

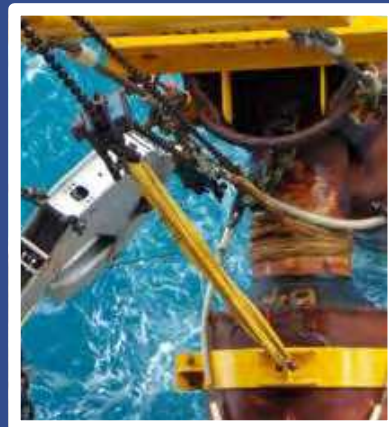
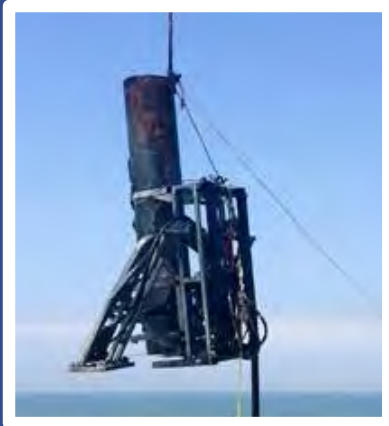


Decommissioning

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





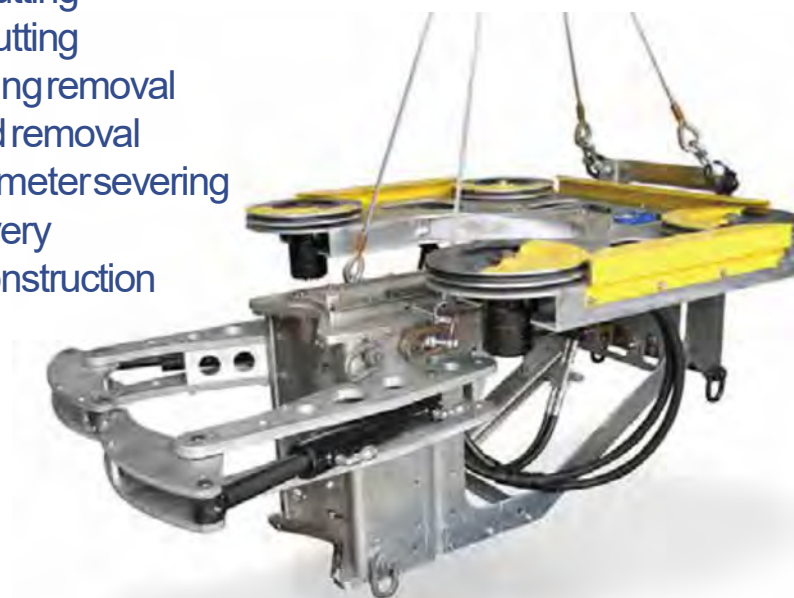
Diamond Wire Saws

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".

