

# MACTECH

**PRODUCTS AND SERVICES OVERVIEW**

**MACTECHONSITE.COM**



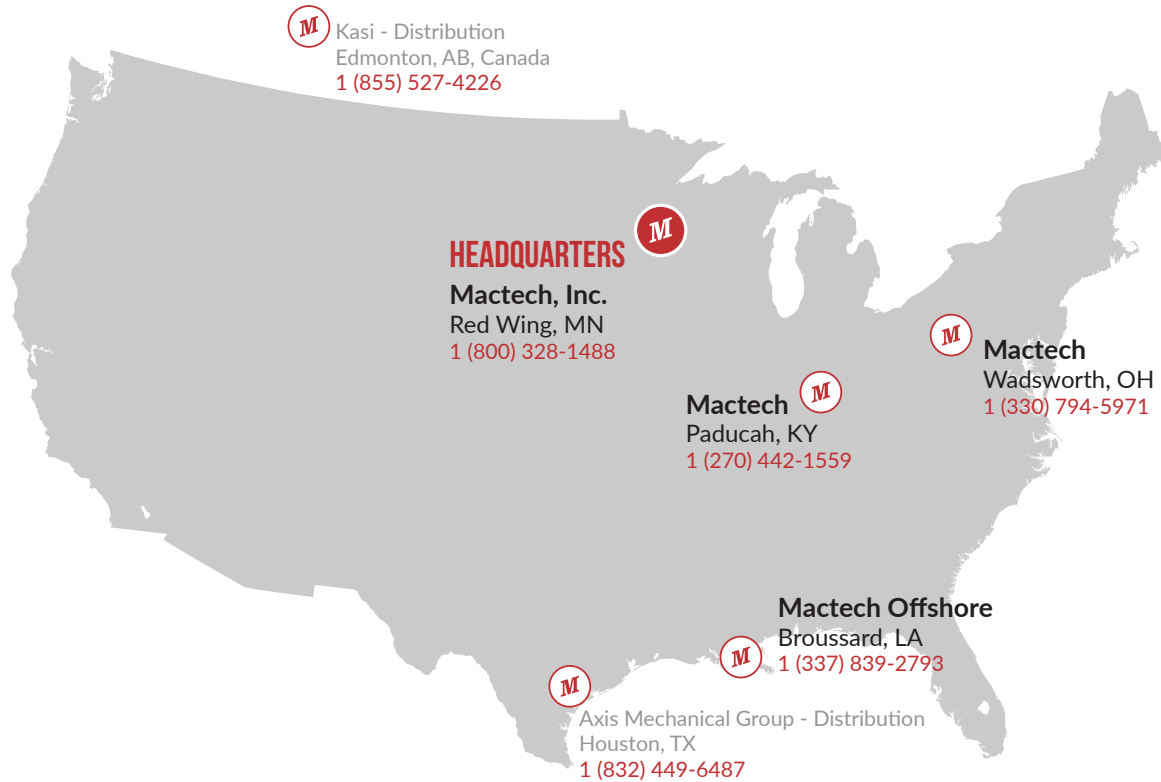
**WORLDWIDE SUPPLIERS AND SERVICE**

*Mactech proudly has representation  
across the globe.*

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

*[info@mactechonsite.com](mailto:info@mactechonsite.com)*

*1 (651) 388-7117*





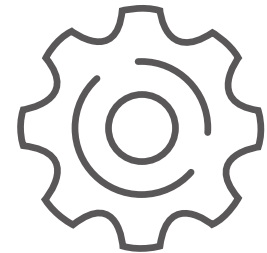
**FOUNDED IN 1974**

**STRATEGICALLY LOCATED THROUGHOUT THE U.S.**

- ▶ 40 Full time technicians
- ▶ 6 Full time engineering staff
- ▶ 500+ On-Site machine tools
- ▶ 4 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**

