

New Product By DYNASET For Abrasive Cutting



Caption: DYNASET HAC Hydraulic Abrasive Cutting System is a hydraulic-powered cold-cutting system for various tasks and industries. With its patented valve structure, cutting can be done continuously without refill breaks. In the photo, you see its abrasive material tanks. While one is in use, the other can be refilled.
Alt-text: DYNASET HAC Hydraulic Abrasive Cutting System.

Dynaset is bringing a new player to the abrasive-cutting sector. HAC Hydraulic Abrasive Cutting System is an abrasive cutting system that is powered by hydraulics. The system is used for cold-cutting applications in various fields of industry. For example, In the rescue sector, HAC Hydraulic Abrasive Cutting System is used to extinguish fire safely through walls, doors, and roofs. As a rescue accessory, we also supply an accessory that allows users to spread firefighting foam with the system's pistol.

The system's pistol delivers high-pressure water boosted with abrasive sand to the surface at high pressure. The pistol's control is carried out with wireless technology. The abrasive sand is added to the water stream directly to the pressure line, increasing its kinetic energy compared to systems where the sand is added to water in the pistol. As a result, the HAC Hydraulic Abrasive Cutting System is efficient. Users can cut even through metal with 320 bar pressure, while most cold cutting systems require even 4000 bar pressure.

The system has two abrasive material tanks, which means that while one is in use, the second can be refilled simultaneously thanks to DYNASET's patented valve structure. As a result, the working doesn't stop for refill moments. It also has an abrasive pistol and hose reel, patented DYNASET valves, and a hydraulic high-pressure water pump. The system is powered reliably by the carrier vehicle's or machine's engine via hydraulics. The system requires from hydraulics 115 l/min flow at 230 bars.

HAC Hydraulic Abrasive Cutting System will become available for order in late spring 2023.



caption: Abrasive cutting means cutting without sparkles. The cutting power is created by high-pressure water and small abrasive particles that goes among the water flow. As a result, the jet penetrates materials.
Alt text: Abrasive cutting through a material



Caption: Dynaset's abrasive-cutting system operates at 320 bars, while most of other cold-cutting systems may require up to 4000 bar pressure. The lower operating pressure was achieved with patented valve structure. ALT-TEXT: Pressure gauge of HAC Hydraulic abrasive Cutting System