

Chemical Weapon Destruction Facility

CAPABILITY SHEET · REMOTE ROBOTIC DEMILITARIZATION · ENGINEERED SYSTEM CONCEPT

THE SYSTEM

WHAT	An engineered, unmanned and remotely-operated demilitarization line that safely destroys chemical munitions: robotic multi-head drilling accesses each casing, the filler is drained to neutralization and the emptied casing decontaminated, all inside sealed containment.
STATUS	Engineered capability / scalable system concept - NOT a claim to have destroyed a specific stockpile. Built on Neometrix's proven hydraulic multi-head drilling, remote-handling and sealed-containment engineering; configured and built to a programme's specification.
DRIVER	Chemical Weapons Convention (CWC) obligations require states to destroy declared, recovered and legacy chemical munitions - and to do it without exposing personnel, which is the engineering problem this line is designed to solve.

HOW IT WORKS

HANDLING	Automated conveyor with programmed loading; precision-engineered clamps locate and hold each munition square to the drilling head - no manual handling of munitions at any stage.
ACCESS	Multi-head robotic drilling with alignment guides; controlled feed, depth and thrust access the filler cavity along a planned trajectory that opens the munition without rupturing the casing.
PROCESS	Drained filler routed to neutralization; emptied casing decontaminated to inert scrap; only cleared material leaves the cell - nothing hazardous crosses the containment boundary un-treated.
CONTAINMENT	Sealed structure held at negative pressure so leaks draw inward; extracted air passed through an exhaust scrubber and filter bank before release.

SAFETY & CONTROL

REMOTE OPS	Fully unmanned; the line is run from a shielded remote control room. Operators observe on a 24/7 high-resolution camera system and can trigger a remote emergency stop instantly.
FAIL-SAFE	Multiple independent interlocks; designed so no single fault - a stuck valve, a lost sensor, a power dropout - can release agent or expose personnel. Sealed containment bounds any credible release.
THROUGHPUT	Designed for continuous, large-scale campaigns; capacity is set by drill heads, conveyor indexing and parallel cells and sized to the stockpile and schedule, not quoted as a fixed count.

CONFIGURATIONS & ENGAGEMENT

CONFIGURATIONS	Chemical-munition line; conventional high-explosive munition disposal; mobile / recovered-item containment cells; and the supporting handling, remote-handling and sealed-test infrastructure around a programme.
COMPLIANCE	Engineered to support CWC demilitarization obligations; configured to the applicable national and verification regime.
ENGAGEMENT	Send munition types and quantities, intended neutralization route, site and containment constraints and compliance regime to sales@neometrixgroup.com - a configured concept returns within two working days. Export subject to Govt authorisation.

DEFENCE PROGRAMMES DESK

sales@neometrixgroup.com · +91 7777 876 876 · neometrixgroup.com

Neometrix Defence Limited · E-148, Sector 63, Noida, Uttar Pradesh, India

Presented as an engineered system concept built on Neometrix's proven drilling, remote-handling and containment engineering; configured and built to a specific demilitarization programme.