



Articulating Diamond Wire Saw Cuts Pipe & Costs

Mactech Europe, a leading provider of subsea and offshore machining solutions, in association with Mactech Inc. are pleased to announce the launch of the Articulating Diamond Wire Saw in Europe.

The saw is designed for subsea and topside cutting of a variety of materials and projects and utilizes an articulating cutting arm for minimal clearance during cuts

“The Articulating Diamond Wire Saw has recently emerged as the game changer in the subsea cutting world,” states Joel Wittenbraker, President and CEO of Mactech INC. “It is a tool specifically designed to increase the efficiency and effectiveness of low clearance cuts. These specific saws are ideal for cutting multi-string applications or heavy wall legs and cross members in the decommissioning industry, utilizing the existing diamond wire technology in a new way to perform cuts from a vertical orientation.”

This vertical stance means the saw can easily fit into cofferdams or excavations with minimal dredging, where other saws can't fit or operate. The articulating design requires only 2 ft of clearance around casings, and the cut is made at the at the bottom of the saw so there is no need for extra dredging. The articulating diamond wire saws can easily fit into tight situations and can be seen in action on www.mactechurope.co.uk/machines/diamond-saw-cutter

Key Features Include

- Use for cutting multi-string casing, structures and any large, heavy material. All models can cut in any orientation.
- Models available to cut 4½ to 102 inch pipe and structures
- Rigid frames makes repeatability and back-cutting easier and more accurate
- Powerful drives cut through the toughest steel aggregates, with less hang-ups
- Compact and lightweight designs take less deck space and reduces excavation for BML cuts
- Continuous loop diamond wire resistance braiding, makes multiple cuts with a single wire. Cuts faster and lasts longer than electroplated / sintered wire

Mactech Diamond Wire Cutting Saw
Subsea and Topside Multi-string Casing and Structure Cutting



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Designed With Efficiency, Cost Savings, and Safety in Mind

The compact and robust design creates an ideal cutting environment, reducing setup, installation, and removal time—saving operators and contractors' time and money.

Wittenbraker explains, "These unique articulating diamond wire saws are designed for below-the-mud line (or low clearance cuts), allowing for deep water cutting and maintenance." Many times an ROV is not even necessary with the Articulating Diamond Wire Saw, as the guiding arms can be closed around a pipe further up the line and used as a guide to lower it down to the precise location of the cut. This can provide more scenarios that keep divers out of the water as much as possible and, in turn, out of harm's way.

"These efficiencies in time reduction and cut performance allow for the increased use of concurrent decommissioning practices, reducing the total time and capital associated with decommissioning projects," explains Derek Marcks, Mactech Offshore Operations Manager. "By performing crucial steps, such as multi-string cuts, in concurrence, operators and contractors are finding ways to save costs while improving performance.

Model	DWS-16co Cut-off Saw	DWS-26i Inline Frame	DWS-30i Inline Frame	DWS-40a Articulating Frame	DWS-60i Inline Frame	DWS-102i Inline Frame
Clamp Capacity Diameter	4-1/2 to 16 inches	8 to 26 inches	16 to 30 inches	22 to 40 inches	26 to 60 inches	48 to 102 inches
Operating Dimensions (LxWxH)	43 x 24 x 10 inches	86 x 61 x 40 inches	86 x 65 x 40 inches	86 x 107 x 55 inches	165 x 98 x 55 inches	165 x 138 x 69 inches
Shipping Dimensions (LxWxH)	60 x 48 x 36 inches	86 x 61 x 43 inches	86 x 65 x 43 inches	86 x 107 x 60 inches	145 x 98 x 33 inches	165 x 60 x 73 inches
Operating Weight	210 lbs	1025 lbs	1050 lbs	2400 lbs	2575 lbs	2375 lbs
Shipping Weight	650 lbs	1325 lbs	1350 lbs	2550 lbs	2575 lbs	2450 lbs



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