

SDC

Static Detonation Chamber

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

The system requires minimal human interaction. An operator puts the munitions 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 up to its auto-ignition temperature, burning the munition so it is unsuitable for its original intended purpose.

The SDC is a clean technology. Emissions testing has confirmed compliance with environmental requirements.



- Safe, no donor charge required
- Integrated control system optimizes operator safety
- Fully automatic feeding system
- Clean alternative to OB/OD
- Resulting scrap metal safe to be recycled

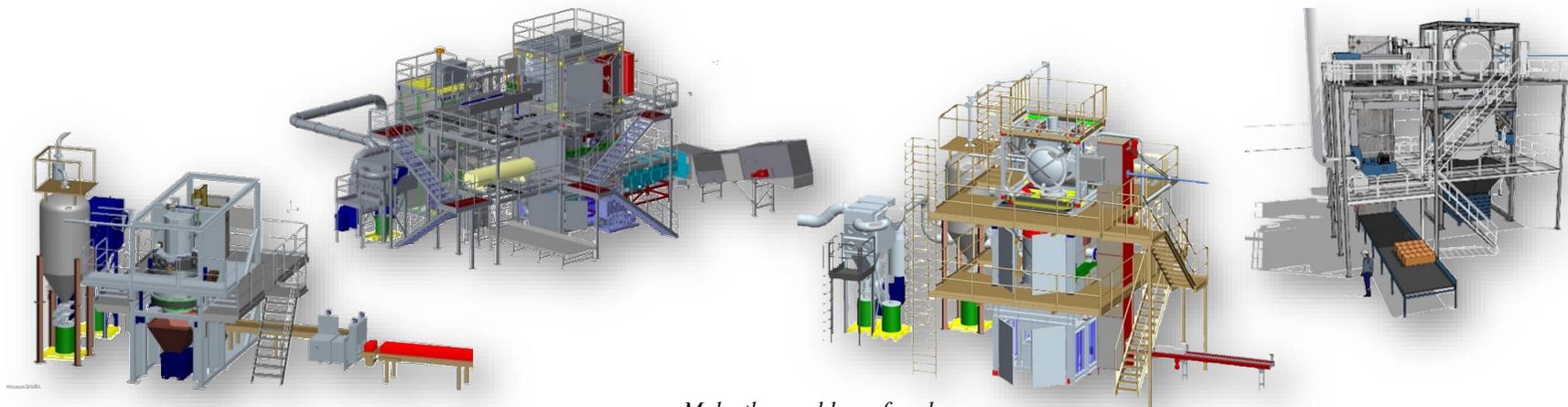


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Technical Data

Characteristics	SDC 1000	SDC 1200	SDC 1500	SDC 2000
Feed Box Size				
Small feed system			250 x 250 x 400-800 mm	
Large feed system	250 x 250 x 400-800 mm	325 x 325 x 600-1 200 mm	325 x 325 x 600-1 200 mm	400 x 400 x 1 200-2 600 mm
Feed weight	50 kg	100 kg	50 kg (small) 100 kg (large)	150 kg
NEQ TNTe	3.0 kg	3.0 kg	4.5 kg	8.0 kg
Fragment Shield	Fixed	Interchangeable	Interchangeable	Fixed
Operating (shifts/day)	1-3	1-3	1-3	1-3
Throughput- 7 hr. shift	2 x 30 kg box/ hr x 7 = 420 kg (926 lbs.)	4 x 60 kg box/ hr x 7 = 1 680 kg (3 704 lbs.)	6 x 40 kg small box/ hr OR 4 x 60 kg large box/ hr x 7 = 1 680 kg (3 704 lbs.)	4 x 100 kg/ hr x 7 = 2800 kg (6 173 lbs.)
Environmentally Compliant	Yes	Yes	Yes	Yes
Mobility Option	Deploys in three weeks	Stationary	Stationary	Stationary

**Throughput given is an example and may vary depending on exact type of munitions. Throughput for chemical warfare agents is dependent on the amount of organic materials in the "feed" and for conventional weapons it will depend on the level of disassembly and the amount of confined and unconfined explosives in the feed box.*



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