATION

Machine split line on turbine casting

Seal faces on large boiler feed pump

Re-face manhole covers

Stoker shaft repair

Heat exchanger repair

Nuclear fuel pool pads

Turbine coupling boring

Valve repair

Machine rotor journal

Mill steam dam keyway

Re-face main steam inlet flange

Machine turbine facing plates

Line bore wicket gate bushing

Bore bearing assembly

Bore BWR thermal sleeves

Machine shroud

Machine fan shafts

Machine mount pads

Mill turbine shaft radius slots

Bevel boiler tubes

CONSTRUCTION

Line bore bucket & articulating joint

Bore loader-arm pin hole

Line bore tilt-bed trailer hinge point

Bore axle sleeve

Bore bearing seat

Machine crankshaft keyway

Mill gearbox housing

Line bore alignment pinholes

Machine tapered shaft keyway

Pipe beveling



RAILWAY

Railway truck maintenance

Machine rail car for piggyback

Machine rail joint surfaces

Machine & repair out-of-round crank pin

Bore engine block, cam, crank bearing

Machine tank car flange cover



PETROCHEMICAL

Frame weldment restoration

Mill motor mounts and base plates

Machine refining tower flange

Mill heat exchanger tube bundles

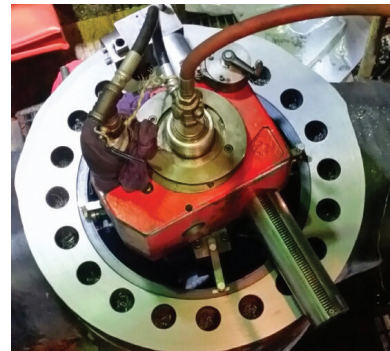
Mill heat exchanger face sealing area

Machine Flanges

Valve repair

Machine valet bonnet

RTJ for high pressure steam valves



INDUSTRIES WE KNOW

MINING

Bore dragline housing

Bore cable reel drum

Machine kilns, tires, and trunnions

Bore Kingpin

Bore large diameter bearing & thrust ring

Machine ball mill

Machine large diameter bearing journal

Machine pump shaft keyway

Motor and pump repair



SHIP BUILDING AND REPAIR

Machine heat exchanger

Machine manway seal

Machine anchor winch mount

Bore rudder pin

Bore stern tube

Valve repair

Machine crane base

Machine motor and generator pad



MILITARY

Machine Navy vessel hatch cover

Machine deck winch mounting base

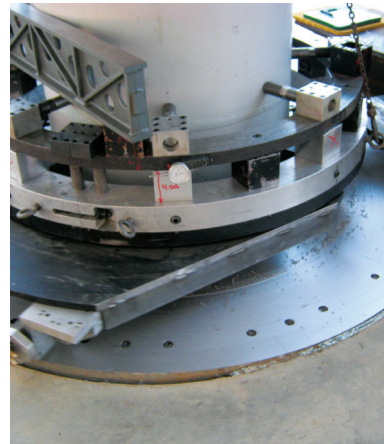
Machine elevator rail track

Machine gun mount

Machine handhole and manway

Machine sliding door & catapult way

Machine turbine condenser flange



PULP AND PAPER

Machine journal drum seal

Machine chlorine washer packing sleeve

Machine thick stock washers

Cut dryer drum journals

Chipper and conveyor repair

Machine paper machine sole plate



INDUSTRIES WE KNOW

WASTEWATER

Machine sludge drum journal and seal

Mill mounting base

Machine clarifier

Machine aerator

Machine centrifuge

Machine pump shaft keyway

Machine valves and pumps

Pipe beveling



OFFSHORE CUTTING

Offshore decommissioning

Subsea Cutting

Bridge pile removal

Slot recovery

Large diameter cutting



BRIDGE BUILDING AND REPAIR

Machine pulley journal

Mill stress-relieved slot

Bore pin hole

Machine Pad



STEEL INDUSTRY

Machine gearbox on rolling mill

Machine mill stand window

Mill tie bars

Machine bearing pocket

Machine motor keyway

Line bore gearbox

Machine bag house fan shaft



RENT FROM MACTECH



COST EFFECTIVE

Renting is less capital intensive than a full product purchase



HANDS-ON EXPERIENCE

Your team gets a chance to handle the equipment before making a purchase decision



FLEET MAINTENANCE

You have access to a fleet of products that are maintained and ready to go

WE HAVE AN EXTENSIVE FLEET OF RENTAL MACHINES AVAILABLE:

- ▶ 200+ Clamshell pipe cutting machines 2"-110"
- ▶ 40+ Diamond Wire Saws
- ▶ 100+ Portable Drills - up to morse #5 taper
- ▶ 25+ Flange facing machines 1" - 240"
- ▶ 10 Shaft lathes 1"-24"
- ▶ 30+ Line boring machines 3/4" - 10" diameter
- ▶ 40+ Heat treating consoles 500/1000/1500amp units
- ▶ 50+ Portable milling machines - XYZ, gantry, boring

For more information on rentals, contact us at:

info@mactechonsite.com

1 (800) 328-1488

AT MACTECH:

Our equipment is maintained by...

Our machines are packed and tooled by...

Our project recommendations are supported by...

Our new product design input is collected by...

Our gear is tested and proven by...

EXPERIENCED FIELD MACHINING TECHNICIANS

Let's work together

We are your strategic field machining partner



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