

INSPECTION + PACKING FEATURE

Dimac L-Box: A packaging solution for 100% quality

To ensure total quality, performance, and the usability of products, Italian-based Dimac recommends that fasteners are always packed in-line using 100% inspection and sorting equipment.

Dimac Srl points out that a fastener packaging system does more than just package fasteners. It accurately fills the specified package with the correct amount of conforming parts – as requested by the final customer – directly after inspection, avoiding any external contamination.

A key factor in this process is the increasing demand for versatile boxing equipment within fastener sorting departments. To answer this demand, Dimac suggests the L-Box – a state of the art packing machine, which has been designed to combine with Dimac 100% inspection machines, as a turnkey solution, to provide a complete working cell – where the control cycle ends with the parts packaged to be delivered or stored into the company stock.

The layout of L-Box can be customised upon customer demand to handle a wide range of containers with different lengths, widths and heights. It can also be plugged into any other master sorting equipment to perform a 'slave' boxing cycle by key switching to auto mode.

Dimac's L-Box set-up is controlled by a very intuitive, user-friendly panel, equipped with manual and automatic commands. A conveyor belt brings in the empty containers under the adjustable filling chute, whilst the filled containers are fed out by gravity through a free-rollers track to be unloaded. Sensors are fitted to prevent box collisions or wrong container positioning, while alarms display from where any problem is coming from (i.e conveyor belt or pneumatic cylinders) making it very simple to troubleshoot. The operator task is limited to simply adding empty containers into the L-Box and unloading the filled ones.

"The L-Box speeds up factory automation and logistics, positively influencing the processes and reducing time and costs," states Dimac. +

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