handtmann
Ideas for the future.

Handtmann Group

HANDTMANN INOTEC IW SERIES GRINDERS

LATEST GENERATION INDUSTRIAL GRINDER FOR GRINDING FROZEN BLOCKS AND FRESH

Meat and sausage products, pet food, vegan/vegetarian products, infant nutrition and cheese

The Handtmann Inotec industrial grinder reliably and gently chops and grinds raw materials to be subsequently processed in a Handtmann processing line into intermediate or end products. The three grinder models have been designed for medium-scale to industrial-scale food or feed production lines. These models can be used to grind or mince deep-frozen blocks for the production of meat products and animal feed as well as fresh raw material to 13 mm with a hourly capacity of up to 9 metric tonnes per hour in continuous operation.

YOUR ADVANTAGES

- Maximum productivity thanks to a high processing capacity of both deep-frozen blocks (up to -20 °C) and fresh products
- High flexibility for frozen and fresh material without having to change the cutting set
- Continuous, reproducible process thanks to consistent feed capacity and digital process monitoring
- Easy operation thanks to intuitive and image-supported process control via touch panel and traceability via date query (by cable or Wi-Fi)
  Optional expandable remote monitoring with internal sensors
- Low maintenance costs and long service lives thanks to durable, high-quality machine components

INDUSTRIAL GRINDER FOR A WIDE VARIETY OF APPLICATIONS

Highly efficient grinding for the food processing industry
The ingenious combination of conveyor screw and feed screw as well as the special universal cutting set achieves both a high throughput and a perfect product appearance. Thus the cutting system can grind both deep-frozen blocks and fresh material without having to change blades or hole plates. All product-handling machine parts are made of stainless or food-grade plastic steel and are designed for high utilisation and a long service life.

Integral part of processing lines
As part of an automated processing line, the Handtmann Inotec industrial grinders are linked into the line control and safety circuitry. At a hopper volume of 550 or 670 litres, the grinders have a generously dimensioned product reserve and can be fed by means of automated belt feed or lifting and tilting device. They grind the fed raw materials to final grain sizes of 3 to 30 mm (IW 300/IW 400: of 8 to 30 mm) onto conveyor belts, buffer hoppers, box systems or cutter trolleys positioned underneath the outlet.
As part of an automated processing line, the Handtmann Inotec industrial grinders are linked into the line control and safety circuitry. The IW series grinders feature a hygienic, easy-to-clean design, are easy to maintain and thus enable a continuous economically efficient and reliable production process.




CONFIGURATIONS AND OPTIONS:

- Frequency-controlled conveyor screw with reverse start function
- Feed screw with reverse start function (IW 300 and IW 400 only)
- IW 250 only: option between high-speed fixed feed screw and blade shaft separated from feed screw (screw speed 140 rpm, blade shaft 250 rpm).
- Electro-hydraulic ejector slide for the chopping elements (IW 300 and IW 400 only)
- Remote maintenance access (Telecare)
- Filling level sensor for grinder hopper (optional)
- Temperature probe in the hopper (optional)
- Predictive maintenance (optional)

TECHNICAL DATA:

Category	**Product parameters**	
Output (8 mm final hole plate) IW 250 IW 300 IW 400	Raw material, frozen up to: 5.200 kg/h 7.200 kg/h 8.000 kg/h	Raw material, fresh up to: 6.100 kg/h 7.200 kg/h 8.000 kg/h
Hopper size (standard): IW 250, IW 300, IW 400	550 litres, 670 litres, 670 litres	
Hole plate diameter: IW 250, IW 300, IW 400	250 mm, 300 mm, 400 mm	
Conveyor screw diameter:	370 mm	
Feed screw diameter: IW 250, IW 300, IW 400	160 mm, 280 mm, 280 mm	
Cutting set:	depending on model, final hole plate IW 250 from 3 mm, IW 300/400 from 8 mm	
Connected load:	depending on model	
Voltage:	400 V/50 Hz (optional 440 V/60 Hz)	
Compressed air:	100 l/h, 6 bar (compressed air connection depending on option)	
Output in kW (total rated power) IW 250, IW 300, IW 400	73 kW, 132 kW, 154 kW	
Weight (standard design) IW 250, IW 300, IW 400	4.570 kg, 5.500 kg, 5.600 kg	
Dimensions (standard design) IW 250 IW 300 IW 400	(l x b x h) 2.672 x 3.617 x 1.706 (control panel arm folded) 2.961 x 3.559 x 1.856 (control panel arm folded) 2.961 x 3.559 x 1.856 (control panel arm folded)	