D100

Mobile Ammunition Disposal

The D100 is a small, mobile detonation chamber designed for the destruction of materials such as ammunition, narcotics, chemicals, and fireworks. Destruction is achieved by heating the objects above their initiation temperature which results in burning, deflagration, or detonation of the energetic material.

An operation temperature above the initiating temperature of the destruction object is set and controlled. There, action will take place at a typical temperature of around 300°C, depending on the type of explosives. At any time, the current temperature, heating time, and pressure can be monitored on the local display.

After the destruction process, a cool-down time of roughly 10 hours must take place before the resulting scrap metal can be removed. A basket inside the chamber ensures easy removal of solid scrap.

The D100 is set on machine feet and can be moved with a hand pallet truck to be fully mobile on a flat surface floor.

- Compact build for optimal mobility over flat surfaces.
- High personal safety with a manually operated tight lid
- Gas-tight containment achieved with a manually operated tight lid and seal
- Provides a recycling opportunity.

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Technical Data

Characteristics	Value	Condition/Comment
Capacity		
Max size feed object w/o basket (W x H)	300 x 300 mm	Feeding via the lid in cold condition.
Max size feed object via feed tower (L x W x H)	200 x 70 x 60 mm	Feed tube is roughly 200 mm in length and 100 mm in diameter
Maximum detonable load	50g TNT eq	Non-fragmenting explosives
Process		
Max Operation Temp. (°C)	530º C / 986º F	Design temp. 550°C
Heat up time	~ 3 hours	Depending on set temp.
Typical clean burning time	~ 1 hour	Depending on Destruction Objects.
Cool down time	~ 10 hours	
Design pressure	20 bar	
Dimensions and weight		
Dimensions (L x W x H)	~ 1440 x 1000 x 1200 mm	Without feed tower. Feed tower adds around 500 mm height.
Weight	~ 600 kg	Weight with feed tower ~ 690kg.
Electrical system		
Electrical Connection	230 V, 50 Hz, 32 A	European standard connection; other standards are available upon request.
Max. Power consumption	5kW	During heating up.

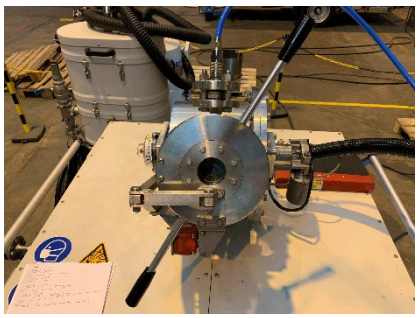
Options

Feeding Tower: Safely enables hot feeding of small items without cooling down; weighs approximately 90 kg.

Off-Gas Treatment System: Cleans and filters resulting off-gases prior to being released into the environment.

CCTV Surveillance System: Provides monitoring capabilities when feeding.

Inner baskets: Ensures easy removal of solid scrap after the burning cycle, different configurations available



Feeding Tower

Off-Gas Treatment System

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Rev. 2022

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