

KV 2S

SCIENTIFIC DETONATION CHAMBER

2.8 m

KV 2S is a universal detonation chamber applicable for a wide portfolio of operations ranging from scientific laboratory experiments to heavy-duty industrial processes.

KV 2S is an automated machinery designed to withstand repeated detonations of up to 2 kg TNT as a part of a manufacturing process, quality control tests or scientific research programs.



ADVANTAGES & FEATURES

- ▶ Compared to the simpler manually-operated laboratory detonation chambers, this industrial-type detonation chamber is equipped with hydraulic-driven moving parts and a control panel for fully automatic remote operation.
- ▶ The chamber is opened and closed by a back-folding cupola exposing a large working space, equipped with four optical windows and multiple measuring ports for scientific instrumentation, along with additional anti-fragment protection.
- ▶ During dozens of years in operation in very demanding conditions, **KV 2S** detonation chambers have demonstrated long service life (10,000s detonations), high reliability, safety and negligible operating costs.

APPLICATIONS

- ▶ Scientific research, development and testing of explosives and ordnance
- ▶ Scientific investigations of confined explosion effects
- ▶ Quality control in the manufacture of explosive materials
- ▶ Industrial explosive forming of metals (hardening, pressing, cutting, welding)
- ▶ Forensic investigation of improvised explosive devices (IED)
- ▶ Safe disposal of explosives, initiators and small ammunition elements
- ▶ Safe execution of large-scale sensitivity or stability tests
- ▶ Safe storage of unstable explosive substances in explosives laboratories, etc.



Control panel of the detonation chamber

Product name	KV 2S
Capacity [g TNT]	2 000
Working table dimensions [mm]	Ø 700
Weight [ton]	11
Total dimensions L×W×H [m]	2.9 × 1.8 × 2.8



OZM Research s.r.o.

Bliznovice 32, 538 62 Hrochuv Tynec
CZECH REPUBLIC / European Union
Mobile: +420 778 456 409
E-mail: ozm@ozm.cz
www.ozm.cz