

Vapour Degreasing & Blast Cleaning Line

CAPABILITY SHEET · SOLVENT FIRST · PRESSURE BLAST · FLAMEPROOF LINE · ENGINEERED TO ORDER

THE ONE IDEA

PRINCIPLE	You cannot blast oil off. You can only blast it in. The solvent stage comes first, and the order of the line is the product.
WHY IT MATTERS	Abrasive blasting smears oil and grease into the roughened surface and contaminates the recycled abrasive, so a coating applied afterwards has nothing sound to grip.

THE LINE

VAPOUR DEGREASING	A boil sump, condensing and freeboard coils and a recovery still. Clean solvent condenses on the part, dissolves the oil and runs back to the sump, so every part is finished with fresh distillate and emerges dry.
PRESSURE BLAST	A blast station with blast pots and nozzles or lances, abrasive recovery and dust collection, with the part presented by a rotator or manipulator so that coverage is even.
SAFETY BASIS	Where the solvent is flammable the whole line is designed as a flameproof installation: flameproof electrics, fume extraction, ventilation and interlocks, from the first layout.
HAND-OFF	Dust is extracted, the surface is cleared and the component is handed on to coating quickly and in dry air, before the freshly blasted surface begins to deteriorate.

CONFIGURATIONS

DEGREASING CELL	The solvent stage alone, for components that feed a separate process.
TWO-STATION LINE	A degreasing station and a pressure-blast station, with the component moved from one to the next under a defined procedure.
INTEGRATED LINE	Both stations, a rotator or manipulator, shared controls and interlocks, so the order cannot be skipped or reversed.

STANDARDS & SCOPE

STANDARDS	SSPC-SP 1 for solvent cleaning ahead of blast cleaning, ISO 8501-1 for the visual cleanliness of prepared steel, and the IEC 60079 series for equipment in hazardous areas are the public references this class is designed against.
SCOPE BOUNDARY	This is a line built around solvent vapour degreasing ahead of a pressure-blast station. It is not a wheel-blast or shot-peening machine and not an aqueous hot-wash bay.
STATUS	Neometrix engineers vapour degreasing and blast cleaning lines for large components to order, and no delivered vapour degreasing or blast cleaning line is claimed.

DEFENCE PROGRAMMES DESK

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Descriptions define the equipment class Neometrix engineers to order and are not a quotation. Solvent, component size, throughput and site constraints are established against the customer's own specification at design review. ISO 9001 / ISO 14001. © Neometrix Defence Limited.