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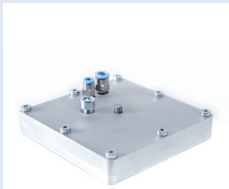
» APPLICATOR APL 100

» Real-time labelling

- 3 application possibilities in one device: tamp – roll-on – blow
- Long service life: The ball-bearing guide bars are low-wearing
- Variable: The lift cylinder allows labelling at products with different heights
- Simple adjustment and control as well as easy operation with external I/Os
- Process reliability: Compressed air, vacuum and cylinder sensors provide for error free procedures
- The supporting air jet stream, induction air and lifting speed can be adjusted
- The pressure can be reduced for highly sensitive products and packaging
- Labels up to a height of 200 mm and a width of 176 mm can be dispensed

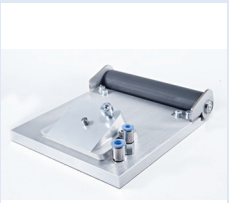
» Tamp pad

During the print and apply cycle the product remain fixed. The universal tamp is covered by a foil. According to the size of the label the holes can be pierced. The tamp pads are customized to the dimensions of the label sizes on request.



» Blow pad

For non-applying pressure to sensitive products the label can be blown onto the product with the supporting air jet stream. The print and apply cycle performs in a fixed position or in a linear movement of the product. The blow pad moves to a preadjusted position approx. 10 mm away from the product.



» Roll-on pad

In the starting position the label is forwarded until touching the roller of the roll on pad. At the labelling position the roller is pressed onto the product. Then the label is applied and rolled on by the movement of the product.

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» TECHNICAL DATA

	STAMP ON	BLOW ON	ROLL ON
Label width	25 – 176 mm	25 – 176 mm	25 – 176 mm
Label height	25 – 200 mm	25 – 100 mm	80 – 200 mm
Cylinder stroke		300 mm	
Pad stroke below printer		180 mm	
Compressed air pressure		5 bar	
Product surface		flat	
Product height variable	✓		✓
Product height fixed		✓	
Product fixed	✓	✓	
Product linear movement		✓	✓

Technical data subject to change

The applicator APL 100 is an optional device to use with label printers of the Compa II series for automatically applying the printed label onto the product. The labels are transferred with a pad, which moves between the two positions, starting position and labelling position, by a compressed-air driven pneumatic cylinder.

In the starting position, the label is picked up from the printer. A sensor at the cylinder signals when the pad is in the starting position. The label is removed from the carrier ribbon directly at the dispense edge of the printer.

It is sucked on the pad by a vacuum via drillings at the bottom of the pad. For support, the label is also blown against the pad (supporting air) with an air current coming from a blow tube. The correct transfer of the label is controlled by a vacuum sensor. Next, the pad is moved down into the labelling position. Reaching the labelling position is confirmed by another sensor (labelling position sensor). In the labelling position the label is transferred onto the product. While the pad is moving back into the starting position, the vacuum sensor checks whether the label has been removed from the pad.

The supporting air and the vacuum as well as the speed of the cylinder are adjustable. That way the applicator can be adapted to different label materials and sizes. For integration into a superordinated process the printers are equipped with ‚Dispenser I/O‘.

TÜV ISO 9001

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