



single station filling machine

This is a single station filling machine designed to fill two pots of differing size and shape.

The design brief was to make the machine as easy and fast as possible to change from one type to the other.

The machine accepts the pot via an infeed conveyor. A sensor acknowledges the presence of the pot and signals a weigh system to release product into the pot via a PTFE coated funnel. The pot is vibrated for a set time to level out the product, it is then turned through 90° onto the outfeed conveyor and once clear the tool is reversed to accept another pot.

Because of its simplicity the machine was able to be controlled by an intelligent relay. The changeover procedure takes a matter of minutes and does not require any tools.

This single station machine replaced a multi-station indexing carousel. The line changeover time has now been reduced by two thirds.