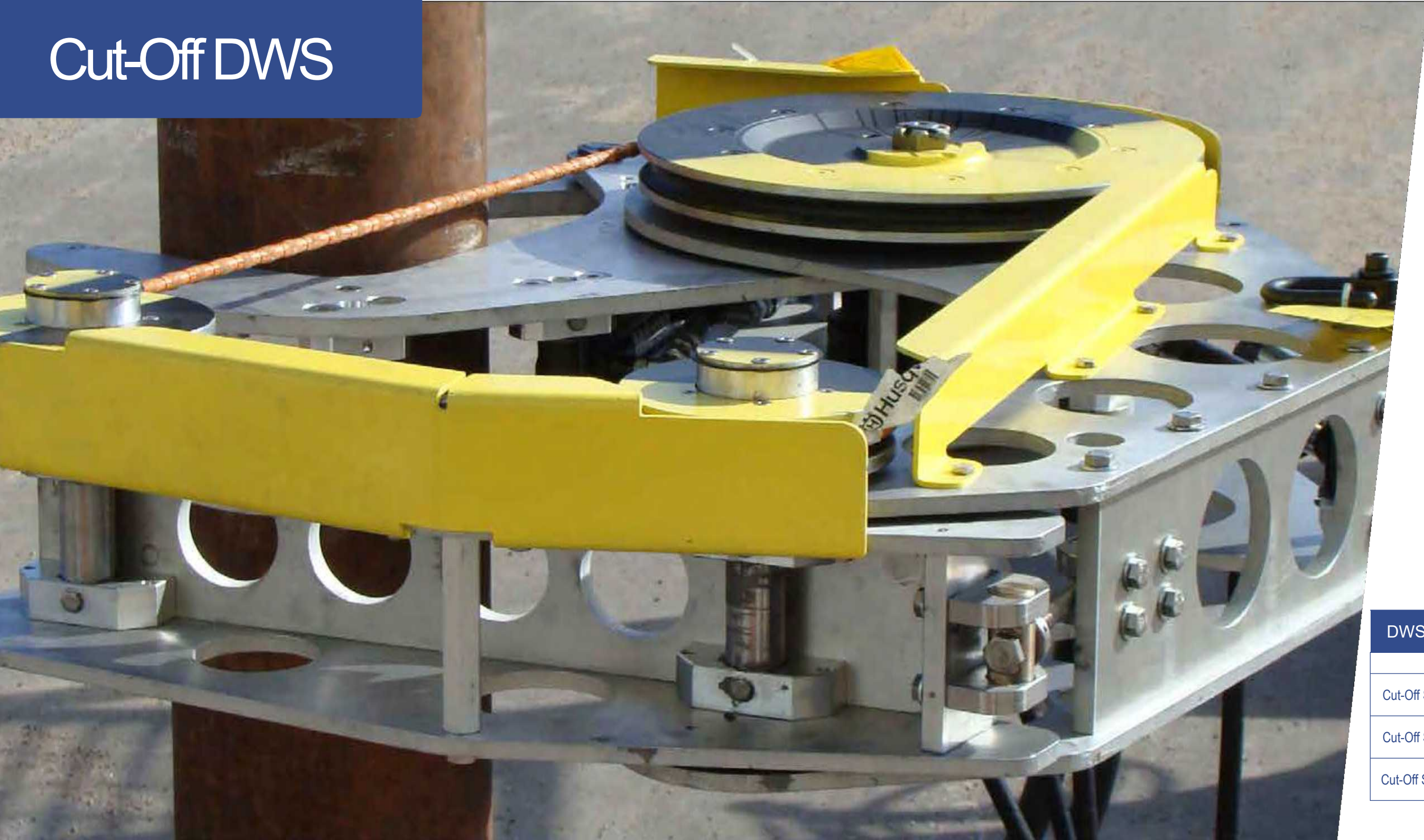
Diamond Wire Saws are ideal for cutting multi-string casing or heavy wall legs and cross members.

Applications include:

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



Cut-Off DWS



Compact and portable, our Cut-off saws work in areas where larger saws can't reach, or where manoeuvrability and ease of positioning is required. The Cut-off Saw is light and small, making it easy for divers to set up. Get all the capabilities of our larger saws in an affordable and easy to use unit.

- Cuts pipe, multi-string casing and pilings, even cuts bundled wire
- Lightweight and easy to maneuver. The DWS-16co weighs only 210 lbs.
- Cuts round or square structures
- Robust design allows for continued operation in tough conditions



DWS Machine	Cutting Capacity	Operating Dimensions	Shipping Dimensions	Operating Weights	Shipping Weights
Cut-Off Saw 16 Round	4 to 16 inches round 102 to 406 mm round	43 x 24 x 10 inches 1092 x 610 x 254 mm	60 x 48 x 36 inches 1524 x 1219 x 914 mm	210 lbs. 95 kg	650 lbs. 295 kg
Cut-Off Saw 24 Round	16 to 24 inches round 406 to 610 mm round	39 x 48 x 19 inches 991 x 1219 x 483 mm	68 x 51 x 38 inches 1727 x 1295 x 965 mm	320 lbs. 145 kg	950 lbs. 431 kg
Cut-Off Saw 24 Square	10 to 20 inches square 254 to 508 mm square	39 x 48 x 19 inches 991 x 1219 x 483 mm	68 x 51 x 38 inches 1727 x 1295 x 965 mm	320 lbs. 145 kg	950 lbs. 431 kg

The workhorse of the diamond wire saw fleet, our Inline Saws have all the features you need to efficiently cut casing and structures.

These saws have performed thousands of successful cuts in the Gulf of Mexico and around the world.

