

# SDC

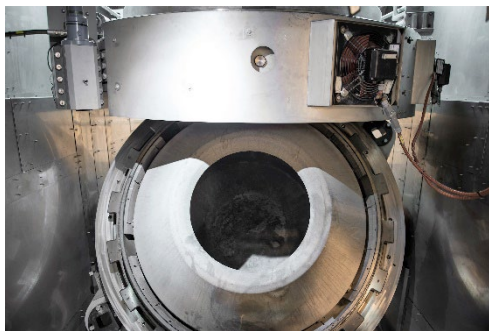
## Static Detonation Chamber

The SDC is a heated, armored chamber that operates at up to 550° Celsius and is capable of destroying conventional and chemical munitions.

The system is remotely operated and requires minimal human interaction. An operator puts the munition on the processing line and does not touch it again until it is safely treated by the SDC.

The SDC can withstand a detonation, though in most cases, the munition will undergo deflagration. The explosive is heated to its auto-ignition temperature, burning the munition until deemed unsuitable for its original intended purpose.

The SDC is a clean technology. Gases resulting from the destruction process are directed to the off gas treatment system, tailored to meet even the strictest of emissions regulations.



- Integrated control system optimizes operator safety
- Remote operated feeding system
- Clean alternative to OB/OD
- Resulting scrap free of explosives and safe to be recycled



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# Technical Data

Characteristics	SDC 1000	SDC 1200 CEM	SDC 1500	SDC 2000
<b>Feed Box Size</b>	250 x 250 x 400-800 mm	325 x 325 x 600-1 200 mm	250 x 250 x 400-800 mm	250 x 250 x 600-800 mm
Feed weight up to	50 kg	100 kg	100 kg	150 kg
<b>NEQ TNTe (unconfined)**</b>	1,5 kg	3.0 kg	4.5 kg	8.0 kg
Fragment Shield	Fixed	Interchangeable	Interchangeable	Interchangeable
Operating (shifts/day)	1-3	1-3	1-3	1-3
<b>Throughput</b>	~10-12 feeds per hour, 1000 kg ammunition per shift	~ 3-4 feeds per hour, 500-1000 kg ammunition per shift	~ 12 feeds per hour, 2000 kg ammunition per shift	~20 feed per hour, 4000 kg ammunition per shift
Environmentally Compliant	Yes	Yes	Yes	Yes
Mobility Option	Deploys in three weeks	Stationary	Stationary	Stationary

*\*Throughput and Feed Size/Weight provided is an example and may vary depending on the exact type of munitions. Throughput for chemical warfare agents is dependent on the amount of organic materials in the "feed". Throughput for conventional weapons is dependent on the level of disassembly and the amount of confined and unconfined explosives in the feed box.*

*\*\* Max amount of explosives per individual feed. This may vary depending on type, character and preparation of the feed material.*



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