



# Decommissioning



**Mactech**  
(EUROPE) LIMITED

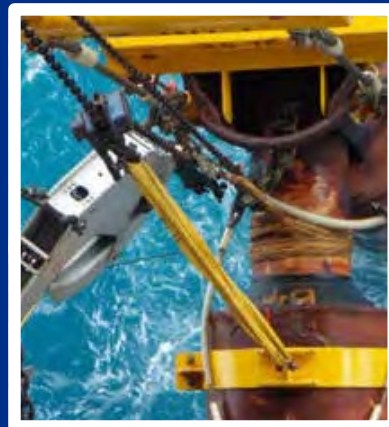
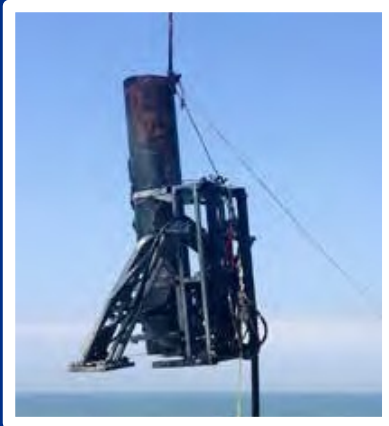
# Why Choose Mactech Offshore?



- Mactech Makes A Total And Commitment To Safe Working Practices, Both In Equipment Design And Services Performed
  - Focus On Producing The Best Cut Times In The Offshore Industry
  - Emphasis On Reliability And Consistency In DWS Design To Produce Full Thru-Cuts On Pipe Section, Giving Operators Confidence And Confirmation In Cuts
  - Tools, Procedures And Problem-Solving Techniques Incorporate Hands-on Technician Input And Experience
  - Best Practices Approach Under Continual Scrutiny And Revision
  - OEM In-House Product Development Breeds Innovation
  - Providing Solutions For Complicated Technical Problems
  - Broad And Deep Range Of Offshore Equipment And Assets On-site
  - “A” Safety Rating On ISN
  - Made In The USA
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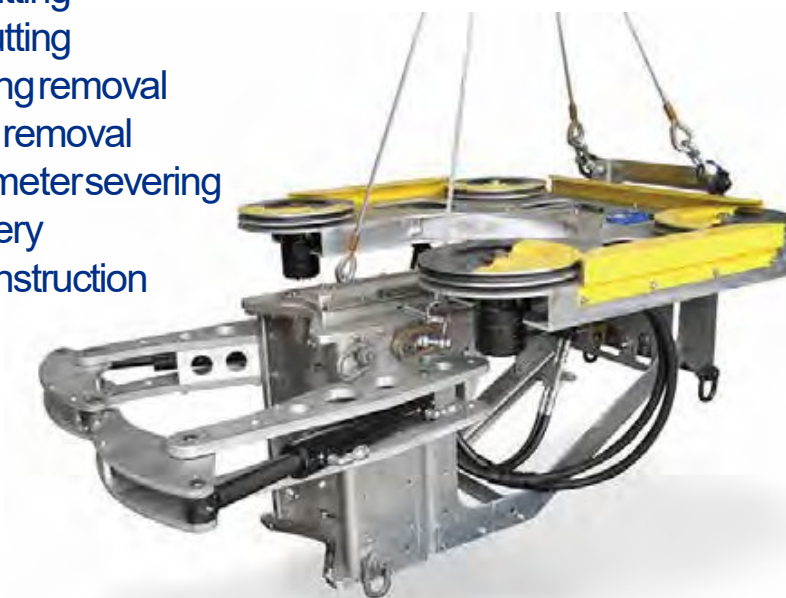
# Diamond Wire Saws

Mactech Offshore offers a wide selection of Diamond Wire Saws for Subsea and Topside cutting of a variety of materials and in challenging environments. Cutting range from 4" up to a 120".

Diamond Wire Saws are ideal for cutting multi-string casing or heavy wall legs and cross members.

## Applications include:

- Offshore decommissioning
- Subsea cutting
- Topside cutting
- Bridge piling removal
- Well head removal
- Large diameter severing
- Slot recovery
- Marine construction