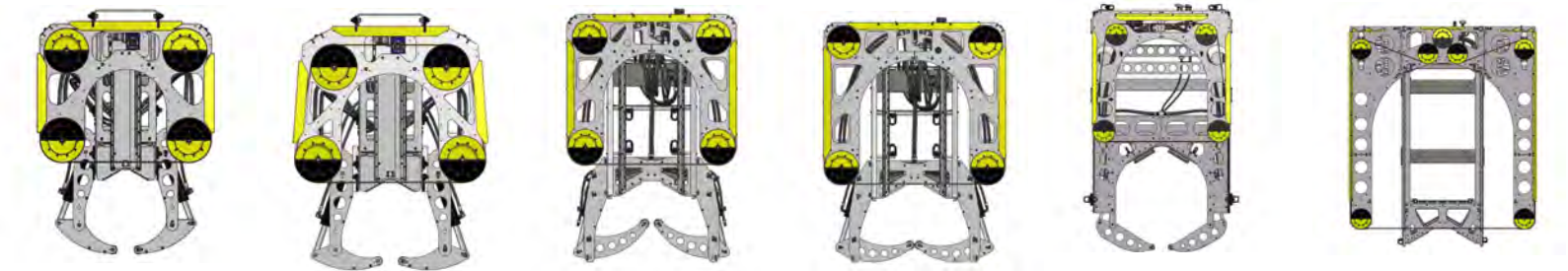
- Used for subsea and topside cutting
- Operates in any position
- Cuts multi-string casing, square piles, steel and concrete
- Easily modified for specialized cuts
- Cuts in any orientation, upside-down, right-side up, or at any angle

Our inline series of saws has the largest operating range, and are easily customized to adapt to your specific project needs.

Our design helps to reduce setup, installation, cutting and removal time, and the small footprint saves deck space.



