Pallet labeller

AP 182

Bluhm Weber Group

Weber®
LABELING & CODING SOLUTIONS

Printing dispenser system for 3-sided pallet labelling

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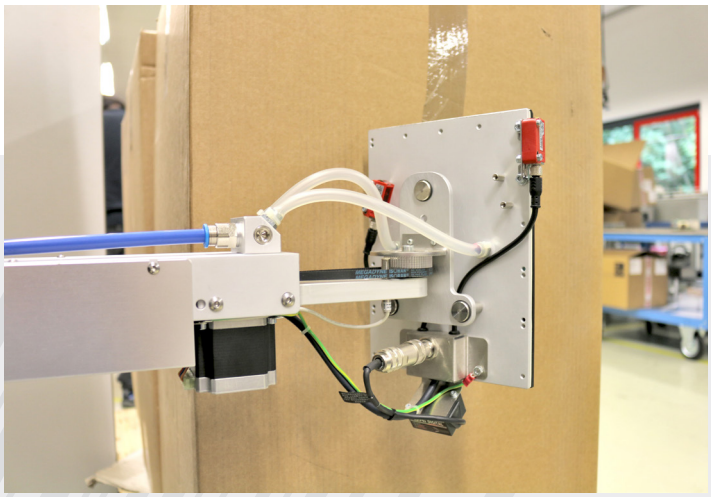
Labelling with controlled sequences of movement

The AP 182 Tamp-blow applicator has stepper motor driven linear axes. This drive technology has advantages of controllable movement sequences, activated for each pallet. DIN A5 labels in portrait format according to EAN128 Standard are either blown onto the product surface at close range or applied by direct contact of the spring-loaded dispensing plate.



Labels are printed using an integrated printing module. The rectangular AP 182 printing dispenser system enclosure comprises a profiled frame construction with stainless steel cladding, except for the transparent side door. High AP 182 flexibility allows up to 7 different movement profiles, variably combinable per pallet. This allows individual 1-, 2- or 3-sided labelling of each approaching pallet.

System advantages

- Compact and robust 3-side labeller
- Developed for 24/7 operation
- Only 2 pallet stop positions are required for labelling on 3 sides
- Uses large 350 mm diameter label rolls
- CE, thus no safety guards required
- Spring-loaded dispensing head to press on labels; no inductive sensors required
- Ready for scanners at the dispensing head, for verification
- Pan-European system distribution
- Print module technology of leading global manufacturers incorporated
- All components and spare parts are standardised, originating from series production systems

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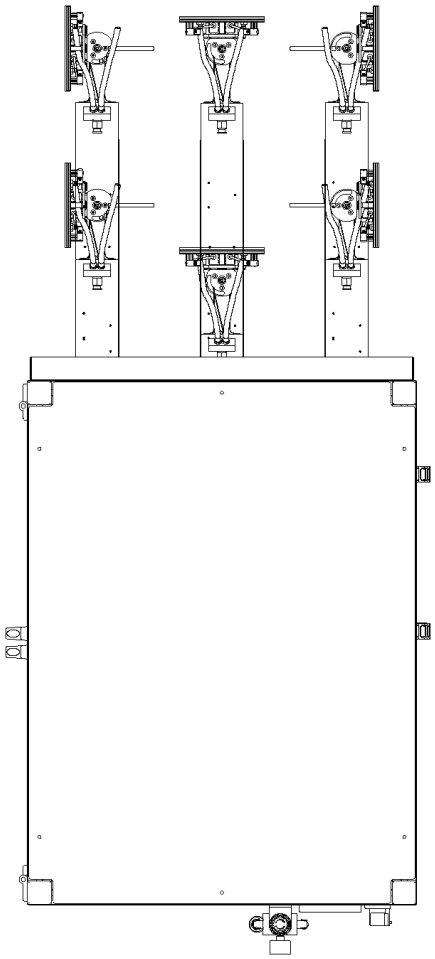
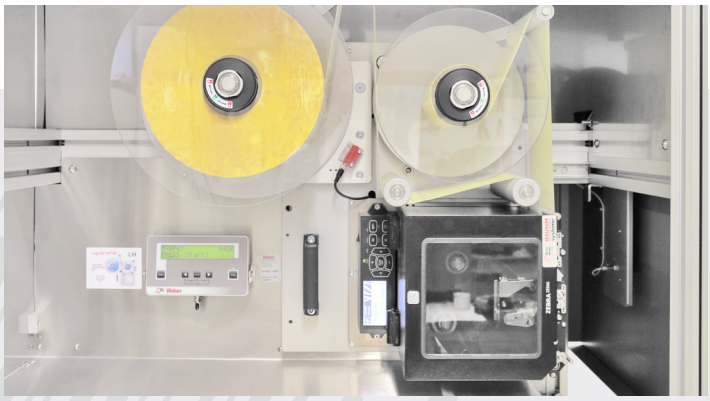
Performance data	AP 182
Printing technology	Thermal transfer or thermo direct
Print resolution	203 dpi, 300 dpi, 600 dpi
Max. printing speed	400 mm/sec., depending on print module and material
Standard label size	150 x 210 mm (GS1)
Optional label size	100 x 150 mm, other sizes on request
Dispensing head size	150 x 220 mm fixed
Label gap	minimum 3 mm
Label roll	Ø 350 mm, up to 500 running meter, with labels outside
Roll core	Ø 76 mm (3 “)
Data interface	all conventional interfaces
Control interface	floating outputs (relays), Optocoupler inputs, Ethernet
Dispensing clock rate, max.	90 pallets/hour with 3-sided labelling; 120 pallets/hour with 2-sided labelling
Dispensing accuracy	± 2 mm on a stationary pallet
Number of pallet stops	2 stops for 3-sided labelling acc. to GS1; 1 stop for 2-sided labelling acc. to GS1
Printing dispenser activation	floating contacts (SPS)
Standard alarm system	Error message in display, floating contacts (PLC)
Options	Substructure, 3-colour alarm lamp, RFID labelling, heating for use under particularly difficult environmental conditions, IPC in protective enclosure, label printing software Legitronic®, Bluhmware for system control and linking, label presence check with scanner at dispensing tamp for 1-D and 2-D codes, vision systems, sensors, RFID gates system frame in various versions (fixed, height-adjustable, rotatable)

Freely programmable label positions





Technical data	AP 182
Power supply	92 to 263 V AC / 50 ~ 60 Hz, 5 ampere
Dimensions	Height excl. substructure 981 mm, width 731 mm (plus 450 mm door opening), length 1 123 mm
Weight	130 kg and more (depending on substructure)
Compressed air connection	6 bar (clean, dry, oil-free acc. to DIN ISO 8573-1)
Compressed air consumption	3 l per label, depending on label size and setting
Ambient temperature	10 to 35 °C
relative humidity	15 to 95 %, non-condensing
Dust protection enclosure	Aluminium profiles with stainless steel sheets
Certification	CE, GS1 compliant marking

Sensors recording variable strokes

The AP 182 dispensing head has two optical sensors. The first sensor serves as an optically variable stroke sensor. It captures the distance to the product and, depending on the setting, trigger label blow-off from the dispensing tamp at ca. 15 mm distance and retraction of the tamp to home position. The second installed optical sensor faces the inside; towards the dispensing tamp spring bearing. The spring bearing does not need an additional inductive sensor to capture tamp movement as it presses against the product. A fixed point on the dispensing tamp mounting is optically measured. The first optical sensor triggers when the tamp is pressed in as it contacts the product. The device parameters allow post-pressing times (path) to be defined, allowing additional pressure on the label where necessary.

Technical changes reserved.

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