# Dual Pin Drill

## Capabilities

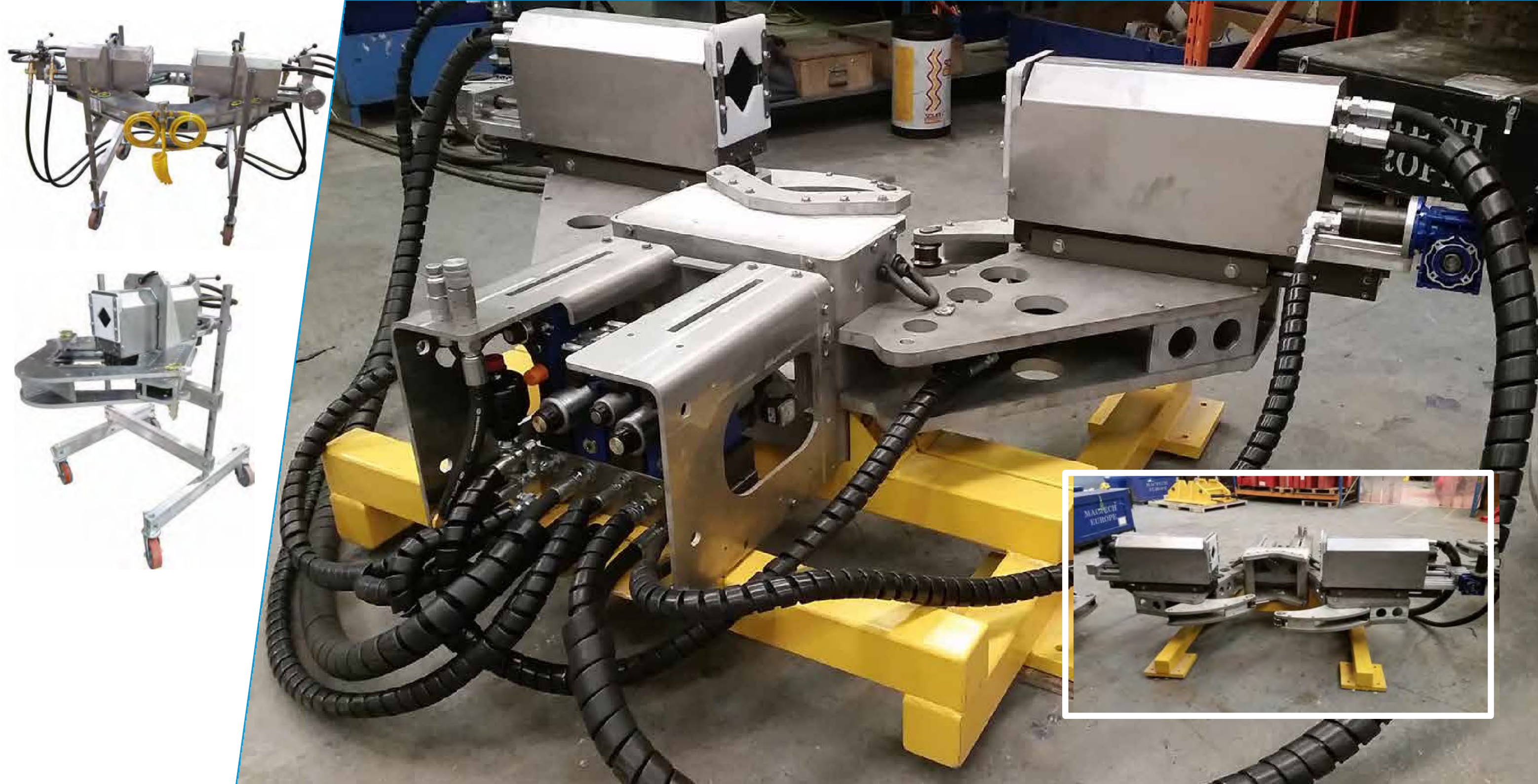
- Single Pin Drill: 6 to 18 inch diameter casing, single-side drilling operation.
- Dual Pin Drill: 16 to 36 inch diameter casing, two aligned pin holes per operation.

## Drives

Two hydraulic drill motor options are included with the Dual Pin Drill. High-strength stainless steel spindle accepts standard 1-1/4 – 7 threaded hole saws.

- Option 1: 8.8 in<sup>3</sup>, 394 rpm max, 196 ft-lbs continuous torque. Typically used for applications where higher speed and lower torque are required.
- Option 2: 22.7 in<sup>3</sup>, 153 rpm max, 390 ft-lbs continuous torque. Typically used for heavy cutting applications, where higher torque and lower speed are required.

A thru-spindle coolant system flushes cuttings and extends tool life. The right-angle gearbox safely keeps the operator clear of the drilling operation.






