

SENSITIVE AP400 BFS

LABELLING MACHINE FOR BFS STRIPS



SENSITIVE AP400 BFS

BLOW FILL SEAL SINGLE DOSE PRODUCT CONTAINERS ARE BECOMING INCREASINGLY POPULAR DUE TO THE ADVANTAGES THAT THIS PACKAGING SOLUTION OFFERS IN TERMS OF PRODUCT SAFETY AND EASE OF USE. FILLED WITH STERILE PHARMACEUTICAL LIQUIDS, BFS ARE GENTLY HANDLED BEFORE MOVING ON TO LABELLING AND SUBSEQUENT PACKAGING STEPS.

Renowned as a leading supplier in the field of labelling machines, IMA Life designed the Sensitive AP400 BFS. The machine applies self-adhesive labels on the top and bottom of Blow Fill Seal containers, combining high handling accuracy for BFS strips, maximum precision in label application and excellent performance in terms of speed, a key issue when dealing with this type of container.

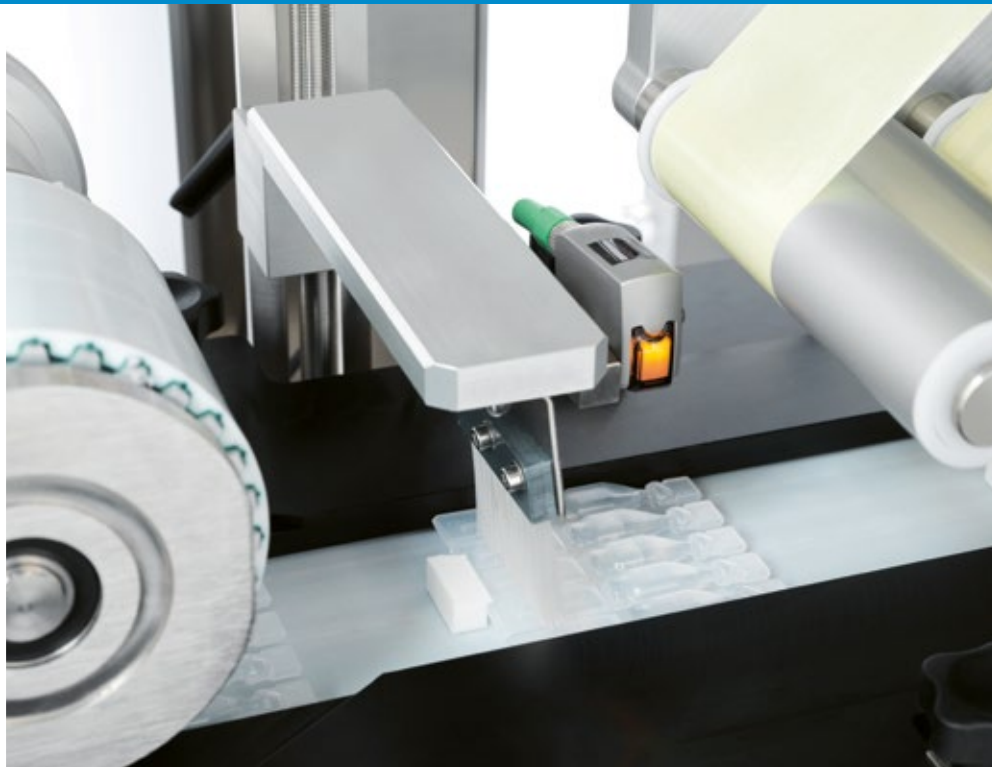


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SENSITIVE AP400 BFS WORKFLOW



Minimum load sensor at product infeed



Product infeed and presence check

BFS FEEDING AND TRANSPORT

Robotic systems, able to unload BFS containers from trays, orient and guide them to the infeed conveyor belt of the Sensitive AP400 BFS labelling machine. A positive transport system then provides the appropriate spacing between the strips before the labelling phase.

The conveyor belt has its own motorization based on latest-generation brushless technology, synchronised with the machine drive to ensure the maximum reliability while transferring the strips.





Labelling unit

LABELLING UNIT

The label dispenser, the application group and the transport systems are perfectly synchronised thanks to the main electronic encoder.

The labelling head for multiple and parallel labels applies the labels during container transfer. A dedicated pusher device will also be installed following the shape of the BFS containers.

A photocell sensor detects label spacing on the reel and adjusts label release so that the label is always applied in the correct position on the container.



SENSITIVE AP400 BFS WORKFLOW

BFS OUTFEED

After the labelling phase, a sensor or a vision camera checks label presence and reads data on the labels.

In the case of non-conformities, the BFS strips are automatically rejected through an air blow system. Two boxes positioned in the machine basement collect faulty products.



ADDITIONAL FEATURES

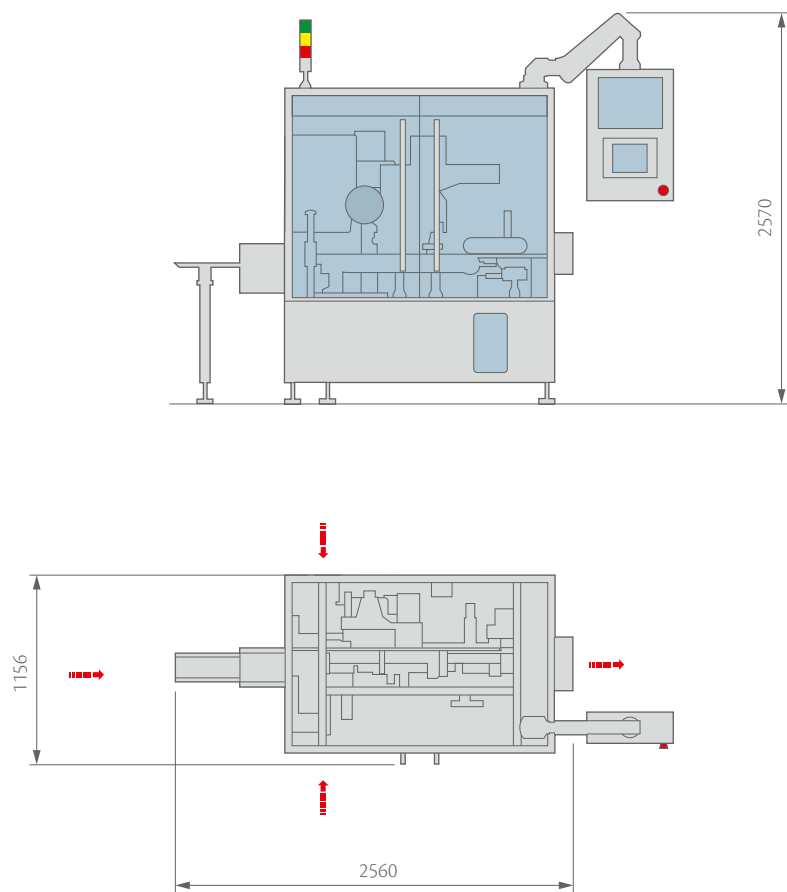
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CONTROL SYSTEM

Located outside the machine and easy to reach by the operator, the control panel features PLC controlling and is equipped with an HMI for the supervision and monitoring of machine status, recipe, speed, alarms and production data.

TECHNICAL DATA



Front or rear side BFS feeding as an option

SENSITIVE AP400 BFS	
Maximum output (pieces/minute)	400
Installed power (kW)	2
Standard voltage	400 V - 50 Hz
Weight (kg)	750
Size range (parallel BFS)	5/10
BFS label length (mm)	15-50
BFS label height (mm)	5-12
Label accuracy (mm)	0.8-1

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