



## ES 388 TRAY LOADING SYSTEM

FULLY AUTOMATIC AND FLEXIBLE SYSTEM  
FOR LOADING MINCED MEAT PORTIONS  
INTO TRAYS.



Individual portions in trays: minced meat, rib burgers, cevapcici

The Handtmann ES 388 tray loading system with a loading performance of up to 90 portions per minute has been designed for depositing minced meat portions and comparable products such as rib burgers and cevapcici into tray packaging. In combination with the Handtmann minced meat line, this creates a perfectly coordinated overall solution from the filling/portioning process to the packaging solution for medium-scale and industrial-scale food-processing operations.

### YOUR ADVANTAGES

- High rationalisation effect with significant increase in economic efficiency due to perfectly coordinated overall solution from the filling/portioning process to packaging
- Handtmann Line Control (HLC) with intelligent start/stop and pause scenarios, central programme changeover, standardised interface for downstream devices such as packaging machines and optional networking with HCU software
- Significant cost reduction due to less manpower as well as excellent weight accuracy of the individual products
- Flexibility to handle a wide range of tray formats and tray change within seconds thanks to easily adjustable tray guides and the option of positioning trays manually

### FULLY AUTOMATED PROCESS FROM FILLING AND PORTIONING TO DEPOSITING INTO TRAYS

The ES 388 tray loading system offers medium-scale and industrial-scale food-processing operations a complete automation solution from the filling and portioning process to the depositing of products in the packaging solution. In combination with an integrated GMD 99-2 or GMD 99-3 minced meat portioner, it can be used for the production of flexibly sized minced meat portions.

Modules such as the Handtmann WS 910 advanced weighing system for additional weight and process control or the SB 913 sorting belt for discharging over- or underweight products can be integrated at choice. The tray loading system thus ensures consistent quality standards and the perfect appearance of the products inside the packaging. Its modular design accommodates different installation options.

The Handtmann ES 388 tray loading system is suitable for the most diverse tray packaging and also allows for the manual positioning of trays in addition to fully automatic feeding. The modules of the ES 388 tray loading system are integrated in the central and networked Handtmann control system, which ensures perfect synchronisation and simplest operation of both modules and overall line. The elimination of manual intervention ensures excellent hygienic production conditions. The open, hygienic machine design provides optimum accessibility for optimum cleaning.



BASIC EQUIPMENT:

- EB 386 loading conveyor, TD 387 tray denester

OPTIONS:

- Various installation options for the overall line
- Please note options of the respective modules

TECHNICAL DATA:

Category	Performance characteristics
Technical prerequisites of the VF	VF 800: PCM and X40 interface VF 600: PCK4 and X40 interface
Operating voltage	230 V AC
Connected load	1 kW
Safety category	PLd
Tray dimensions (l x w x h)	Length: 110 to 325 mm Width: 110 to 265 mm Height: 30 to 80 mm
Depositing behaviour	Individual portions
Performance	up to 90 Products per minute (depending on product/tray)
Inlet height/transfer height	980 to 1,310 mm
Outlet height/transfer height	800 to 1,025 mm