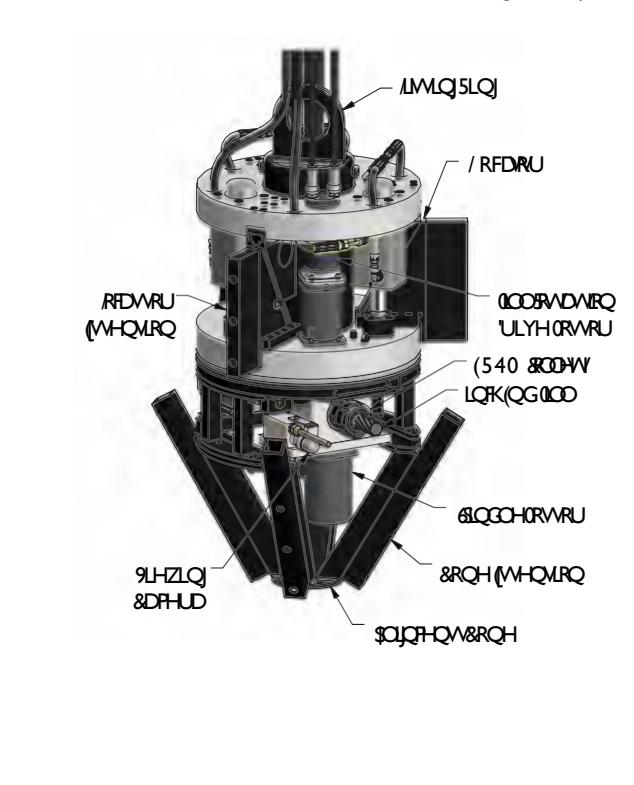
# ID Milling Machine

Mactech's new and innovative ID Milling Machine reliably cuts casing, pilings and other round, hollow tube from the inside diameter.

Cutting below the mudline (BML) is made safe and efficient with this unique tool. No external dredging or digging is required. Simply lower the ID Milling Machine into the tube, activate the self-centering mechanism and begin your cut. Self centering locators assure accurate and secure placement in the pipe. Mactech's unique ID Pipe Sever Machine can be your solution to limited access, round tube severing applications.

## Features:

- Cold cut pilings and casings below the mud line, no external dredging or digging required.
  - Compact, easy to handle design.
  - Available from 18 inch to 60 inch diameter pipe.
  - Self-centering makes set-up quick and easy.
  - Uses standard 1 inch end mill.
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# Dual Magnet Drill

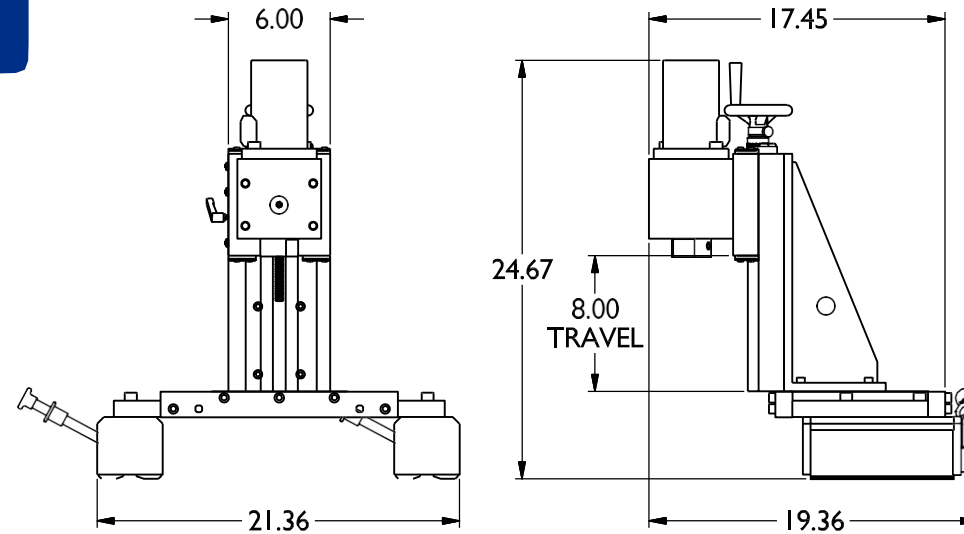
The Mactech Dual Magnet Drill has the power and portability for drilling large rigging and vent holes in casing, structure and decks.

The precision slide and bracket assembly provides an extremely rigid platform for the most demanding drilling jobs. The powerful motor can easily cut through the toughest casing and aggregate. Super strong rare earth magnets provide a secure and stable base that can be mounted on any ferrous surface.

