



Product inspection & Quality control solutions

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About Highdream

Highdream is part of KW.TW Machinery GmbH, who provides precision weighing, packing and labeling equipment to assist our customers, create value, and contribute to the development of industry and healthier lives.

We focus our attention on our customers' needs, offering tailor-made, market-oriented and economical solutions. We value the relationships with our partners by providing extensive worldwide service and support, including maintenance, spare parts, consulting and training. We assure the best quality and competitive pricing on retail scale supplies.

Our customer base includes global-operating companies in the retail industry, fruits and vegetables, meat, snacks and other fields.

We appreciate the opportunity to be a part of your precision-weighing vision and are committed to exceeding your expectations!



Check weigher
Used to detect whether the weight of a product matches the target weight, while an auto-selecting device picks out unqualified products.

Metal detector
Widely applied in industries dealing with food, medicines, textiles etc., for detecting metallic impurities.



X-ray Inspection system
Works by utilizing high-energy waves to penetrate solid materials, for the detection and removal of foreign matter (small and medium-sized packages).

Check Weigher



Application

With a check weigher, you can improve efficiency and profitability. Thanks to its standardized system you can enjoy high accuracy and advanced features for food, personal care or pharmaceutical applications. It is suitable for different kinds of packaged products, such as cartons, bags, cups, bottles, jars, pouches, boxes etc.





Ease of use

Easy-to-use 10.4 inch touchscreen, various kinds of language options, user-friendly operation. Security access levels can be configured intuitive via menu operation. False-alarm information for more efficient maintenance.

Data output

Data can be extracted by USB or PC and saved in excel format. This helps evaluate effects, improve marketing and efficiency, strengthen management, analyze problems and avoid production risks.



Check Weigher

Parameter	Standard weight of zoning	Data output	USB / network
Model	AC-7C	Communication protocol	Modbus TCP
Weighing range (optional)	5-1000g	NW/GW	100/230kg
Speed (adjustable)	± 0.5-1g	Elimination method (optional)	Two-way rejector slide down T-pusher air blower
Weighing accuracy	220mm	Air requirements (reference)	0.3-0.6mpa
Middle weighing belt size (WxL)	220 x 450mm	Voltage	220V, single phase, 50/60Hz
Minimum scale (fluctuation)	0.1	Power	300W
Preliminary programs (set)	99		

Please note: belt size and weight range can be optional according to actual products. Accuracy is finally determined by product size and weight, as well as operating speed.

Sanitary design

The hygienic design and ease of maintenance, as well as full 304 SS round-frame design and high-quality welding, help minimize flat surfaces and slots, reducing dust formation and enhancing cleanability.

