

TECHNICAL SPECIFICATION

Ultra High Pressure (UHP) Cold Cutting

UHP water cold cutting is an innovative technique that uses a mixture of water and a cutting medium to cut through some of the toughest materials.

Utilising remotely operated UHP water/abrasive techniques, Stork offer a specialised service for cold cutting redundant steel and concrete. This provides a safer and more efficient alternative to hazardous areas, making it ideal for brownfield modification projects.

The system is safer than conventional cutting as it is remotely operated, eliminating the risk to the operator including occupational health issues, such as HAV (hand-arm vibration). The output specification of our water jetting units can be manipulated to achieve maximum efficiency over a range of applications.

Technical information:

- Air supply – minimum 90 psi
- Maximum working pressure – 2500 bar
- Maximum flow rate – 25 ltrs per min
- Water Supply – fresh
- Garnet – 30/60
- Cutting durations in line with flame cutting
- Remote actuation for enhanced operator safety
- Minimal garnet required
- Tooling development for manipulation / actuation
- Cuts steel with a good profile up to 50 mm (2") thick steel
- Able to cut up to 300 mm (12") thick steel for destruct
- Cuts plate/bulkheads/decks
- Cuts pipe work/vessels
- Flexible track c/w magnetics used for straight cuts and large radius vessels/pipework
- Circumference banding to cut pipework from 150 mm (6") to 915 mm (36")
- Various manipulators used to cut beams, box section
- Able to cut circular holes
- ATEX compliant

