LEGI-AIR 4050 E
Flexible and carefree labeling

Legi-Air 4050 E is a robust and proven print & apply system that meets all the requirements of a modern labeling system far beyond what is demanded today. Thanks to its consistent modular design, the system can be individually adapted to the particular application: **Printing modules from all leading manufacturers can be used in the Legi-Air 4050 E**. The wide range of labeling applicators available and very stable. They allow any labeling position and apply very precisely even in high-speed applications. The latest version of the Legi-Air 4050 E has proven technology as well as some new highly interesting technical features.
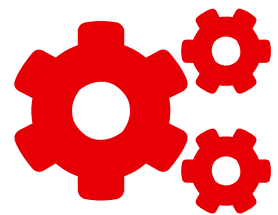
Reduced compressed air consumption

The modulated vacuum reduces air consumption by up to 80 %: To do this, the integrated sensors measure permanently the pressuse. The valve technology makes adjustments, if needed.

Minimum wear

Due to the motorized operation of not only the winder but also the unwinder, the print module wears out less. At the same time, this makes the prints extremely precise.
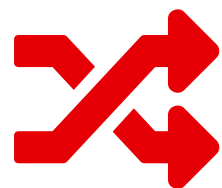
No maintenance parts

The print & apply system is designed completely without maintenance parts. Components are only replaced as required. Only the print modules need to be maintained according to the relevant manufacturer's specifications.

Modular design

The Legi-Air 4050E has a consistently modular design and can thus be individually adapted to the requirements of the respective application. The labels can be printed with print modules from all leading manufacturers.

3-color alarm light
Alarm light for visual information about the status of the print & apply system.

1- and 2D-scanners / vision systems / RFID gates
Systems for product identification, label reading, validation and label presence control.

Sensors
Various sensors for variable stroke unit scanning or product sensing.

Performance Data	Legi-Air 4050E
Printing technology	thermal transfer or thermal direct
Print resolution	203 dpi, 300 dpi, 600 dpi
max print speed	400 mm/sec., depending on print module and material
label size tamp-blow	from 12,5 x 7 mm to 160 x 210 mm, depending on label quality
min label size	10 x 5 mm
max label size	160 x 350 mm, optional: 173 x 350 mm
max stroke unit height	optionally usable up to 1,160 mm
Dispensing applicators	90° / 180° rotating dispensing stamp, 90° / 180° swivel applicator, corner labeling, double-sided labeling, 1-sided pallet labeling with extra long stroke unit, linear applicator up to 1,200 mm stroke unit, short-stroke high-speed linear applicators, servo applicators
Label gap	minimal 3 mm
Label roll and roll core	Ø 300 mm, up to 450 linear meters, winding outside, opt. in Ø 76 mm (3 ")
data interface	all common interfaces
Control interface	potential-free outputs (relays), optocoupler inputs, M12 connection 240 labels/min, depending on label size, text change and stroke unit
max dispensing cycle rate	240 labels/min, depending on dispensing distance, applicator type and label size
Dispensing accuracy	± 0,8 mm with stopped product, optional ± 0,5 mm
Print & apply activation	Reflective sensor, photoelectric sensor, inductive or capacitive
Alarm system standard	Error message in 7" LCD display, potential-free contacts (PLC)

Technical data	Legi-Air 4050E
Power supply	92 to 263 V AC / 50 ~ 60 Hz, 5 Ampere
Weight	from 75 kg (depending on version)
Compressed air supply	6 bar (clean, dry, oil-free according to DIN ISO 8573-1)
Compressed air consumption	0.1 to 3 l per dispensing cycle, depending on label size
Ambient temperature	2 to 35 °C
Humidity rel	15 to 95 %, non-condensing
Dimensions (HxWxD)	584 x 765 x 709 mm
Printing unit	Flexible printing module technology, e.g. Datamax, Sato, Zebra, Avery, CAB
Approval	CE mark