Inline DWS

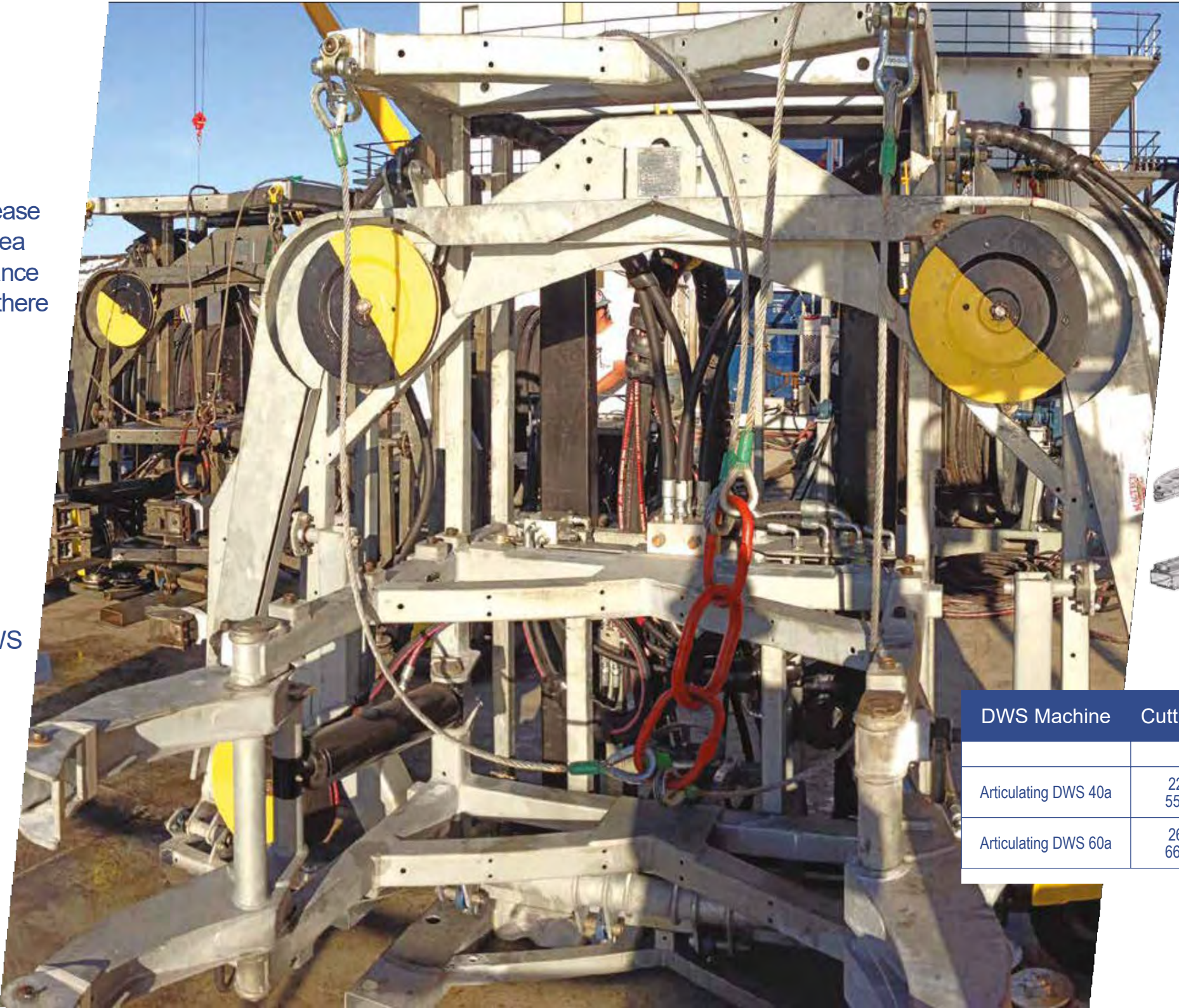


DWS Machine	Cutting Capacity	Operating Dimensions	Shipping Dimensions	Operating Weights	Shipping Weights
Inline 26i	8 to 26 inches 203 to 660 mm	86 x 61 x 40 inches 2184 x 1549 x 1016 mm	86 x 61 x 43 inches 2184 x 1549 x 1092 mm	1025 lbs. 465 kg	1325 lbs. 601 kg
Inline 30i	16 to 30 inches 406 to 762 mm	86 x 65 x 40 inches 2184 x 1651 x 1016 mm	86 x 65 x 43 inches 2184 x 1651 x 1092 mm	1050 lbs. 476 kg	1350 lbs. 612 kg
Inline 40i	20 to 40 inches 508 to 1016 mm	133 x 74 x 38 inches 3378 x 1880 x 965 mm	109 x 74 x 38 inches 2769 x 1880 x 965 mm	1650 lbs. 748 kg	1650 lbs. 748 kg
Inline 48i	20 to 48 inches 508 to 1219 mm	134 x 82 x 38 inches 3404 x 2083 x 965 mm	115 x 82 x 38 inches 2921 x 2083 x 965 mm	1680 lbs. 762 kg	1680 lbs. 762 kg
Inline 60i	26 to 60 inches 660 to 1524 mm	165 x 98 x 55 inches 4191 x 2489 x 1397 mm	145 x 98 x 33 inches 3683 x 2489 x 838 mm	2575 lbs. 1168 kg	2575 lbs. 1168 kg
Inline 102i	48 to 102 inches 1219 x 2591 mm	165 x 138 x 69 inches 4191 x 3505 x 1753 mm	165 x 60 x 73 inches 4191 x 1524 x 1854 mm	2375 lbs. 1077 kg	2450 lbs. 1111 kg

Articulating DWS

The patented design of our Articulating Diamond Wire Saws increase the efficiency and effectiveness of low-clearance cuts in the subsea cutting world. The articulated design only requires 2 feet of clearance around casings and the cut is made at the bottom of the saw, so there is no need to make additional space and can minimize dredge requirements.

- US Patents 8,651,098B2, 8,833,359,B2, 9,010,311B1
- Cuts flat with mudline at bottom of the saw
- Reduces backside clearance footprint up to 70%, compared to inline DWS
- Reduces equipment footprint up to 55% compared to inline DWS
- Reduces excavation footprint allowing up to 94% reduction of material to be dredged
- Ideal for cutting multi-string applications or heavy wall legs
- Designed to reduce setup, installation and cut times
- All Mactech Diamond Wire Saws can be customized for ROV capability



DWS Machine	Cutting Capacity	Operating Dimensions	Shipping Dimensions	Operating Weights	Shipping Weights
Articulating DWS 40a	22 to 40 inches 559 to 1016 mm	60 x 107 x 86 inches 1524 x 2718 x 2184 mm	60 x 107 x 86 inches 1524 x 2718 x 2184 mm	2400 lbs. 1089 kg	2550 lbs. 1157 kg
Articulating DWS 60a	26 to 60 inches 660 to 1524 mm	102 x 109 x 128 inches 2591 x 2769 x 3251 mm	98 x 109 x 97 inches 2489 x 2769 x 2464 mm	3200 lbs. 1451 kg	3200 lbs. 1451 kg

ROV Diamond Wire Saw

The ROV Diamond Wire Saw is designed to address economical efficiencies and advantages while focusing on personnel and environmental safety while performing abandonment operations.

Mactech's ROV Diamond Wire Saw offers operators and contractors the ability to keep divers out of the water, maintain controllable and precise cuts, and operate at a subsea weight of approximately 160 lbs.

