



CASE REJECTION

HEUFT *case rejector*



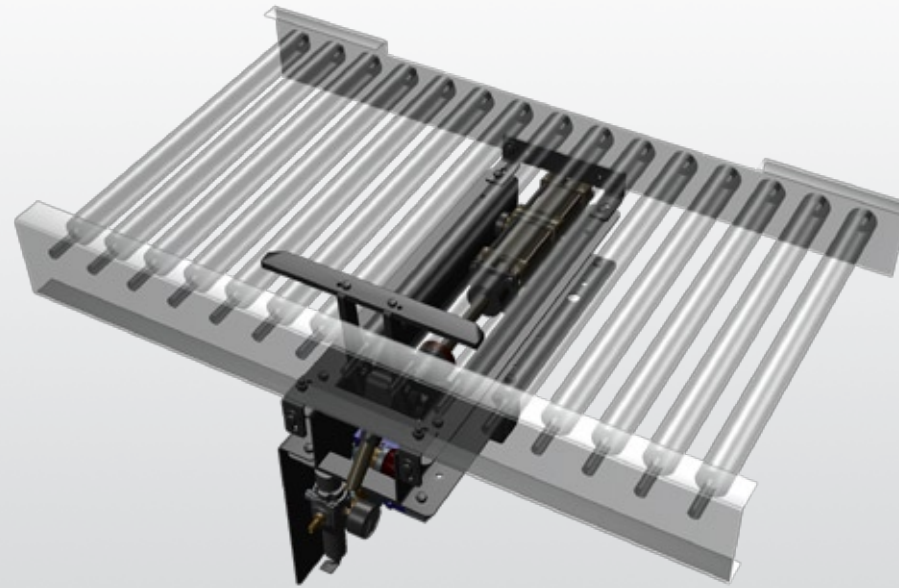
A suitable rejector for each case



Cardboard boxes, plastic crates, trays or shrink wrap packages - there is hardly anything as varied as the different types of outer packaging for bottles and other containers. This diversity which not only includes their material but also their size, colour, capacity, mass and weight presents rejection systems for empty and full cases with their greatest challenges.

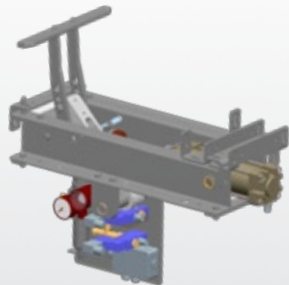
HEUFT does justice to them all: with highly specialised rejection systems optimally adjusted to their respective task. They ensure that faulty cases are sorted out in good time in combination with high-precision checking and inspection devices such as the HEUFT LGX, the HEUFT VGX or the HEUFT logic.

Cardboard box, plastic crate, tray or shrink wrap package - HEUFT has the right solution for each type of case in its range.



