

Full SUPPORT & SERVICE

Diamond Wire Saw

Bohyar always commits to providing customers with a full set of solutions for industrial pipeline service. We own professional equipment and service used for cutting, beveling, sealing and other kind of service, and can provide famous brands valves and materials. We devote our efforts to service for many fields such as the long distance pipeline, nuclear power plant, offshore engineering, pressure vessel and chemical plant.

One-stop Service Solution for Industrial Pipeline



BOYHAR is an emerging company in the World. We are the leading manufacturer of a clamshell style portable precision pipe cutting and beveling machine tools in today's market. We pride our self for an engineering design excellence and our innovative manufacturing facility to make a quality and tested product. Our dedicated team provides a comprehensive service such as pipeline detection, filed tube replacement, field leakage plugging, field engineering service and regular maintenance for customers. We serve many industries such as oil & gas, chemical industry, power plant, water & waste treatment plant, food manufacturer and pharmaceutical industry.

Industries We Serve

● Energy Field

- Oil and Gas
- Pipeline Transmission, Gathering & Storage
- Petrochemistry
- Oil Refinery
- Offshore Engineering
- Power Plant



Oil and Gas



LNG



Power

● Construction and Construction Equipment

- Water and Gas
- Water and Treatment
- Heater



Water and Treatment



Boiler shop



Mining

● Process Engineering

- Chemical Industry
- Shipbuilding
- Boiler shop
- Semiconductor
- Electronic Equipment
- Medicine
- Biotechnology
- Food and Beverage Industry



Marine



Shipbuilding



Refinery and petrochemicals



Quality assurance

'The application of industrial products will never allow any defective product',Bohyar's management team has clear consensus of that and emphasizes not only by communication to associates but also by utilization of 3rd party and customer verification process.Bohyar implements zero defect quality management with advanced data statistics and analysis to continually improve the ability of process control and management.Addition to that,with the assistance of ERP system,the base materials and components used in every individual product are completely traceable.



*ISO9001certificate of registration

- Bohyar conducts PMI and mechanical performance test for all in coming materials.
- Prior to and in the course of machining and processing of critical parts,process inspection & NDE inspection are conducted.
- Every product is strictly in-house tested before shipment.
- Our company regularly carry out quality management training to improve the quality awareness.



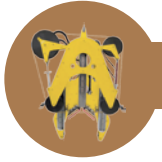
Quality management training



PMI and mechanical performance test



*Practical new patent certificate



Introduction

The Bohyar Subsea Diamond Wire Saws are designed for underwater cutting of horizontal or vertical pipe, casings and structure, with five models that cut from 4in to 84in O.D. (DN100-DN2100). Running on hydraulic power, the wire saw is controlled remotely using the Wachs Topside Control Panel (TCP), HPU with integrated TCP or by ROV control operable via zero leak hot stabs. Diamond Wire Saws feature a unique hydrodynamic design that dramatically reduces centrifugal forces during operation, which means less power wasted in churning water and more power directed to cutting the workpiece.

Features

- **Self Adjusting Autofeed**

The Diamond Wire Saw features a unique self-adjusting autofeed system that controls wire bend and automatically matches the feed rate to the cutting rate. With the ability to adjust the feed until the cutting action catches up, Wachs DWS delivers more efficient cutting action with enhanced operator safety and greatly extended wire life.

- **Synchronized Clamping**

In addition, the saw is equipped with a fully adjustable power clamping system, designed to grasp the workpiece more accurately with fewer contact pads. It features two synchronized hydraulically actuated clamping arms that pivot inward, providing easy and secure remote control mounting. Synchronized clamping arms ensure uniform, square and secure mounting and prevent damage to the arms from unequal forces. Because the machine mounts more accurately, less visual supervision is required.

- **Auto Feed System And**

Self adjusting feed system controls wire bend and automatically matches the feed rate to the cutting rate.

- **Hydrodynamic Design**

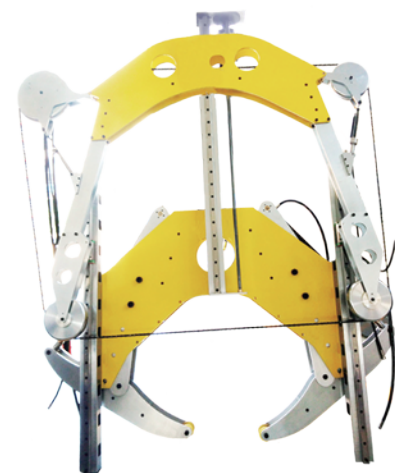
Unique hydrodynamic design means less power wasted in churning water and more power directed to cutting the workpiece.

- **Subsea Cutter**

Diamond wire cutting element quickly and cleanly cuts pipe of varying material and thicknesses without stalling or binding due to compression of the workpiece.

Advantages

- Lightweight aluminum plate construction
- Mounts vertically or horizontally
- Hydraulically operated synchronized clamping arms
- Self adjusting automatic feed system
- Overload clutch for bow damage prevention
- Corrosion resistant with anode protection
- Easily replaceable long life diamond wire cutting element
- Five models cut from 4in to 84in O.D. (DN100-2100)



DWS3052



Pipe OD: 4"-84"

