

ABRAJET

1. Watercutting

2. Hydro sandblasting

3. High pressure cleaning



ABRAJET

A UNIQUE TECHNOLOGY

THREE APPLICATIONS IN ONE MACHINE

Watech AS has developed a system called Abrajjet. This is a proven technology - combining water cutting, hydroblasting and high-pressure washing - in one machine. The system can be used both on- and off-shore, under water down to 500-600 meters and in flammable areas.

The Abrajjet system is PLC controlled. It can be mounted to a robot-controlled arm for precise control, and it can be used with handheld high-pressure gun with fixed or rotating nozzles. The machine is particularly HSE friendly with low noise and no vibration.

- ENVIRONMENTALLY FRIENDLY
- EXTREMELY EFFICIENT
- VERSATILE

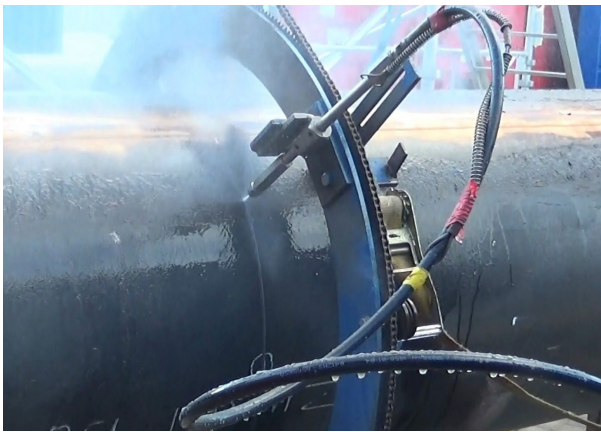


Abrajjet 600 Ex

Abrajjet 600 Ex Technical Specifications

Type	LPM	Pressure bar	Operation	Kw	Amp	Length mm.	Width mm.	Height mm.	Weight-kg	Execution
Abrajjet 600 Ex	22	600	EX zone 2, 400v - 690 v 50/60 Hz	22	63	2438	1830	2438	3500	Container 10 FT DNV 271

Other specifications and building measurements are also available upon request.

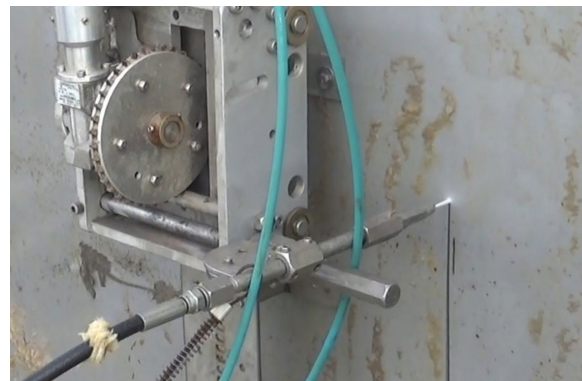


WATER JET CUTTING

Abrajjet is a water cutting system that can be used on and offshore, in flammable areas and can also be used underwater down to 500-600 meters. When using the water cutting method, you do not need to remove paint and oil residue before cutting. As is known, paints and oil products emit environmentally hazardous waste and fire can occur. With water cutting, the cut is cold, controlled and has no environmental disadvantages.

The cutters can easily accommodate tight spaces where an operator can control the cutting remotely.

Cutting depth from 0 - 160 mm.



HYDRO SANDBLASTING

Rust and paint is efficiently removed with high-pressure water with small amount of abrasives mixed in with the water. The purity can vary from just stripping of a coat of paint to complete removal of paint, scale and rust down to pure metal. The beam has great power and allows the desired effect to be achieved very quickly.

The method removes salts, chlorides, fat and the like. It is an environmentally friendly method with no pollution to the air. The Abrajjet beam is very quiet compared to ultra-high-pressure and sandblasting.

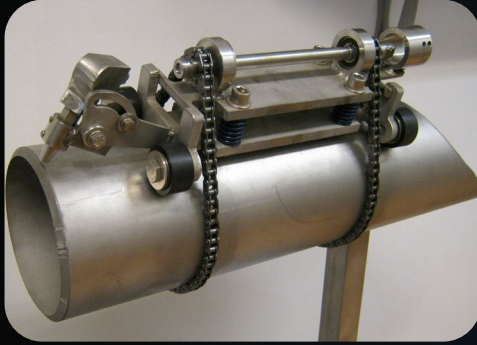


HIGH-PRESSURE CLEANING

High pressure cleaning without abrasives are ideal for cleaning and flushing. It removes loose particles and ingrown contamination. The system can be effectively used for internal cleaning of pipes. The nozzle is mounted in a centered carriage and pulled through the tube by means of the hose. This can be done manually or by a hydraulic hose reel.

EXTRA EQUIPMENT

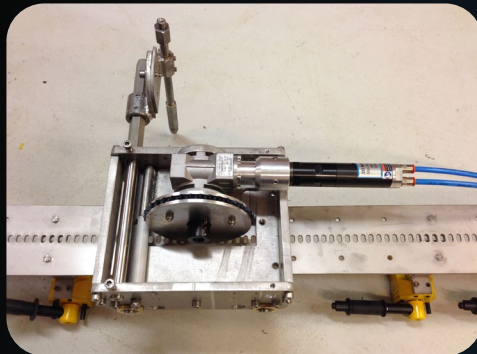
The extra equipment can be used with several hundred meters of hose.



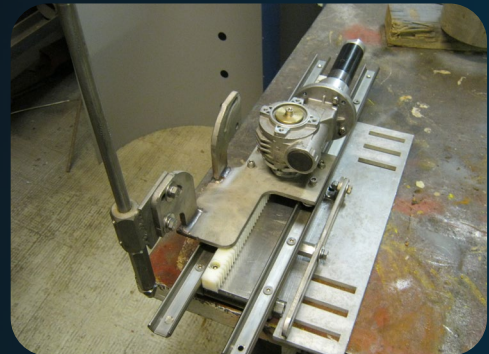
Cutting unit for pipe cutting. Pneumatic operation. Fastened with chain around the pipe. Pipe diameter from 100 - 3000 mm



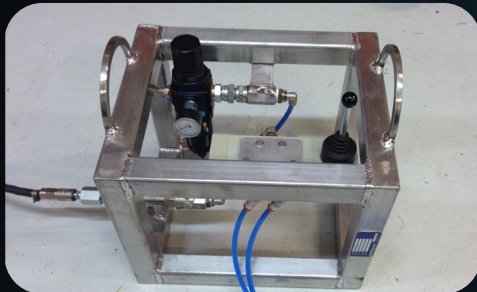
Cutting unit for cutting holes with pneumatic operation and stepless adjustment. Diameter of 200 mm - 1200 mm..



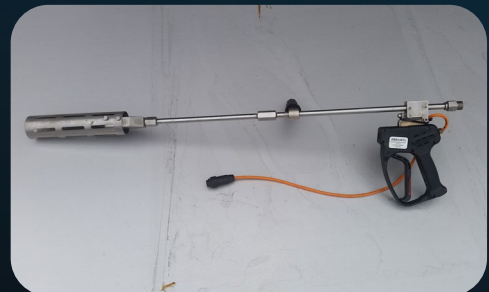
Flexi rail with cutting carriage. Pneumatic operation. Fastened with magnet, clamps or straps.



Cutting tool for cutting H-beam. Adjustable in several positions. Pneumatic operation.



Pneumatic operator panel



Abrajet spray gun for hydroblasting



Clamp pipe cutter for particularly precise cuts.



Control cable for remote operation of the Abrajet machine



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