The HEUFT xcase

Rejecting faulty cases

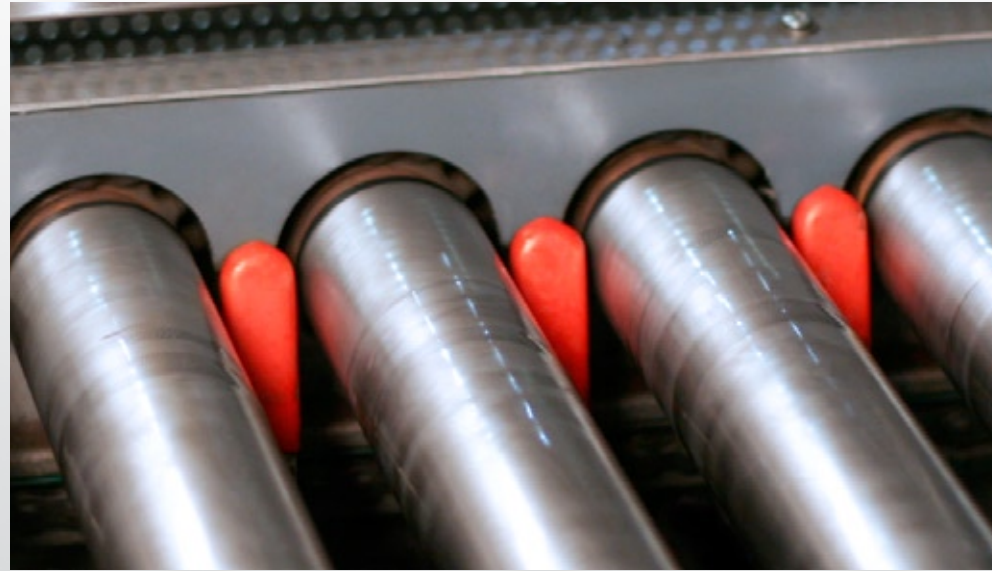


Incorrect or faulty bottle crates in the production flow - a problem which occurs frequently along returnable lines in particular. It is no wonder in view of the constantly increasing brand variety. HEUFT has developed a solution for this problem which rejects faulty cases reliably - the HEUFT xcase. It guarantees brand purity in the bottling hall together with the highly-efficient inspection devices from HEUFT. For this data is collected

at the individual detection positions for each case which passes through on the basis of which the space-saving rejection system installed under the conveyor comes to a clear decision: let it pass or reject it.

A pneumatically driven cylinder extends a lever arm on which the rejection segment is located if the case should be sorted out. It transports it smoothly from the filling

line with a well-measured push. The intelligent, load-dependent control system of the HEUFT xcase indirectly measures the weight of each single case and adapts the force of the rejection impact accurately. Consequently cases which weigh differently are rejected the same distance.



The HEUFT *xray*

Sorting out faulty trays

They cannot hold the containers together if they are damaged and will confuse the consumer if the colour or imprint is incorrect: trays which wrap full containers must not be faulty.

The HEUFT *xray* comes into play when a tray is identified on the roller conveyor by a HEUFT full case check which should be rejected: three rejection fingers

which are on a sledge installed under the conveyor are extended in order to remove the full case completely from the production flow.

The precise distribution of full cases is also possible. The trays can be distributed onto several lanes if several of these intelligent rejection systems are lined up next to each other.

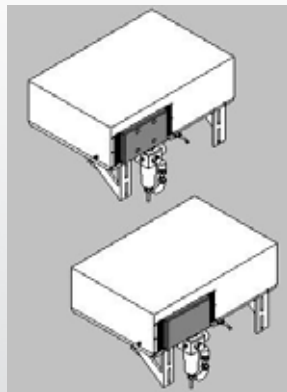
The HEUFT *xray* sorts things out along the line and in doing so helps to avoid time-consuming and costly production stops.





The HEUFT *maxi-flip*

Sensitive weight watching

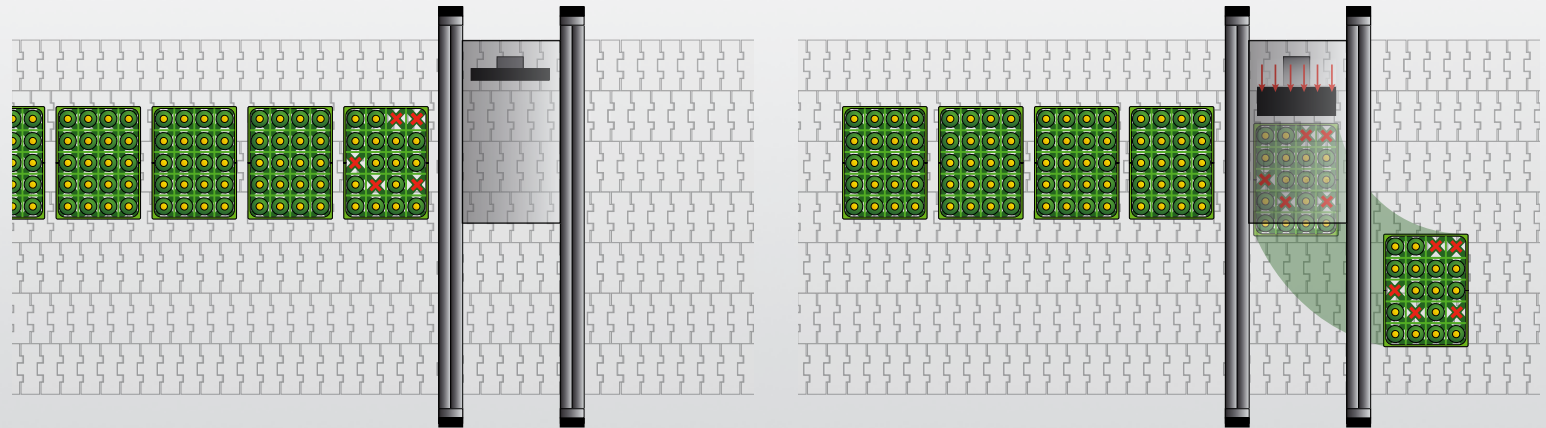


It works just brilliantly - irrelevant of the mass. Regardless of whether empty, half-full or completely full cases are travelling along a chain conveyor: the HEUFT *maxi-flip* rejects them the same distance onto parallel conveyor chains. Because its rejection segment is activated longer for heavy cases and boxes than for lighter ones. A complex

mechanical changeover for different types of cases is not necessary.

