

COMPACT UNIVERSAL ORBITAL CUTTER

AREA OF EXPERTISE

- Mechanics

Developed during CERN's first Long Shutdown, this orbital cutting machine has been designed to cut a broad range of pipes of different diameters and materials located in places which are particularly difficult to access.

Once mounted on a pipe, the cutter operates autonomously without manual assistance, making it suitable to cut pipes which present health hazards, such as radioactively contaminated pipes.

FEATURES

- Autonomous cutting, driven by hydraulic motor.
- Flexible diameter (from 100 to 1200 mm).
- Adaptable circular saw for pipes of different thicknesses and materials.

IP STATUS

- Know-how
- Detailed design and schematics

APPLICATIONS

- High energy physics laboratories.
- Nuclear facilities.
- Oil and gas industry.

TECHNOLOGY READINESS LEVEL

- First generation
- Prototype

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