Revolutionary bone detection
A system for flawless meat quality

The SC-W WD 40 X-ray system with integrated checkweigher sets new standards in bone detection of poultry meat.
The unique DFXr sensor technology with 0.4 mm resolution offers optimum bone and foreign body detection in the entire product, combined with an impressive lifetime and throughput rates of up to 200 pieces/min per track.

The core segment integrates the rejection system and the return conveyor for bone and foreign body detection, which guides rejected products back to the operator. Thanks to the curtain-free hygienic design and protection class IP69 K, the system is easy to clean. The automatic teach-in process is supported by an AI and optimize with regard to the false reject rate. This leads to the best possible detection accuracy with extremely low false reject rates.

The solution offers additional control options:
The batch calibration of X-ray images for weight estimation is no longer necessary. The optional vision function also checks for any color deviations such as bloodstains.

Optimize your quality control with our SC-W WD 40 X-ray system – the key to first-class bone detection and maximum efficiency in poultry processing!

Features

- Bone detection from 2.0 mm bone size (depending on the degree of calcification)
- Compact X-ray system with integrated checkweigher, rejection system and return conveyor
- Optional: grading and/or vision integrated in the core segment
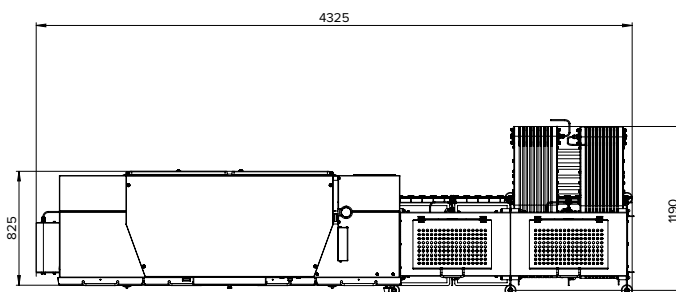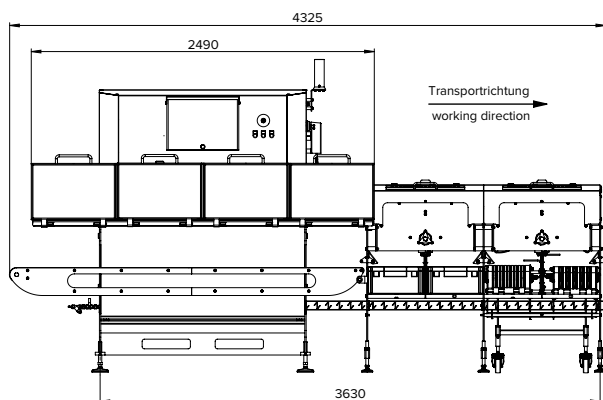- Single and dual-track systems available
- AI-based teach-in tool

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SC-W WD 40

Technical Data

Machine type	SC-W WD 40	
X-ray type	Metal-ceramic tube with integrated water cooling system	
X-ray output	up to 600 W, depending on type (infinitely variable)	
X-ray sensor	Diode array technology optimized for the detection of low absorbent materials	
Vision system [1]	Fully integrated vision system with lighting unit for optical inspection of the product surface	
Scanning width	400 mm [2]	
Scanning speeds	up to 70 m/min at 200 products per minute and lane	
Product storage	100 products, expandable	
Display	15" color TFT with touchscreen	
Working height [3]	1.000–1.150 / 1.100–1.250 / 1.200–1.350 mm	
Hygienic design	Complete stainless steel model (1.4301), easy to clean product area; built-in drive technology	
Ambient conditions	+2 °C bis zu +40 °C, relative humidity 20 %–80 %	
Protection class	IP69	
Power supply	400–480 VAC; 50/60 Hz; 3 kVA, Connection with separate, 10 A fuse power line	
Weighing technology	Gross weight range	Accuracy
Single track	30–1.500 g	0,5 g
Dual track	30–1.500 g	0,5 g
Max. output [4]	200 ppm per track	
Standard deviation [4]	> 200 mg	

[1] Optional
[2] Wider models available by request
[3] Other working heights by request
[4] Dependent on product form, product behavior, transport speed, and local conditions

All entries in mm
Drawing shows sample version

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