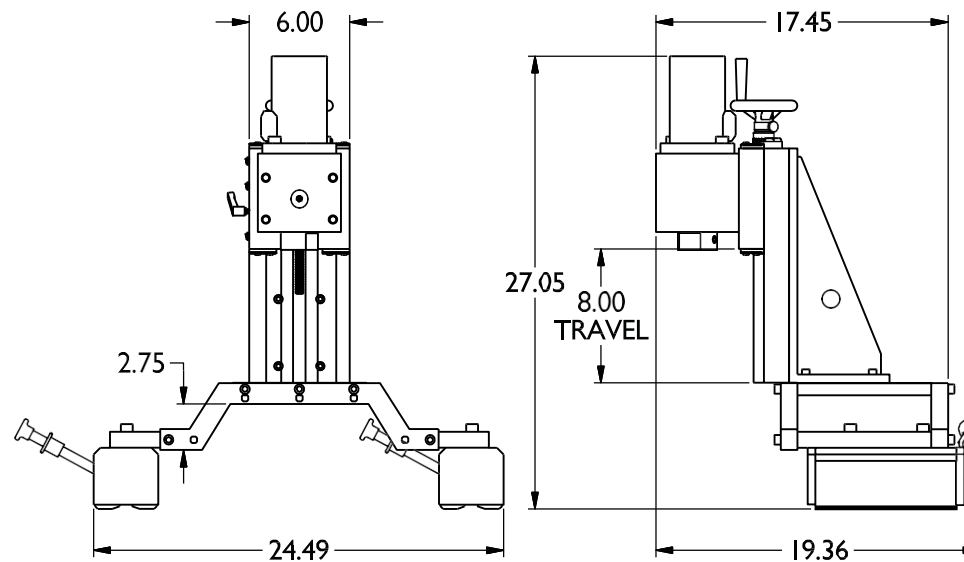
## Features:

- Drills up to 8 inch holes through the toughest materials
- Hydraulic or pneumatic power
- Uses standard drill bits, hole saws and end mills
- Strong rare earth magnets attach to any ferrous surface
- Standard 1 inch straight quill
- Mounting

Dual Magnet Drill with Hydraulic Motor



with Flat Mounting Bar



with Raised Mounting Bar

# MT30 Rack Drill

Mactech's MT30 Portable Rack Drill is a versatile and easy to use drill for on-site drilling.

## Features:

- Powerful air, hydraulic or electric motors drill quickly through the toughest materials
- Portable, compact and lightweight design makes drilling in hard to reach spaces easy.
- Optional magnetic attachment base mounts securely to flat or round ferrous surfaces
- Optional hanger bracket for quick and secure placement and drilling on pipe or structure
- Wide variety of bits, tool holders and motors are available





# Linear 3 Axis Mill

The Mactech MTE Portable Milling Machine range is a 3-axis, linear rail portable mill, capable of close tolerance milling, drilling, boring, and many other on-site milling operations.

It is ideal for large area repair work where dismantling is not possible or practical. The MTE Portable Mill can be welded, clamped, bolted or magnetically attached directly onto the workpiece in any orientation. The cross travel beam can be positioned at along the cross travel beam so that the milling head can be inboard or outboard of the long travel beam. The milling head itself can be rotated through 90° increments. The MTE Portable Mill is available in various lengths from 36 to 120 inches.

## Technical Specification:

- Milling Head Motor : Hydraulic, Electric or Pneumatic
- Milling Head Speed : Up to 1000 rpm
- Milling Head Toolholder 40 Int. Taper
- BiDirectional Electric Travel Feed 110V
- Long Travel: 1950mm
- Cross Travel: 4200mm Max. (depending on cutter diameter) Other cross travels are available as options
- Vertical Travel of Milling Head 120mm Hand feed with digital readout



# Portable Rail Mill

Mactech's line of Portable Rail Mills are suitable for pipe or vessel window cutting, base and motor pad milling and deck cutting in subsea or topside applications.

Mactech's Portable Rail Mills come in a selection of lengths to provide you with uninterrupted axial cutting, or we can design a custom length for your application. The universal One Key Mill Head allows tooling to be easily interchanged with a Mactech drill or Roto-Mill. Our powerful rare earth magnet attachments make installation to flat, round or tapered surfaces quick and easy. The Portable Rail Mill is a versatile, dependable and powerful unit capable of close tolerance machining for your subsea or topside applications.

## Mactech Portable Rail Mill Models:

- 48 inch Manual and Hydraulic Feed
- 72 inch Manual and Hydraulic Feed
- 96 inch Manual and Hydraulic Feed

Custom lengths and configurations available by request.





# Gantry Mill

Mactech presents the newly designed Gantry Mill. This powerful mill can easily cut large openings in submerged decks, crew quarters or any structure for rigging or access holes.

Fast set-up and fewer adjustments for each operation mean the Gantry Mill will save you time and money. True 3-axis movement can cut almost any shape or pattern desired.