# MACTECH PROVEN PROCESS

**WITH OVER 45 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 UNIQUE?



**EXCEPTIONAL PEOPLE AND EQUIPMENT**



**PASSIONATE CUSTOMER COMMITMENT**



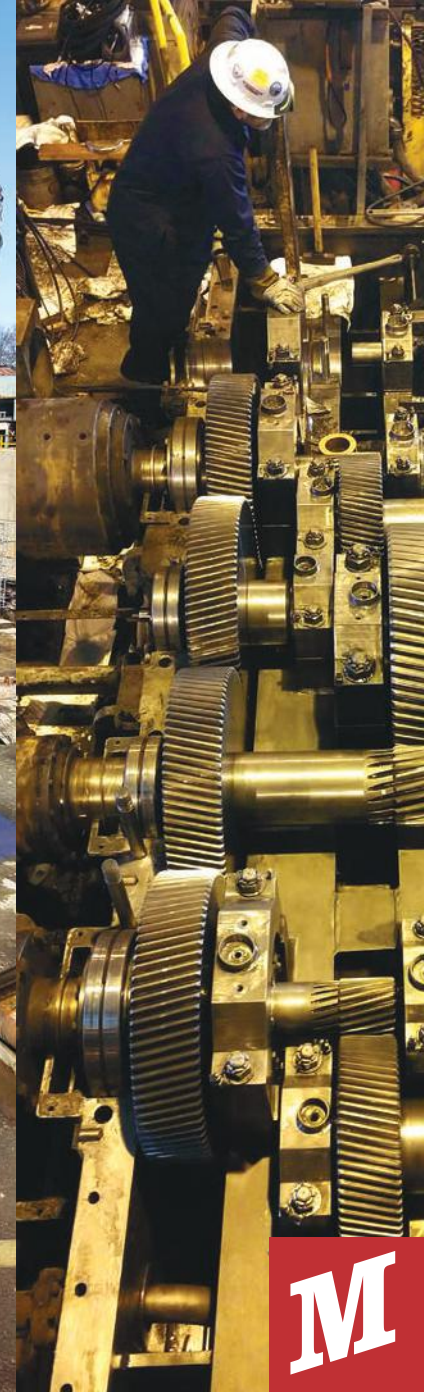
**EXPERTISE FROM EXPERIENCE**

## PRECISION MACHINE WORK

CAN'T BE BROUGHT TO THE SHOP?  
WE'LL BRING THE SHOP TO THE SITE

Limiting factors requiring field work

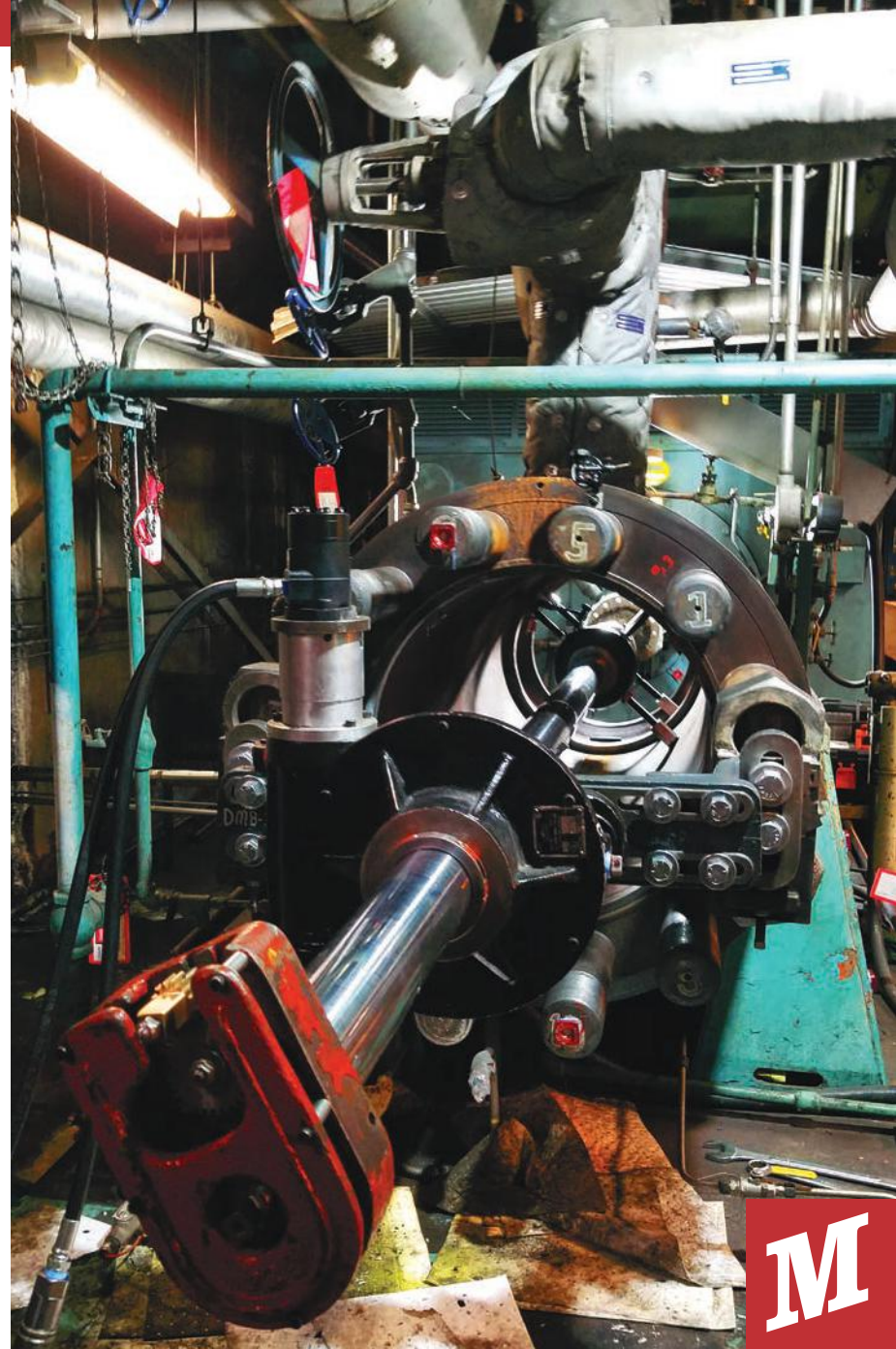
- ▶ Too big
- ▶ Welded or set in place
- ▶ Time constraints



## **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 up to 24 feet
- ▶ Wide range of accessories
- ▶ Bore welding add-on



## PORTABLE LATHES & PIPE CUTTING

Lathes designed for minimal clearance requirements and easy installation

- ▶ Clamshell, shaft and 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 mudline
- ▶ Self-centering mechanism





