Mobile SDC Series

Static Detonation Chamber

The SDC 200 & SDC 500 are mobile and transportable demilitarization units developed to minimize the logistical challenges and the expense of transporting ammunition to existing demilitarization plants.

These mobile plants can be moved from stockpile to stockpile and operate over a relatively long period in one place, before being moved to another.

The systems are comprised of a conveyor system, a detonation chamber, and an off-gas treatment system. The conveyor system transfers the munitions to be destroyed from the loading platform into an electrical indirectly-heated detonation chamber, effectively keeping the destruction process away from the environment.

The systems can process small- and medium-calibre ammunition, components, hand grenades, AP mines, and shells of up to 500 g TNT equivalent.

- Easy assembly and disassembly with vehicle mounted swing crane
- Relocate in as little as 5 days
- Designed to keep the operator safe
- Final scrap metal is recyclable
- Optional Off-Gas Treatment System to reduce emissions

Make the world a safer place

Technical Data

Characteristics	SDC 200	SDC 500
Max size feed object	150 mm x 150 mm (5.9 x 5.9”)	300 x 100 x 100 mm (11.8 x 3.9 x 3.9”)
Max weight feed object	1 kg per feed	5 kg per feed
Inherent safety for constant load	0.2 kg/ 0.44 lbs. TNT-eq	0.5 kg/ 1.10 lbs. TNT-eq
Weight furnace vessel	~12 250 kg/ 27 007 lbs.	~12 250 kg/ 27 007 lbs.
Weight furnace platform	~8 000 kg/ 17 637 lbs.	~8 000 kg/ 17 367 lbs.
Temperature in furnace vessel	400-650º C	400–650º C
Electrical connection capacity	160 kW	160 kW
Dimensions (L x W x H)	~2.50 x 2.50 x 5.75 m (8.2 x 8.2 x 18.9 ft.)	~8.50 x 2.50 x 4.50 m (27.9 x 8.2 x 14.8 ft.)
Area Needed	~40 x 40 m (131 x 131’)	~40 x 40 m (131 x 131’)

Options

Water Injection Module: cools flue gases within OGT, necessary for high quantities of infantry ammunition

Induction heating furnace: for use in place of electric heating based on available infrastructure

Electrical generator: flexibility for on-site power generation at any location

Mobility Options

Platform Mounted

Transport via Flatbed Truck

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