

DIAMIND | LINE

PHYSICAL CONTAMINATION DETECTION
+ WEIGHT CONTROL

X-RAY + CHECKWEIGHERS

FOR SMALL AND MEDIUM HORIZONTAL PRODUCTS

HR - SR - HL - BR / EL-300 - EL-400 Series

TOP-DOWN X-RAY INSPECTION AND WEIGHT CONTROL

- For unpackaged products or packaged in flow-pack, cases, trays, etc.
- The best inspection solutions, together with high-precision weighing
- All the advantages of the two single units
- A single operator interface to control both inspections
- Reduced costs and footprint compared to two separated machines
- Same compliance with regulations as the single units

FEATURES

- An exclusive monoblock integrating weighing module and X-Ray inspection thanks to internal design of custom electronics
- Hygienic design, quick-removal conveyors, washable structure
- Separate ejection systems to keep the rejects distinguished
- Easy-opening doors for total access to the inspection area



Easy-opening door



Control panel



X-RAY+CHECKWEIGHERS FOR SMALL/MEDIUM HORIZONTAL PRODUCTS



MODELS

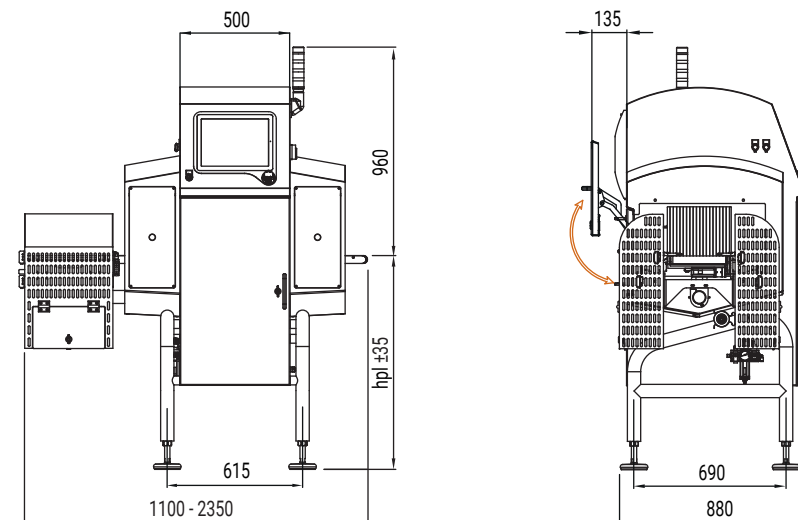
CODE	CONVEYORS WIDTH	WEIGHING RANGE	ACCURACY *	DISPLAY DIVISION
HR-600/EL-300	140-240 mm	600 g	± 0,2 g	0,1 g
SR-1200/EL-300	240 mm	1200 g	± 0,2 g	0,2 g
HL-3200/EL-300	240 mm	3200 g	± 0,2 g	0,1 g
SR-1200/EL-400	320 mm	1200 g	± 0,2 g	0,2 g
HL-3200/EL-400	320 mm	3200 g	± 0,5 g	0,5 g
BR-6000/EL-400	320 mm	6000 g	± 1,0 g	1,0 g

* variable according to the type and weight of the product and the production speed

STANDARD TECHNICAL FEATURES

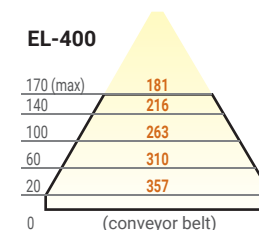
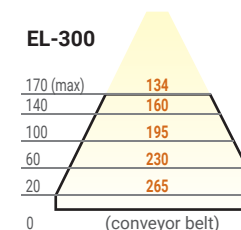
Control panel	colour touchscreen 15"
Data processing electronics	RISC embedded FPGA
Generator	latest generation – up to 100 W – electronic and integrated cooling module, maintenance not requested
Sensor	RISC embedded FPGA with 0,8 mm pixel - IP65
Self-learning system and Calibration	included
Data and images collection software	included through Ethernet and USB
Kit for remote assistance	included
Compliance industry 4.0	with bidirectional protocol
Conformity	CE, MID, BRC, IFS, HACCP, GMP
Linear speed	up to 90 m/min
Production	up to 450 ppm
Protection degree	IP65

LAYOUT



INSPECTION AREA

- product height
- product width



PACKAGING



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