

SABRE™

The Claxton SABRE™ abrasive water Jet cold cutting system severs multiple casings internally.

The abrasive jet is capable of cutting through virtually any material including composites such as cemented casing strings, regardless of casing load or eccentricity. SABRE's down-hole abrasive cutting tool can be platform deployed or suitable vessel for rigless operations.

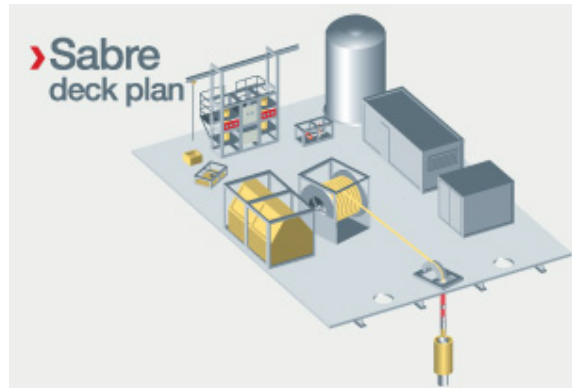
Features of SABRE

The unique features of the SABRE™ system deliver many benefits over other severance systems and alternative severance techniques:

- Use on platform or sub sea wells.
- Facilitates rigless platform abandonment.
- Diverless operation (sub sea).
- Patented cutting head
- No impact on adjacent infrastructure
- 100% redundancy of critical components
- Environmentally friendly naturally occurring cutting medium; garnet (semi-precious stone) and water.
- Field proven over multiple campaigns

Benefits of SABRE

- Casings can be cut & recovered simultaneously or individually
- Cutting jet can be controlled to selectively cut casing strings
- Internal or external cutting applications.
- Modular system foot print can be adapted to wide range of applications
- Cutting manipulators available to suit all standard casing sizes.
- Claxton-designed packer system improves cutting performance.



See overleaf for system layout details



Multiple casings cut by SABRE

Complete Abandonment Services

Claxton is a major player in field abandonment projects and has many years of well abandonment experience both on- and offshore. We apply best-in-class technologies from our in-house team to the industry's most significant abandonment projects.

Our experience, coupled with extensive in-house tailored engineering capabilities and a proven record of successful projects, makes Claxton the obvious choice for well abandonment.

Claxton, alongside a suite of services provided from Acteon group companies, provides a total solution for well abandonment and decommissioning.

Contact us about SABRE:

United Kingdom:

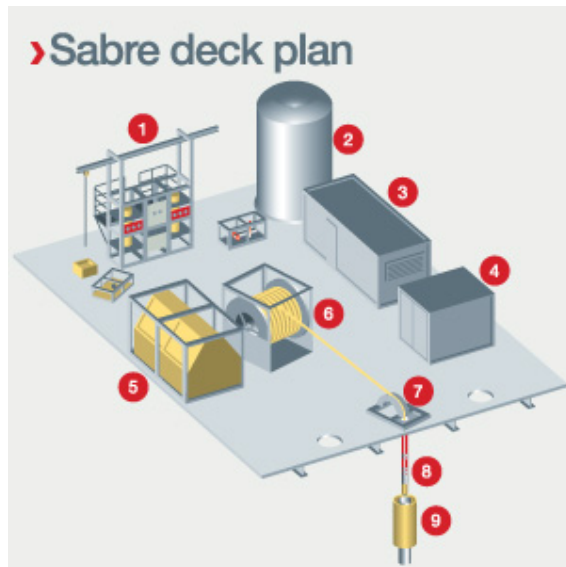
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SABRE™ System Specification

SABRE has been designed to offer a flexible and modular solution.



- 1: Mix Fill system
- 2: Water Header / Supply Tank
- 3: High Pressure Water Pump
- 4: Work Shop Container
- 5: Air Compressor (multi string cutting)
- 6: Umbilical Reel
- 7: Goose Neck
- 8: Down Hole Manipulator
- 9: Sub-Sea or Platform Well

Item	Dimensions (L x W x H)	Weight
Mix/ Fill system Pressure Vessels c/w control panel & lift frames.	6.5 x 2.6 x 4.7m	6,850 kg
(Individual Mix Vessel c/w lift frame 2#)	(1.3 x 1.0 x 2.7m)	(2,700 kg)
(Control panel c/w lift frame) 3 phase 440-480v, 50-60Hz, 15kw	(1.3 x 1.0 x 2.7m)	(1,150 kg)
Inlet Manifold c/w lift frame	1.0 x 2.1 x 0.5m	660 kg
Outlet Manifold c/w lift frame	1.0x 2.1 x 0.5m	480 kg
HP Water Pump (min pump specification required 1,000Bar @ 125 l/min) Diesel, 60 litres per hour	6.1x 2.4 x 2.4m	14,000 kg
Air Compressor, specified to suit operational depth	5.5 x 2.4 x 2.5m	10,000 kg
Air Dryer	2.4 x 1.8 x 2.2m	3,000 kg
Powered Hose/ Umbilical Reel (Umbilical typical)	2.4 x 2.7 x 2.4m,	3,000 kg (1,500 kg)
10ft Workshop Container	3.1 x 2.5 x 2.5m	TARE 2,500 kg Gross 9,500 kg
10ft Abrasive Storage Containers (minimum supplied 3#)	3.1 x 2.5 x 2.5m	TARE 2,500 kg Gross 9,500 kg
20ft Tool Basket	6.2 x 2.4 x 1.3m	Variable

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