- 150 lbs. subsea weight
- Depth rates to 3000 m
- Integrated compensation system with hot stab connections
- Capable of ROV-Powered or Surface-Powered with ROV positioning



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.

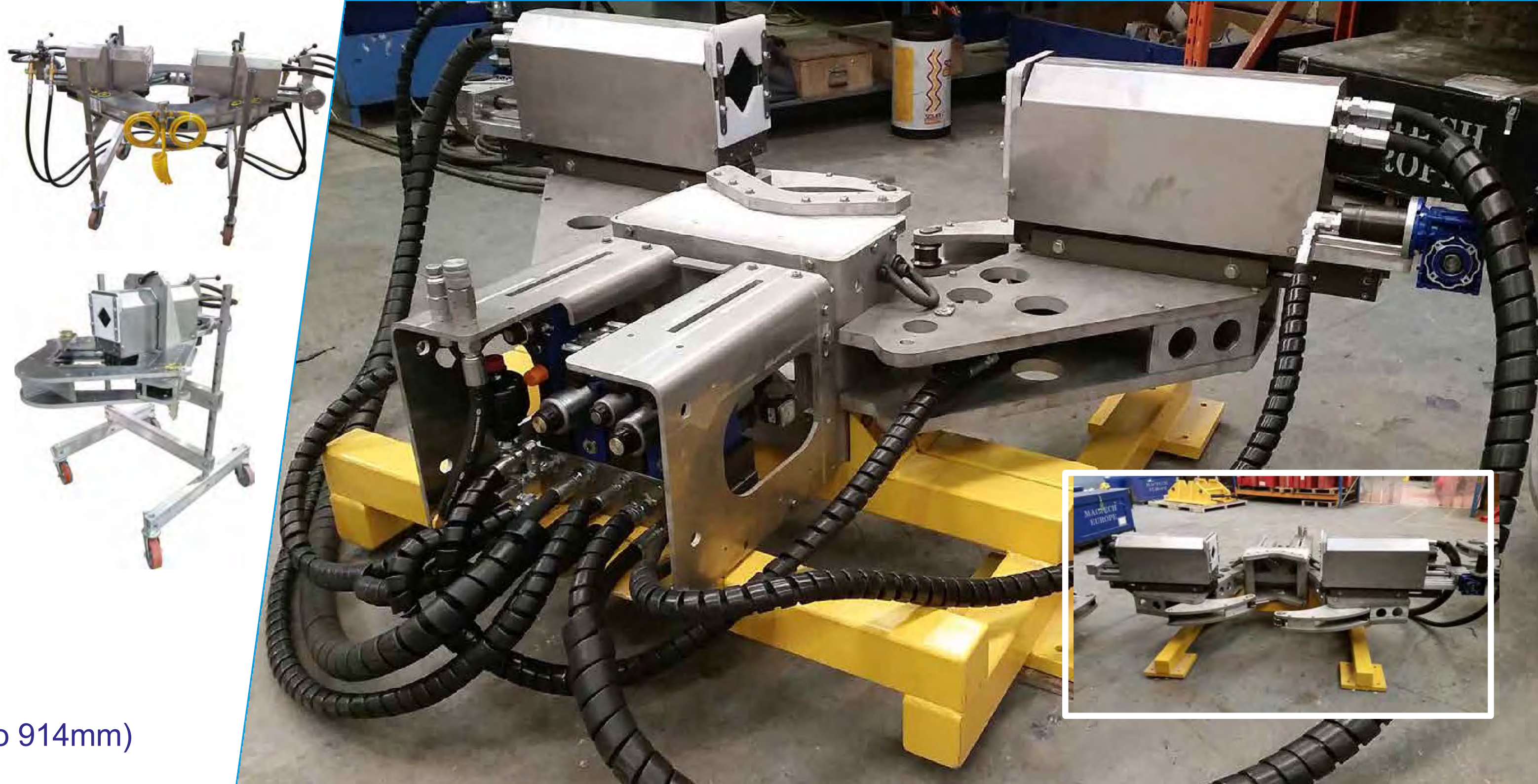
Drives

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 in³, 394 rpm max, 196 ft-lbs continuous torque. Typically used for applications where higher speed and lower torque are required.
- Option 2: 22.7 in³, 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.

