

Screw Filling Machine

CAPABILITY SHEET - METERED BY ROTATION + PROVEN BY WEIGHT + CONVERSION KITS - ENGINEERED TO ORDER

THE SYSTEM

WHAT	Screw filling machines for large-calibre shell filling - a measured, laid, weighed and recorded fill, one shell at a time, with nobody in the bay.
OUR ROLE	Neometrix engineers the machine, handling, weighing, records, conversion kits and bay integration, then installs, commissions and supports.
STATUS	Engineered to order; quoted across screw filling machine and shell filling-line requirements. No delivered screw filling machine is claimed.

THE MEASUREMENT

METERED	An auger displaces a known volume per revolution, so the fill is commanded in rotation, not time - servo drive with position feedback.
PROVEN	A load cell under the shell takes tare and gross for every shell; accept, reject and divert are decided by the machine, not by judgement.
LAID, NOT DROPPED	The nozzle enters and withdraws as the level rises, laying a dense uniform column from the base up - because a void is a defect.

THE PLANT

CONVERSION KIT	Changeable screws, barrels, nozzles and fixtures with stored recipes take one machine between natures - a timed, tool-controlled changeover.
CHANGEOVER PROOF	Every conversion ends in a verification fill and weight check before the first accepted shell - a procedure with a proof, not a parts list.
NOBODY IN THE BAY	Remote operation behind a barrier, interlocked access - and the jam, the stall and the part-filled shell all recovered from outside.

DISTINCT & HONEST

THE BOUNDARY	We engineer the machine, not the material - fill materials, their handling and their licensing are the customer's and the authority's to specify.
OUR FRANCHISE	Machine, handling, weighing, records, kits and bay integration are ours; drives, load cells and controls are bought-in certified items.
ENGAGEMENT	Send the natures, the fill tolerance and the bay to sales@neometrixgroup.com for a clause-by-clause compliance matrix in two working days.

DEFENCE PROGRAMMES DESK

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

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