



## KLA 4750

### Fully automatic labelling system with high capacity and intelligent robotics

KLA 4750 is a fully automatic labelling system that handles all types of boxes and that is able to label e.g. E1, E2 and Euro boxes. Each label can be positioned exactly as needed by means of the intelligent robotics. KLA 4750 is approved for weighing and settlement and has a capacity of 1,100 boxes per hour.

#### KLA 4750 characteristics

- Labelling of e.g. E1, E2 and Euro boxes
- Approved for weighing and settlement
- Capacity of 1,100 boxes per hour
- Designed for demanding production environments
- Ethernet IP/TCP, field bus and OPC technologies
- Low maintenance costs



## Full-line supplier for the food industry

DK EL specialises in fully automatic labelling systems for food production companies. We can supply labelling systems as a stand-alone product and we can integrate it into your existing packing facility or design and deliver a complete new packaging system.

### Technical specifications

Load range*	3 - 10,000 g
Accuracy**	From $\pm 0.01$ g (10 mg)
Capacity**	Max. 600 weighings per minute
Length of infeed belt (A-A) area	Length of infeed belt (A-A) area
Width of infeed belt (B-B) area	60 - 400 mm
Length of weighing belt (A-A) area	150 - 600 mm (distance between the roller centres)
Width of weighing belt (B-B) area	60 - 400 mm
Length of reject belt (A-A) area	250 - 1800 mm (distance between the roller centres)
Width of reject belt (B-B) area	60 - 400 mm
Line height (TH), other heights upon request	550 - 1,500 mm ( $\pm 50$ mm)
Compressed air supply	Approx. 6 bars (87 PSI)
Noise level, standard system at full speed***	Less than 70 dBA at 1 m height and 1 m distance
Setup memory for product (sample)	Capacity up to 400 products
Classification	3-7 weight zones
Resetting	Automatic or manual
Electrical (with lockable mains switch)	110/230 V AC, single phase, 50/60 Hz, 750 VA-1 kVA
Density	IP 54, optional IP 65 (density)
Surface finish	Stainless steel

### Technical data

#### Approval No. (DE)

DE-17-M1006-PTB006. Scale and dimension design approval for official certification (may be MID-certified)

#### Weighing technology

Load cell with electromagnetic force restoration (EMFR), digital, maintenance-free, with temperature compensation, manufactured in Switzerland.

#### Weighing terminal (HMI)

15" TFT colour display with touch screen, emergency stop button, individual user access profiles with password protection, more than 30 selectable languages for dialogue/messages, displaying of updated key-weight data, production and configuration monitors, as well as data recording and distribution in real time.

#### Tape speed

Continuously variable

### Options and accessories - mechanical/electro-mechanical

- High-performance conveyors or precision conveyors for highest precision weighing
- Water protection design (IP65, conveyor in stainless steel with easy removal of the belt)
- Up to six additional infeed conveyor belts and/or inlet timing screw for timing and distance
- Side handle or top-bottom conveyor belts for problem-free product transfer
- Different sorting/separation devices such as the air nozzle (air flow), pusher, swing gate, lift gate, lifting belt, drop-down belt
- Product collection devices, such as collection containers in plastic or stainless steel, turntable and gravity roller conveyor
- HMI or housing mounted separately for optimum user-friendliness
- Various screens and safety measures for improved weighing result and better process security

### Options and accessories - electronics/software

- Comprehensive statistical functions and printing/output possibilities
- Automatic filling process adjustment (feedback control system with eight individual controllers for filling heads), standard or extended version
- Several sensors that detect obliquely placed samples or open samples - to ensure high product quality
- Comprehensive monitoring and alarm functions, for example redundancy detection and subsequent fault detection as well as colour-coded and/or acoustic signal devices to facilitate instant reaction to product line problems
- Data interfaces and protocols, e.g. field bus (DeviceNet, PROFINET, PROFIBUS), OPC DA and UA, RS232/422/485, CL20 active/passive, industrial Ethernet/IP
- Interface for the Mettler Toledo FreeWeigh. Net™ system or the ProdX™ data management system - for remote access and improved insight into production processes
- Control panel (control cabinet) in accordance with UL508A

#### Do you need a fully automatic labelling system?

At DK EL, we are working with all phases from design to final testing and commissioning. With one full-line supplier you get a reliable labelling system, which is 100 percent adapted to your needs and production environment.

\* Depending on the product (sample) weight and design as well as the dimensions of the used weighing conveyor  
 \*\* Within the official error margins depending on the weighed product weight, dimensions and transport characteristics  
 \*\*\* Certain options for conveyor and sorting/separation may increase the system's noise level

**DK EL ApS**

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