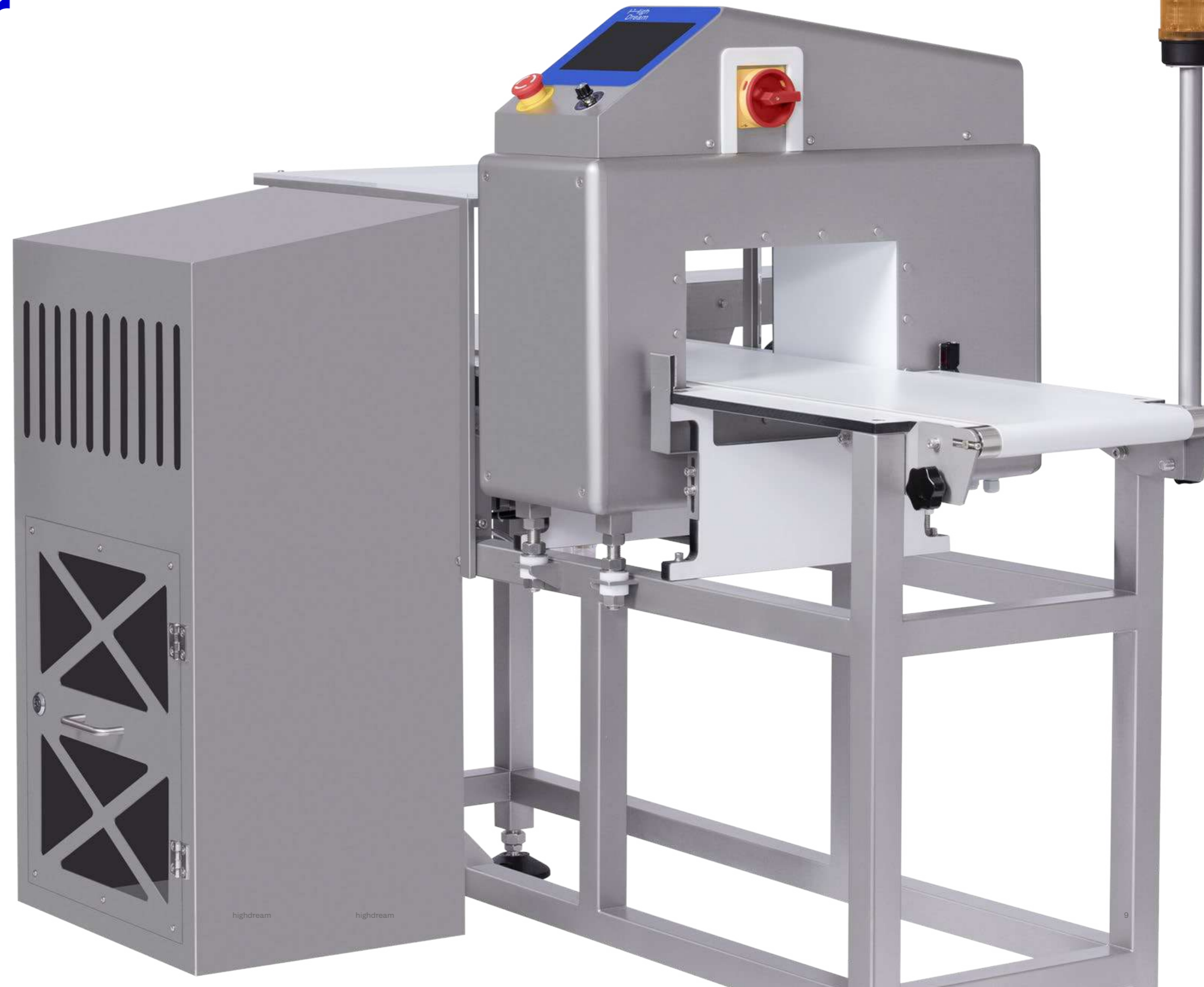
Remote control

The computer remote control improves working efficiency, as well as usability of the network system for your staffs.

Communication port

External equipment, such as printer or auger filler, can be connected via communication port in order to transfer weighing data online, increasing production automation.

Conveyor-belt type Metal detector



Application

Our conveyor-belt type metal detector prevents negative product effects caused by metallic impurities. Rejecting by pusher, air-blow or flipper can be applied for online detection automatically.



7 inch touchscreen with upgraded software.

4 different operating levels with password.

6 languages and 99 programs for memory.

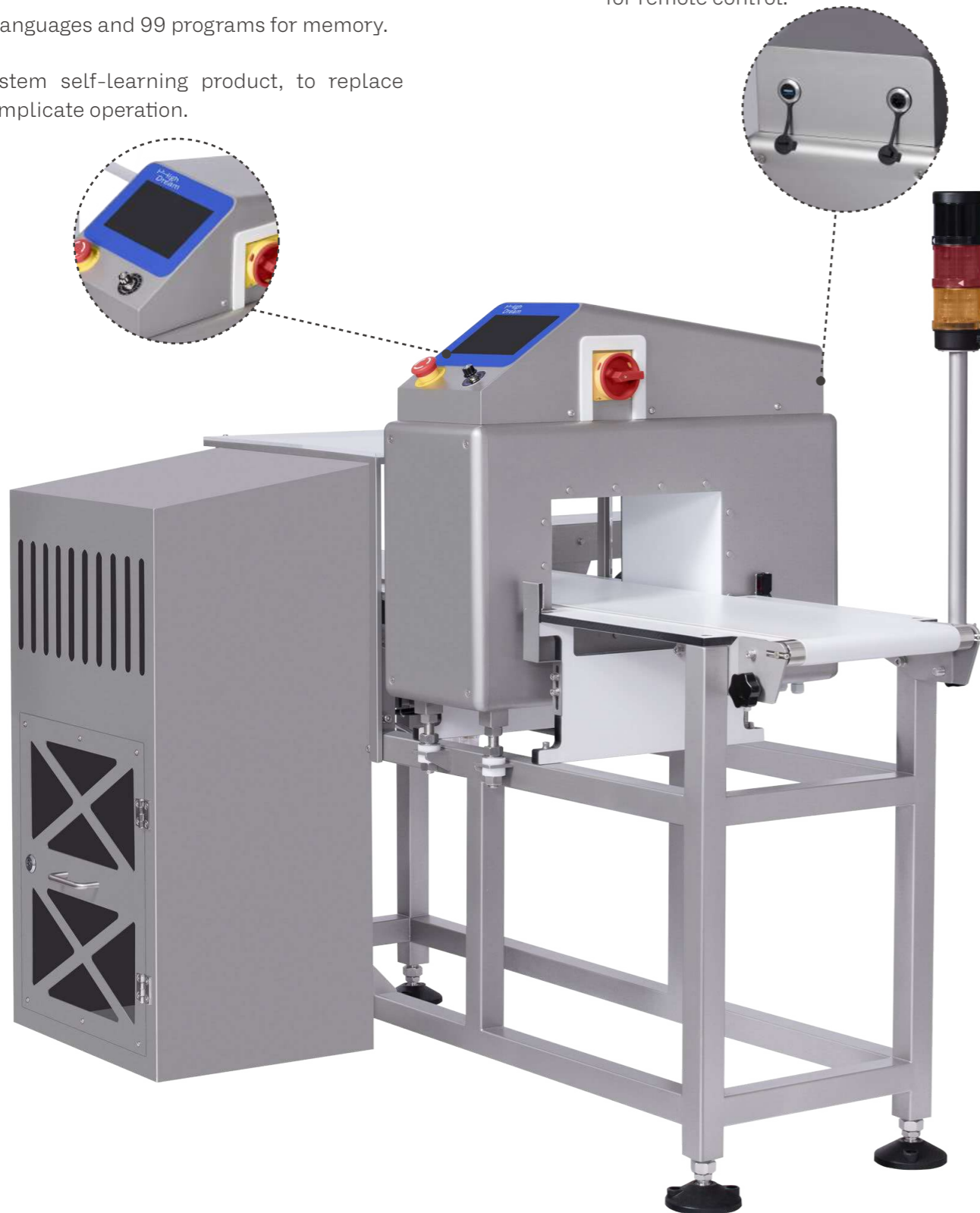
System self-learning product, to replace complicate operation.

