



# Pail Filler & Lid Closer

## Imagined

Develop a fully automated and highly accurate filler specific to the metal and plastic pail filling markets, with an integrated lid closer.

## Engineered Solution

Developed a highly reliable yet flexible filling platform offered with 'net-weigh' or 'mass flow' fill controls, and can accommodate a range of valve designs.



Containers are automatically advanced through each station by a pneumatically actuated stainless steel reciprocating beam equipped with spring loaded fingers that capture the trailing edge of the pail to advance it by one station per index cycle. Pail guides are mounted with quick change rail brackets. Walking-beam assembly may be quickly and easily disassembled for cleaning and wash down. The container sits on top of a stainless steel scale platform, shrouding the digital scale.

Equipment is optionally supplied with an air purged control enclosure and intrinsic safety barriers to make the system appropriate for explosion proof applications (Class 1, Div. 2, Groups C, D).

Also available with automatic lid placing from a magazine, and as a twin head version, yielding a throughput rate of 10 pails per minute.



Fill valves are mounted to an adjustable "column slide" in order to accommodate multiple pail heights.

System can include a top fill, capillary nozzle, integrated with a pneumatically actuated, automated ball valve, or a plug valve with positive shut off and blow off capabilities.

The lid closing station is pneumatically actuated and can operate interchangeable crimp heads for crimp-top, metal pails, or a pressure plate for plastic pails. Closing head is easily connected and removed via a quick disconnect pin.