Dual Pin Fits 6 to 36 inch (152 to 914mm)



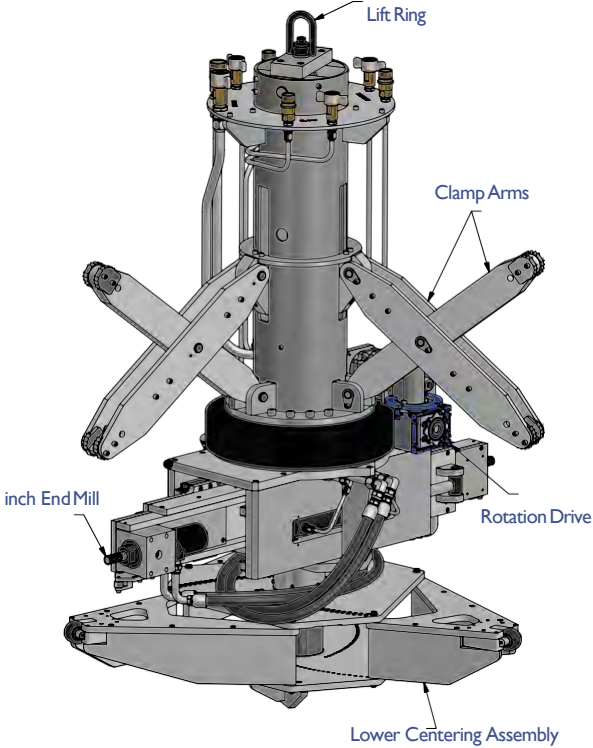
ID Milling Machine

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.



ID Milling machine
18 inch ID to 27 inch OD 457 mm ID to 686 mm OD
33 inch ID to 60 inchOD 838 mm ID to 1524 mm OD

The Mactech MT30 Rack Drill is a powerful, accurate and easy to use drill for on-site drilling applications.

The drill mounts on flat, round or tapered surfaces with a magnetic base.

Optional mounting systems are available, including chain clamp, shift plate or bolted attachment.

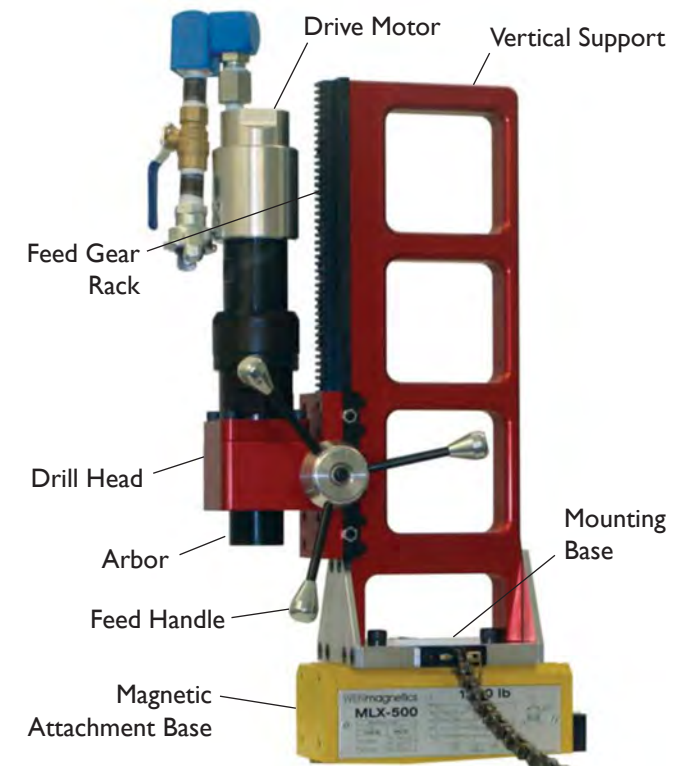
An optional hanging bracket is available for supporting the drill horizontally.

The drill is available with a pneumatic or hydraulic drive system. The MT30 Rack Drill comes complete with all items and necessary tools packed in a heavy-duty carrying case.

