



Product Information SDC and MDS Hot Detonation Chambers

Hot Detonation Chamber technology by DYNASAFE is the world's leading environmentally responsible munitions destruction solution for the safe disposal of ammunition and other energetic materials. Several models of hot detonation systems are available depending on the type and size of the items that need to be processed. These systems also have the ability to provide metal scrap free of explosives that can then be recycled. There are currently more than 18 systems in operation with more than 100 years accumulated operation time and no accidents.

The **Static Detonation Chamber (SDC)** is a unique thermal treatment product designed specifically for the challenges of modern demilitarization efforts. The SDC is a heated detonation chamber; where munitions are fed through an automated loading system and heated until the explosives deflagrate or detonate. This process does not require expensive or dangerous disassembly procedures on most munitions. As a result, munition destruction rates are much higher than competing processes.

The SDC can handle the widest assortment of ammunition, such as fuzes, small arms, cartridge ammunition, mortars, large projectiles, bulk explosives, propellants, and Chemical Warfare Agents (CWA) including those containing projectiles. Acceptable munition fills include high explosive (HE), chemical agent, incendiary, smoke, and illumination munitions, all without requiring reconfiguration of the unit.

Metal scrap resulting from the destruction is thermally treated inside the SDC as an integral part of the process and is safe for public release once removed from the SDC. The exhaust gas from the SDC passes through a pollution control system compatible with U.S. or EU emission requirements.

The SDC is available in a variety of configurations and capacities. All SDCs are custom designed to meet the end-user's requirements.

For smaller munitions, DYNASAFE's **Munitions Destruction System (MDS)** is a hot detonation solution for the disposal of small arms and light weapon (SALW) conventional ammunition up to 37 mm. Explosives devices such as fuzes, igniters, detonators, signal ammunition, propellant powder, and munitions components can also be processed. The MDS can be combined with an optional DYNASAFE Off Gas Treatment (OGT) unit to make a complete system. The OGT is customized to comply with all environmental regulations in the country where it is to be installed. Additionally, there is an option to allow the unit be fed by robotic or automatic means. There are two models of the MDS, which differ by explosive capacity.

UXB International, Inc. is the sole North American distributor of DYNASAFE products and provides sales, warranty repair, end-user training, and integrated services within the U.S. and other key markets. UXB is a major end-user of DYNASAFE products as well as an active contributor to the development of new and improved products. DYNASAFE products are manufactured in an ISO 9000 accredited facility.

For more details see Munitions Destruction Systems at www.uxb.com.



SDC 2000



SDC 1200



Munitions Destruction System



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