Another advantage of this sensitive, load-dependent system: the case does not rotate during the rejection procedure. This is because the segment is always in contact with it and moves parallel to the conveyor.

HEUFT has set new standards as regards careful and precise sorting with this development which takes the mass of the case into consideration when rejecting.



The HEUFT *maxi-laner*

Load-dependent rejecting in small format



It achieves the same outstanding performance as the HEUFT *maxi-flip* and saves space at the same time. These ambitious aims were achieved with the development of the HEUFT *maxi-laner*.

The compact system which is installed directly above the conveyor is also impressive with a load-dependent control sys-

tem. It always rejects cases of different masses and dissimilar weights equally.

The HEUFT *maxi-laner* makes both possible: the distribution of cases onto two lanes or their rejection onto a parallel lane. It handles the cases particularly gently and quietly and is subjected to the least possible mechanical strain.

This compact laning unit which is as highly efficient as the HEUFT *maxi-flip* is the alternative for lines where space is limited.



	The HEUFT <i>maxi-laner</i>	The HEUFT <i>maxi-flip</i>	The HEUFT <i>xtray</i>	The HEUFT <i>xcase</i>
Applications / functions	The rejection and laning of boxes and cases	The rejection of boxes, cases, containers, barrels, trays etc. with faults	The rejection and laning of trays	The rejection of bottle crates with faults
Maximum output (cases per hour)	4,800	4,800	4,800	4,800
Load-dependent control system?	●	●	●	●
Maximum conveyor speed	1 m/s	1 m/s	1 m/s	1 m/s
Conveyor required	Chain conveyor	Chain conveyor	Roller conveyor	Roller conveyor
Installation	Above the conveyor	Next to the conveyor	Below the conveyor	Below the conveyor
Compressed air consumption (normal litre per rejection)	1.5	0.7	0.7	0.7

Key: ● Yes ● No

Specifications



Case rejectors from HEUFT set standards. The highly efficient systems remove faulty or non-brand full and empty cases from production fast, precisely, evenly and carefully. They

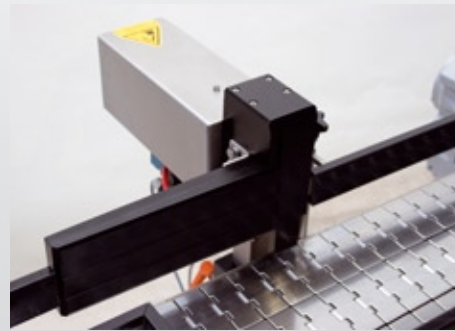
- handle up to 4,800 cases per hour
- deal with conveyor speeds of up to 1 m/s depending on the type of case
- function perfectly with a case gap which is greater than 100 mm - smaller gaps are also possible depending on the material and size of the case
- are convincing due to extremely small dimensions - minimum space is required and is between 230 x 335 mm and 600 x 400 mm depending on the device



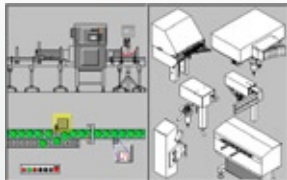
Your cost advantages with HEUFT



- costly production stops avoided
- low labour costs due to precise sorting functions
- careful rejection avoids damage to the cases
- robust and durable construction
- wear-resistant components
- minimum maintenance
- compact and space-saving design
- low energy consumption

The HEUFT *DELTA-FW*The HEUFT *mono*The HEUFT *XY*The HEUFT *pusher*

Other HEUFT products: the HEUFT *rejector* systems



HEUFT not only has efficient rejection and laning systems for cases in its range. As the inventors of the multi-segment principle and undisputed market leaders in this sector we also provide particularly careful and efficient systems for single containers.