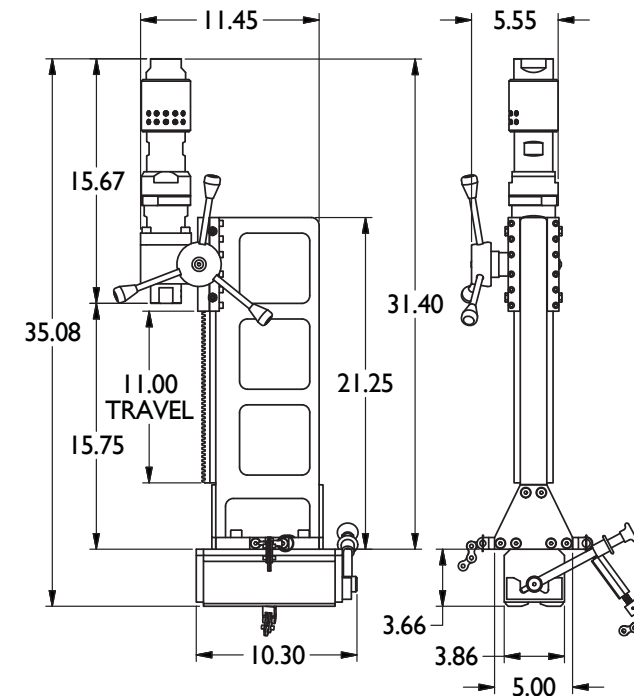
Features:

- 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 arbors, tool holders and motors are available

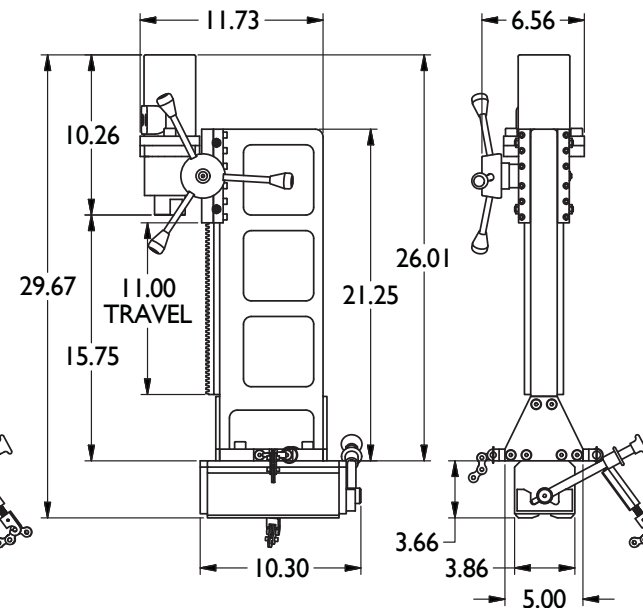
MT30 Portable Rack Drill



MT30 Rack Drill Components



MT30 Rack Drill with Air Motor



MT30 Rack Drill with Hydraulic Motor



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 2inch 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



LC Clamshell Lathe

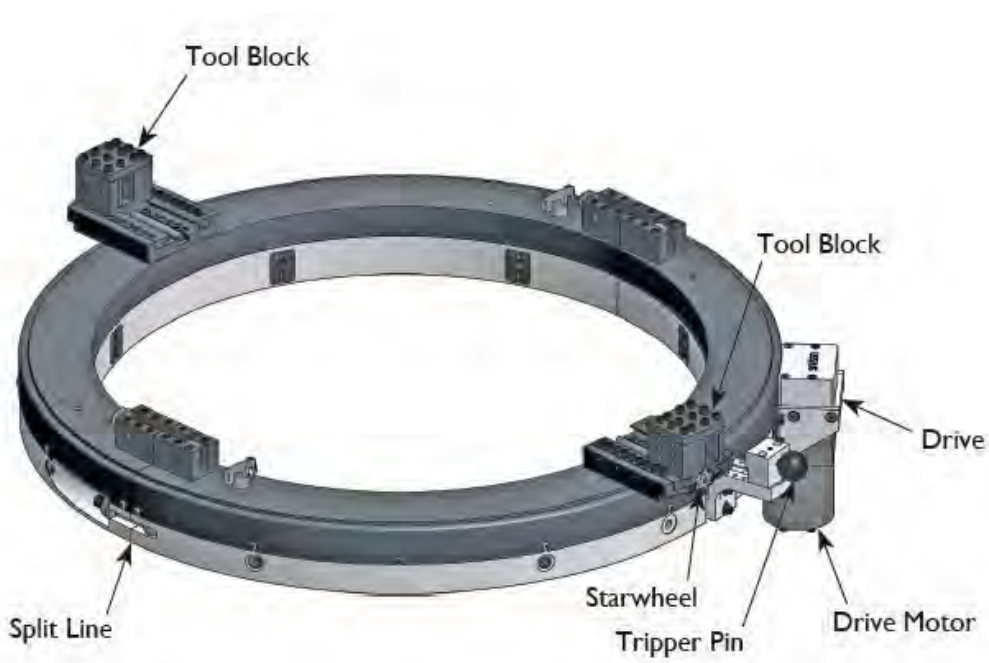
LC Clamshell Pipe Cutting Tool The LC (Low Clearance) series is designed to fit into tight working areas as well as minimise machine weight.

