

# SPECIAL-PURPOSE MACHINES



*One of 3 multi-function monobloc systems precision filling granules into petrol tank breather filter cartridges for the Japanese motor car industry with loading/unloading by a single operator.*



*Indexing motion rotary system for vending drinks powders into canisters with extremely small neck opening, including checkweigher feedback and auto-stacking.*



*A puck indexing system for laser printer cartridges with tare and gross weighing, two stage filling, intermediate vibration, capping, weight/cap control, coding, single operator loading/unloading.*

Typically, the remit we receive is for a single machine to perform any number of functions, fully automatically, with integral checking/control of the final product and zero operator intervention.

Often, the containers will be unstable and diverse, requiring pucks and special handling systems. Difficult powders and exacting fill weights may require multi-stage filling with intermediate tamping or vibration, with weigh systems being employed before the fill, during filling, between fills and/or downstream as a final check with/without reject.



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ALL-FILL INTERNATIONAL LIMITED  
REGISTERED TO ISO 9001  
CERTIFICATE NO. A6246

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System for weigh-filling narrow-neck vials and bottles for the European Commission, with tray loading, rubber stoppering and integral isolation glove-box enclosure.

Proprietary items for functions such as vial stoppering, cap closing/sealing, labelling, coding etc. are sourced from recognised manufacturers and brought together and integrated with All-Fill designed and manufactured filling and handling equipment.

A single PLC and touch screen panel bring all of the individual elements together. Simple-to-use screens with specially drawn CAD graphics and digital images in full colour, control the various functions with all variable parameters programmed and held in memory for immediate recall.



Liaison with the client is an important and integral part of the design process, with regular consultations and stage-by-stage approval of drawings. The scope of supply will often change and widen as the design possibilities are explored, resulting in a custom-engineered solution which exceeds and out-performs the original remit.



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