



UCS Internal Pipe Cutter

Abrasive internal cutting tool

The UCS internal pipe cutter has been specifically designed to reduce the amount of deck space required along with being harmless to the marine environment. Great care has been taken in the construction of the internal pipe cutter to reduce moving parts and troublesome, thus creating an extremely efficient and reliable tool with minimal maintenance and break down time.

The UCS internal pipe cutter has to be used with the complete cutting system comprises of an engine / pump unit, control cabinet c/w workshop, and an umbilical reel. Alongside this, the system has the capability to perform the tool.

The abrasive system can operate between 5,000psi - 15,000psi, product and surface dictating pressures required.

Safety features include a specially designed hydraulic dump valve, which the operator can dump the pressure if required in an emergency from a spool control valve inside the control cabin. As well as a pressure burst disk on the system if in the unusual event of a blocked nozzle.

Applications

Internal caisson cutting

Features

Cutting pressure 5,000psi-15,000psi

Internal cutting

Minimal maintenance required

Adaptive bespoke tooling to suit

client requirements

Operator friendly

Bespoke options

UCS have specialist in-house design and fabrication capabilities and are able to modify any tool to suit client / project requirements.



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Specifications



Cutting capacity	Pipe Ø457.2-1016mm / 18-40in
Hydraulic requirements	20lpm @ 210bar / 5.8gal @ 3045psi
Hydraulic oil type	ISO VG32 or equivalent
Maximum carriage speed	60mm/min / 2.3in/min
Typical cutting speed	9-120mm/min / 0.16-4.7in/min (Max 360 / 17min)
Mass in air	140kg / 308lbs
Length	2367mm / 93.2in
Minimum diameter	420mm / 16.6in
Maximum diameter	1016mm / 40in