Highlights

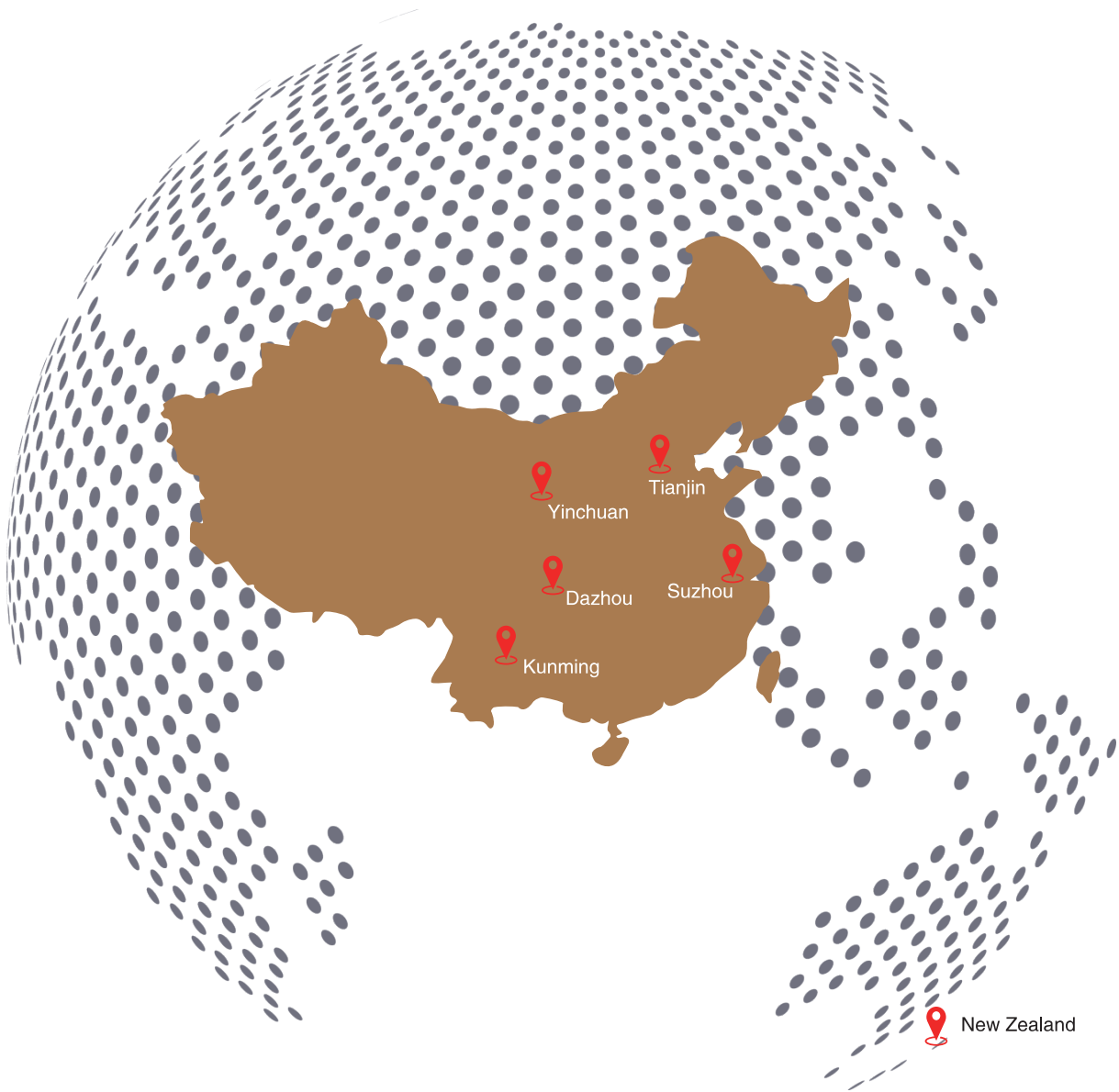
- Lightweight planetary feed drive
- Large diameter high contact area wire drive wheels
- Lift interfaces for vertical or horizontal deployment
- Lightweight aluminum plate construction
- User replaceable clamp contact pads and wheel inserts
- Optional Wachs TCP Topside Control Panel

Application Range

Model	DWS 0416	DWS 1230	DWS 1636	DWS 3052	DWS 6084
Maximum Pipe Capacity	16in (406mm)	30in (762mm)	36in (914mm)	52in (1321mm)	84in (2134mm)
Minimum Pipe Capacity	4in (102mm)	12in (305mm)	16in (406mm)	30in (762mm)	60in (1524mm)
Height	55in (1397mm)	82.5in (2096mm)	92.5in (2350mm)	127in (3226mm)	205in (5207mm)
Width	44in (1118mm)	63.75in (1619mm)	69.75in (1772mm)	87.25in (2216mm)	118.8in (3017mm)
Depth	28in (711mm)	30in (762mm)	32in (813mm)	43in (1092mm)	43in (1092mm)
Weight	730lbs (331Kg)	1000lbs (454Kg)	1200lbs (544Kg)	1600lbs (726Kg)	call

Specifications

- **System Function:** Designed to cut submerged pipe, casing and structure of varying materials and thicknesses using a high speed rotating diamond wire loop cutting element
- **System Capacity:** Five models designed to cut from 4in to 84in O.D. (DN100-2100)
- **Power Requirements:** Hydraulic requirements 20 GPM @ 2500 PSI (76 LPM @ 172 BAR) varies by model and application.
- **Construction:** Lightweight aluminum plate construction, constant tension bow feed, three hydraulic drive circuits – cutting, feed, and clamp drive
- **Finish:** Corrosion resistant powder coated aluminum frame plates, black anodized aluminum select components, and stainless steel hardware.
- **Cutting Wire:** Quick change continuous loop diamond wire cutting element
- **Cutting Wire Speed:** Variable, 0-1,500 RPM
- **Feed Method:** Automatic self-adjusting feed control with screw drive and manual override
- **Feed Rate:** Variable based on workpiece material and density
- **Drive Options:** Hydraulic only
- **Clamping Pads:** User replaceable crush resistant urethane clamping pads
- **Wire Guides:** User replaceable durable urethane inserts
- **Included Accessories:** Operating manual



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