The modular design can be custom designed and configured for a variety of sizes and configurations. Variable speed feed control allows full control of speed and direction of your milling operations.

## Features:

- Fast set-up, fewer adjustments per operation
- Compatible with standard hydraulic systems
- Custom configurations available
- Powerful hydraulic motor cuts through the toughest materials
- Attaches quickly with clamp base or magnetic mounts





# Clamshell Portable Lathes

Mactech's Clamshell lathes are portable pipe cutting machines for subsea and topside precision cutting and bevelling of all pipe sizes, schedules and materials.

Our line covers a wide range of pipe sizes from 2" to 110" OD and are designed so that minimal radial and axial clearance is required for easy installation on in-line closed loop pipe. Mactech lathes are the most rigid in the industry, and act as drive for a number of precision accessories for counterboring, OD turning and facing.



## LC clamshell series machines from 2 inch to 16 inch diameter

The LC (Low Clearance) series is designed to fit into tight working areas as well as minimize machine weight. These clamshells are lightweight, but retain rigidity during operation.

## USS clamshell series machines from 16 inch to 36 inch diameter.

The USS series combines the low clearance of the LC, while providing additional thickness and strength. The USS clamshells offer heavy-duty construction for even greater rigidity during operation. Larger diameter clamshells must be rigid to maintain a consistent and accurate machining process.

## WD series Clamshells:- 3 sizes:- Type WD43, WD48 and WD60

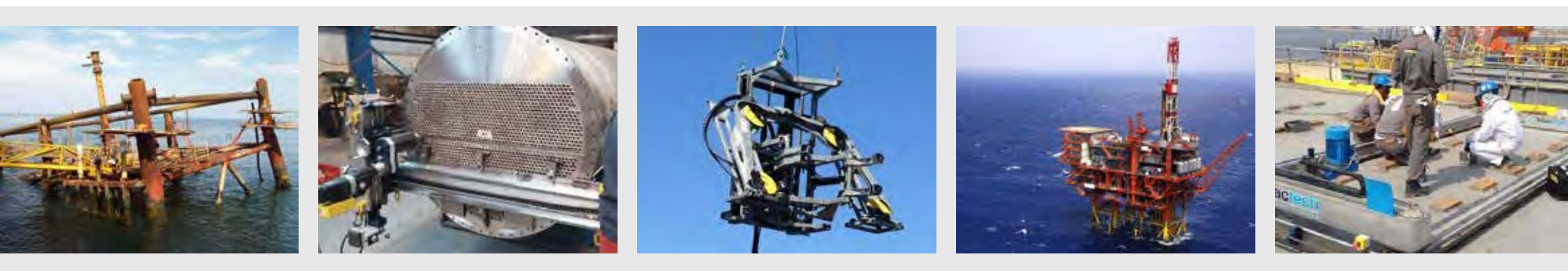
- Sever or simultaneous Sever / Bevel 31 to 60 inch diameter pipe, or NPS 31 to NPS 60 schedule pipe
- Cold cutting in hazardous environments
- Exceptionally rigid, split frame for precise on-site machining
- Lightweight, low clearance design for easy handling in tight working spaces
- Tool holder accepts standard 3/4 or 1 inch square tool bits
- Air Caddy (air filter and oiler) included with air drive systems
- Custom setups and drives available.

## SD series Clamshells:- 3 sizes:- Type 880SD, 890SD, 8110SD

- Sever or simultaneous Sever / Bevel 70 to 110 inch diameter pipe
- Cold cutting in hazardous environments
- Exceptionally rigid, split-frame for precise on-site machining
- O.D. Following Tool Block allows a +/- 1 inch out of round workpiece
- Tool holder accepts standard 1 inch square tool bits
- Powerful dual hydraulic drive suitable for cutting toughest steel and steel alloys
- Customer setups and drives available







[www.mactech europe.co.uk](http://www.mactech europe.co.uk)

[info@mactech europe.co.uk](mailto:info@mactech europe.co.uk)

Head Office + 44 (0) 1260 281431

Aberdeen Office + 44 (0) 1224 722666

**Mactech Europe - Head Office**

Mactech House  
Riverdane Road  
Eaton Bank Trading Estate  
Congleton  
Cheshire  
CW12 1PN

**Mactech Europe - Aberdeen Office**

Mactech House  
Howe Moss Drive  
Kirkhill Ind. Estate  
Dyce  
Aberdeen  
AB21 0GL

**Mactech Offshore**

302 Ida Road  
Broussard  
LA 70518  
United States  
[www.mactech offshore.com](http://www.mactech offshore.com)  
[info@mactech offshore.com](mailto:info@mactech offshore.com)  
1 -337-839-2793