Pneumatic rejecting device for the unqualified product.

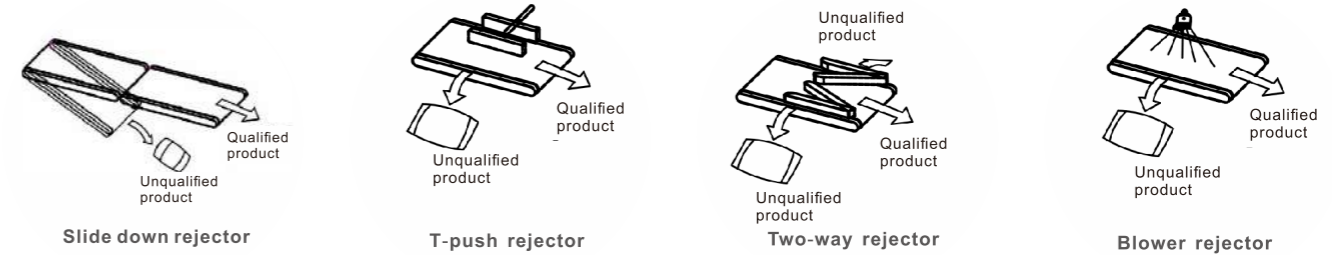
Sound and light alarm.

Lockable collecting bin.

USB port for data outputting; Internet port for remote control.



Optional rejecting device



Conveyor-belt type Metal detector

Model	AC-RCB-PR	Conveyor belt speed	10-45m/min
Tunnel size (WxH)	300 x 180mm	Transmission capacity	Max. 5kg
Passing through area (WxH)	W250xH140mm	Dimension (WxHxD)	1531.7 x 1199.3 x 1357mm
Detector sensitivity	FE Φ 0.8mm, SUS Φ 1.8mm	Optional rejecting device	Air blower / T-pusher / flipper
Speed	110 bags/min	Voltage	220VAC, single phase, 50/60 Hz
Belt width	260mm	Power	300W

Please note: belt size and weight range can be optional according to actual products. Accuracy is finally determined by product size and weight, as well as operating speed.

X-ray Inspection system

Using high-energy waves, the system can detect foreign matter. Ideal for small and medium-sized packages of dairy, meat, bakery products, frozen food, fruit and vegetables, prepared meals, etc.



- The modular and standardized structure of the whole machine, as well as the wide detection range, make it suitable for foreign-body detection of large packages. It is equipped with intelligent algorithms for high detection accuracy.
- The accurate detection solves the problem of foreign bodies that cannot be identified by the human eye, effectively ensuring food safety in packaging.
- Advanced X-ray imaging technology is used for clearer imaging and easy identification of foreign objects of similar density. The machine comes with visual LEDs and intelligent alarms for abnormal conditions.

X-ray Inspection system

Model	HD-XR -01
Sensitivity (no-load)	SUS ball $\geq \varnothing 0.3\text{mm}$; SUS wire $\geq \varnothing 0.2 \times 2\text{mm}$
	glass balls $\geq 1.0\text{mm}$; ceramic ball $\geq \varnothing 1.0\text{mm}$
Material size (WxH)	$\leq 445\text{mm} \times \leq 200\text{mm}$ (trapezoidal detection area)
	with optional dual channel detection
Dimensions (WxDxH)	1100x1200x2050mm
Infeed belt width	510mm
Net weight	500kg
Load	10kg
Infeed belt speed	10-60m/min
X-ray output	350W, 80kV/8.0mA (adjustable)
X-ray leakage	$< 1\mu\text{Sv/h}$
Service environment	ambient temperature 0-40°C, relative humidity 30-85%°C
	no condensation, freezing or upheaval
Body material	SUS 304
Protection level	IP66 for drive parts, IP65 for others
Voltage	single phase AC220V+10%, 50/60Hz
Power	2kw



- Anti-runout construction
- Smoother material transfer
- More stable operation

Highdream by
KWTW Machinery GmbH
Heltorfer Str. 12
40472 Düsseldorf
Germany

Tel: +49 1735825278
info@highdream.de
www.highdream.de