



# Mactech Europe

## Articulating Diamond Wire Saw

The world's foremost provider of subsea and offshore cutting solutions

### UTILISING MODULAR PROBLEM SOLVING APPROACH TO ENHANCE UNDERWATER CUTTING TECHNIQUES OF STEEL AND CONCRETE

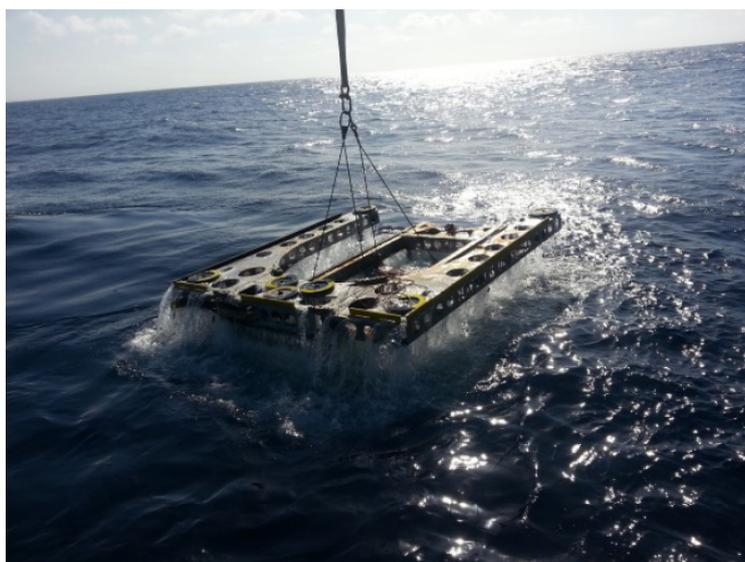
When problems arise in the field, there is not always an out-of-the-box solution on the shelf to solve it. When this happens, expenses and budgets can rise as the problem is waiting to be solved. Mactech, has developed a long history of building diamond wire tools and other customised severing tools to solve spur of the moment customer problems where practical tools don't exist.

Mactech are recognised as a leading provider of subsea and offshore machining solutions, recently received patent approval on its Articulating Diamond Wire Saw. The saw is designed for subsea and topside cutting of various structures and materials, utilising an articulating cutting arm for minimal clearance during cuts.

Thanks to the vertical articulating cutting column it is possible to minimise dredging requirements or fit tight in areas with restricted space. These saws are ideal for cutting multi-strings, heavy pile legs, cross members, and other vertical applications which now be cut in a more efficient, money and time saving way.

This vertical stance means the saw can easily fit into excavations with minimal dredging, where other saws can't fit or operate. The articulating design requires only 2 ft. of clearance around piles, and the cut is made at the at the bottom of the saw so there is no need for extra dredging.

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



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



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The guiding arms can be closed around a pile further up the line or on the surface 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 a reduction in the total time and capital associated with underwater cutting projects. By performing crucial steps, such as multi-string cuts, in concurrence with quick sever times, operators and contractors are finding ways to save costs while improving performance.

All of Mactech Diamond Wire Saws are designed for maximum cutting range flexibility, a small footprint, and reliable operation. Mactech is the original equipment manufacturer of their entire line of Diamond Wire Saws, and this gives them the capability to provide customization and adaptability to project needs when necessary. They have many years of field service and custom tool design, bringing innovative and productive solutions to the offshore market.

Mactech Offshore's versatility in the subsea machining world is what makes their capabilities truly unique. No job is too big or small, with cutting capabilities of machines ranging from 4 to 120 inches and an expanding fleet of diamond wire machines that have success-fully performed diamond wire cuts in-situ.



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**Sales | Rent | Service**



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### **DWS Benefits Include:**

- Cut multi-string, caissons, conductors, jacket legs and heavy piles
- Designed to perform horizontal cut when positioned in vertical orientation
- Articulating 40" cutting range 22"-40" and Articulating 60" cutting range is 26"-60"
- Compact design with a vertical articulating frame which reduces clearance requirements at the cut location
- 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
- Robust design allows continued operation in tough conditions

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