These clamshells are lightweight, but retain rigidity during operation.

Model	Diameter Range
802 LC	10.0 - 16.4 inches 254 - 417 mm
804 LC	14.0 - 20.4 inches 356 - 518 mm
806 LC	18.0 - 24.4 inches 457 - 620 mm
808 LC	22.0 - 28.4 inches 559 - 712 mm
810 LC	24.0 - 30.4 inches 610 - 836 mm
812 LC	26.0 - 31.9 inches 660 - 836 mm
814 LC	30.0 - 36.9 inches 726 -937 mm
816 LC	10.0 - 16.4 inches 254 - 417 mm



Model	Diameter Range
816 USS	10.0 - 16.4 inches 254 - 417 mm
820 USS	14.0 - 20.4 inches 356 - 518 mm
824 USS	18.0 - 24.4 inches 457 - 620 mm
828 USS	22.0 - 28.4 inches 559 - 712 mm
830 USS	24.0 - 30.4 inches 610 - 836 mm
832 USS	26.0 - 31.9 inches 660 - 836 mm
836 USS	30.0 - 36.9 inches 726 - 937 mm



Mactech Europe 830USS Clamshell

USS Clamshell Lathes

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.

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

Features:

- Sever or simultaneous Sever / Bevel
- Cold Cutting in hazardous environments.
- Exceptionally rigid, split-frame for precise on-site machining.
- Tool Holder accepts standard 3/4" or 1" (19.05 - 25.4mm) tool bits.
- Lightweight, low clearance design for easy handling in tight workspaces.
- Air Caddy (air filter & oiler) included with air drive systems
- Customer setups and drives available for your application.



WD Clamshell Lathes

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

The WD (Worm Drive) Clamshell’s gear system provides the necessary power to cut extra heavy wall pipe and operate on pipes greater than 40”.

Mactech’s large diameter clamshells are exceptional OD mount facing tools for heat exchange resurfacing.

- Sever or simultaneous Sever / Bevel 31 to 60 inch diameter
- 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" (19.05 - 25.4mm) square tool bits
- Air Caddy (air filter and oiler) included with air drive systems
- Custom setups and drives available for your application

Options:

- Full line of tool bits
- Right angle and reversible drives
- Single Point machining attachment
- Axial Feed machining attachment
- Counterbore/Facing attachment
- Hydraulic Power Unit

Model	Diameter Range
843 WD	31.0 - 43.9 inches 787 - 1115 mm
848 WD	36.0 - 48.9 inches 914 - 1242 mm
860 WD	48/0 - 60.9 inches 1219 - 1547 mm



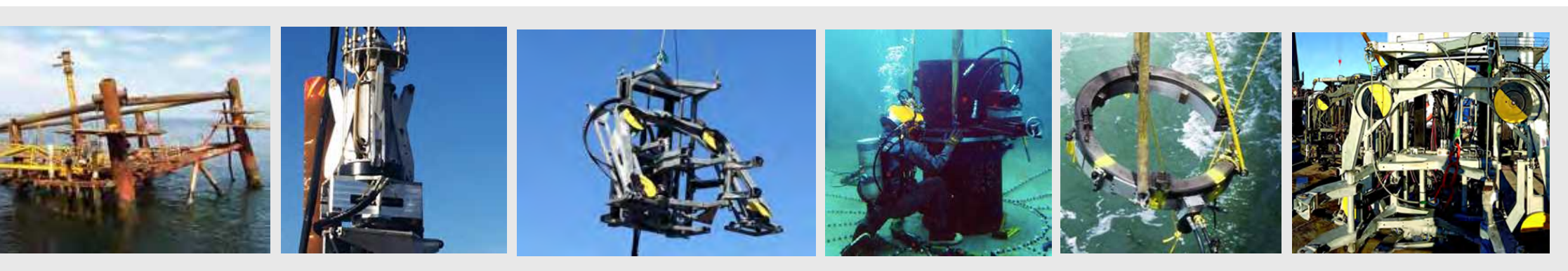
SD Clamshell Lathes

- 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



Model	Diameter Range
880 SD	60.0 - 83.9 inches 1524 - 2131 mm
890 SD	70.0 - 90.0 inches 1778 - 2286mm
8110 SD	90.0 - 110.0 inches 2286 - 2794 mm





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