The HEUFT *DELTA-FW*

- upright rejection of filled bottles and cans

- sorting lying containers and bottle breakages
- rejection curve of up to 16 segments
- pneumatic control
- ideal for serial rejections

The HEUFT *mono*

- upright rejection of faulty full and empty containers
- very reasonably priced rejection system

The HEUFT *XY*

- laning full containers onto up to four lanes
- sorting empties
- ideal for oversized, extremely light-weight and unstable containers
- predetermined for serial rejection

The HEUFT *pusher*

- rejection of faulty cans
- ideal for high-speed lines



CONTACT DETAILS

HEUFT SYSTEMTECHNIK GMBH

Burgbrohl, GERMANY
Phone: +49 2636 56 0
info@heuft.com

HEUFT LTD.

Tamworth, GREAT BRITAIN
Phone: +44 1 827 25 5800
uk@heuft.com

HEUFT HISPANIA, S.A.

Madrid, SPAIN
Phone: +34 91 6667 300
spain@heuft.com

HEUFT QUALIPLUS B.V.

Deventer, NETHERLANDS
Phone: + 31 570 6617 00
netherlands@heuft.com

HEUFT FRANCE S.A.

Brumath, FRANCE
Phone: +33 388 59 3000
france@heuft.com

HEUFT ITALIA s.r.l.

Vigevano, ITALY
Phone: +39 0381 290411
italy@heuft.com

HEUFT SCAN Aps

Gilleleje, DENMARK
Phone: +45 4836 5070
scandinavia@heuft.com

HEUFT USA Inc.

Downers Grove, USA
Phone: +1 630 968 9011
usa@heuft.com

HEUFT DO BRASIL Ltda.

Alphaville-Barueri-SP-BRASIL
Phone: +55 11 4195 7671
brasil@heuft.com

HEUFT S.A.

Beccar, ARGENTINA
Phone: +54 11 4707 0936
argentina@heuft.com

HEUFT MEXICO S.A. de C.V.

Naucalpan de Juárez, MEXICO
Phone: +52 55 5374 3280
mexico@heuft.com

HEUFT Systems Technology Co., Ltd.

Shanghai, CHINA
Phone: +86 21 6434 3911
china@heuft.com

HEUFT ASIA LTD

Hong Kong, CHINA
Phone: +86 21 6434 3911
asia@heuft.com

HEUFT AUSTRIA GMBH

Leobersdorf, AUSTRIA
Phone: +43 2256 65556 0
austria@heuft.com

OOO HEUFT EURASIA

Moscow, RUSSIA
Phone: +7-495-935-8704
eurasia@heuft.com

INTERNET:

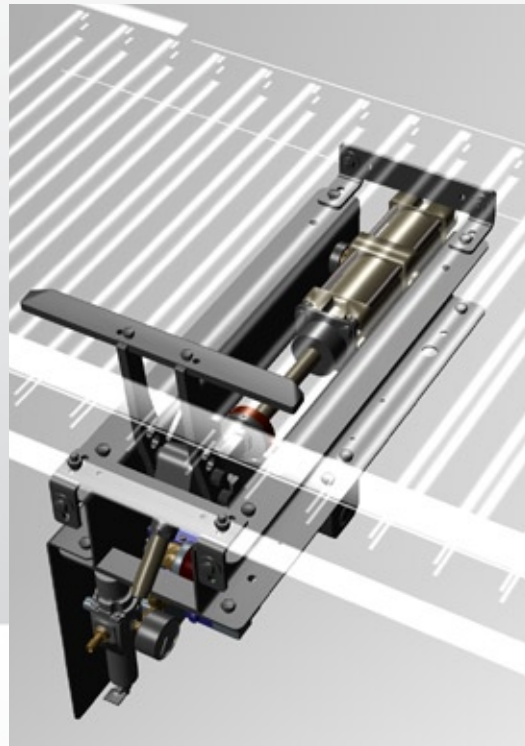
www.heuft.com

E-MAIL:

info@heuft.com

The HEUFT *case rejector*

for rejecting and laning cases



FUNCTIONS

- rejection of large faulty packages and faulty cases (e.g. boxes, crates, trays etc.) from the production flow
- ensuring brand purity in the bottling hall

- precise rejection by means of the intelligent adaptation of the rejection force depending on the container weight (model dependent function)

THE ADVANTAGES

- ideally adapted to the HEUFT inspection devices

- complete solutions from one source irrespective of whether above, below or next to the conveyor
- suitable rejectors for all types of roller or belt conveyors
- low compressed air consumption per rejection
- high degree of reliability and minimum maintenance
- robust construction for a long service life

* [more] detailed information
www.heuft.com/cre

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...knows how