

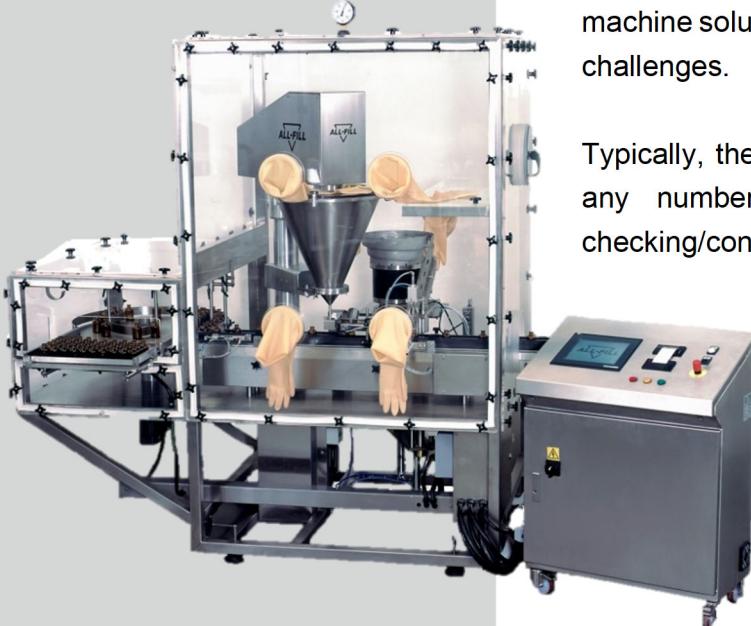


Special-Purpose Machines

Over 35 years' experience in supplying individually tailored equipment to industry has provided All-Fill with a comprehensive "library" of technologies and techniques to develop special purpose machine solutions to clients' diverse filling and handling applications challenges.

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.



Puck Indexing System for Laser Printer Cartridges, comprising:

- ▼ Tare and gross weighing
- ▼ Two stage filling
- ▼ Intermediate vibration
- ▼ Capping
- ▼ Weight/cap control
- ▼ Coding
- ▼ Single operator loading/unloading



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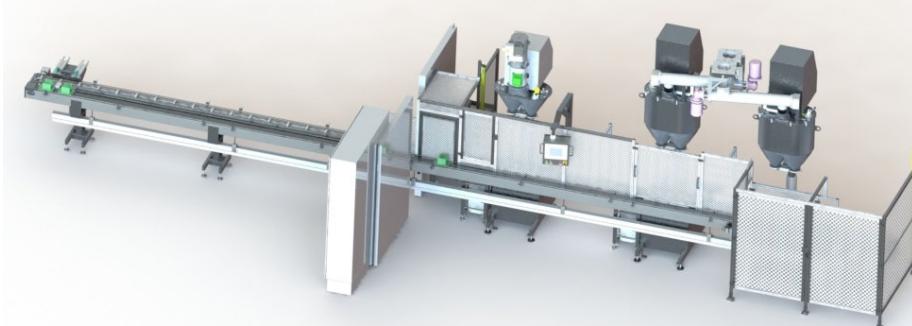
Indexing System for Filling Soldering Paste, comprising:

- ▼ Indexing turret
- ▼ 3m conveyor section
- ▼ Downstream weigh station
- ▼ Reject conveyor
- ▼ Wire product cut-off system

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.

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

A single PLC and touch-screen panel bring all 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.



Ex (ATEX) Certified Toner Filling System, consisting of:

- ▼ Three Siamese filling head
- ▼ Six weigh-cells
- ▼ Two reject stations
- ▼ Return conveyor

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