## DIAMOND WIRE SAWS

For surface and underwater cutting of almost any material

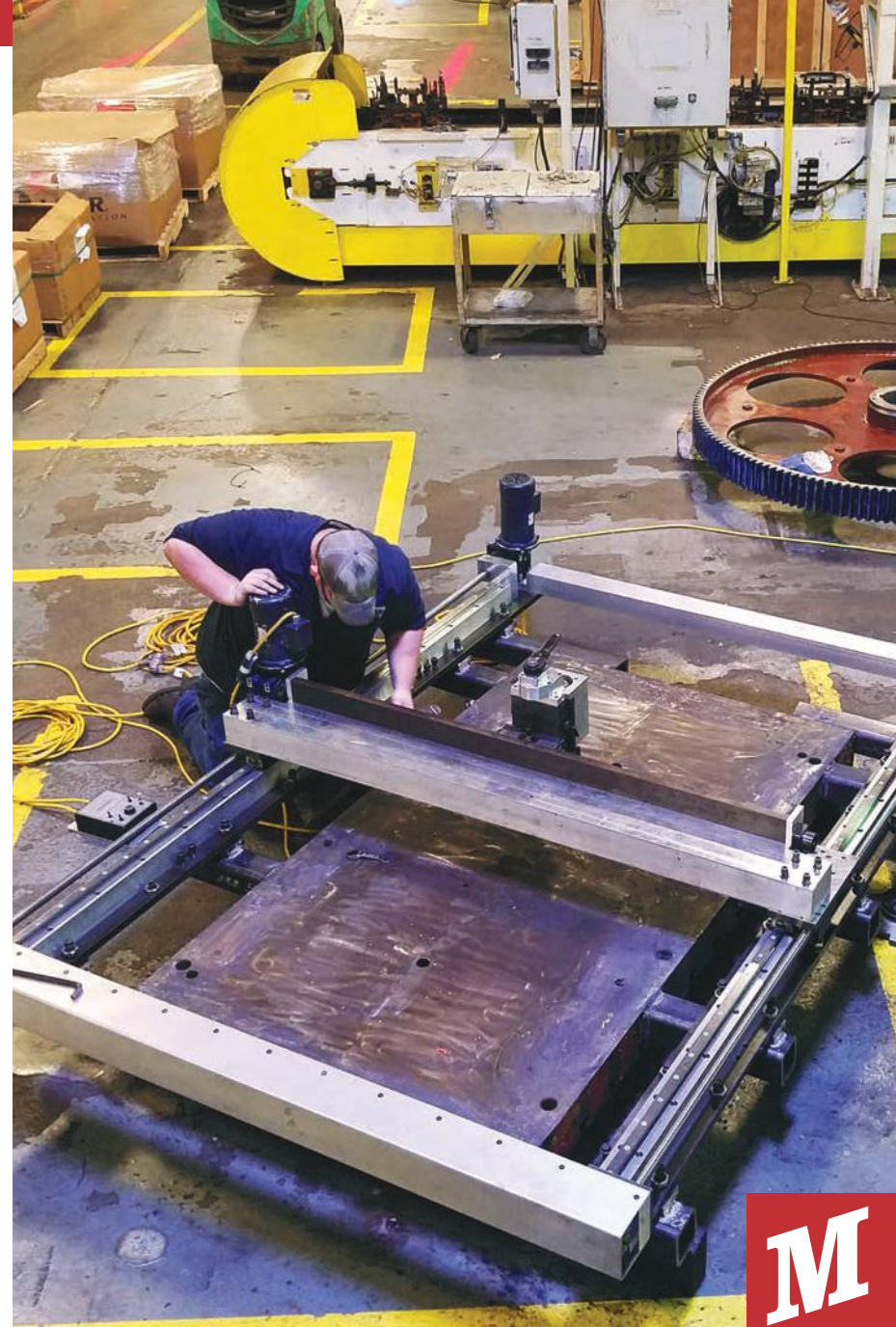
- ▶ Cutoff / Inline / Articulating
- ▶ Cutting range of 4" to 120"
- ▶ ROV Compatible
- ▶ Automatic feed options



## 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



## INTEGRATED **LASER** METROLOGY ( MEASUREMENT ) & MACHINING

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



## 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



# RENT FROM MACTECH

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## **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"
- ▶ 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](mailto:info@mactechonsite.com)*

*1 (800) 328-1488*

# 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

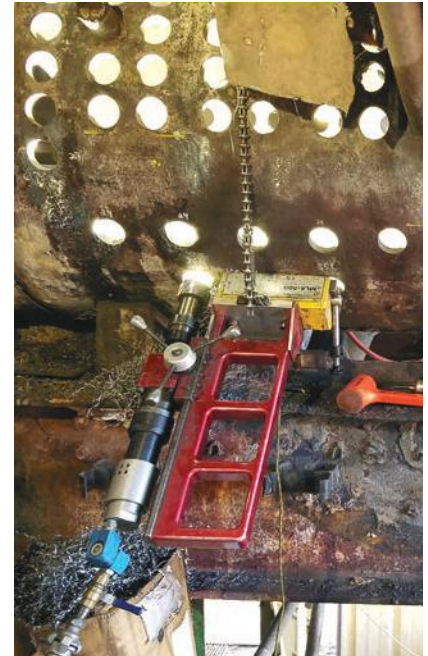
Machine chlorine washer packing sleeve

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



## 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*

# MI





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