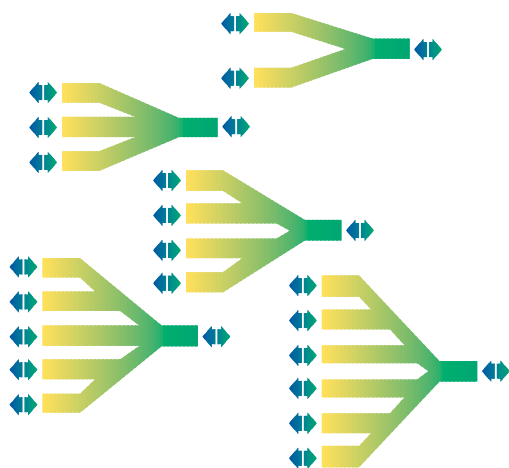
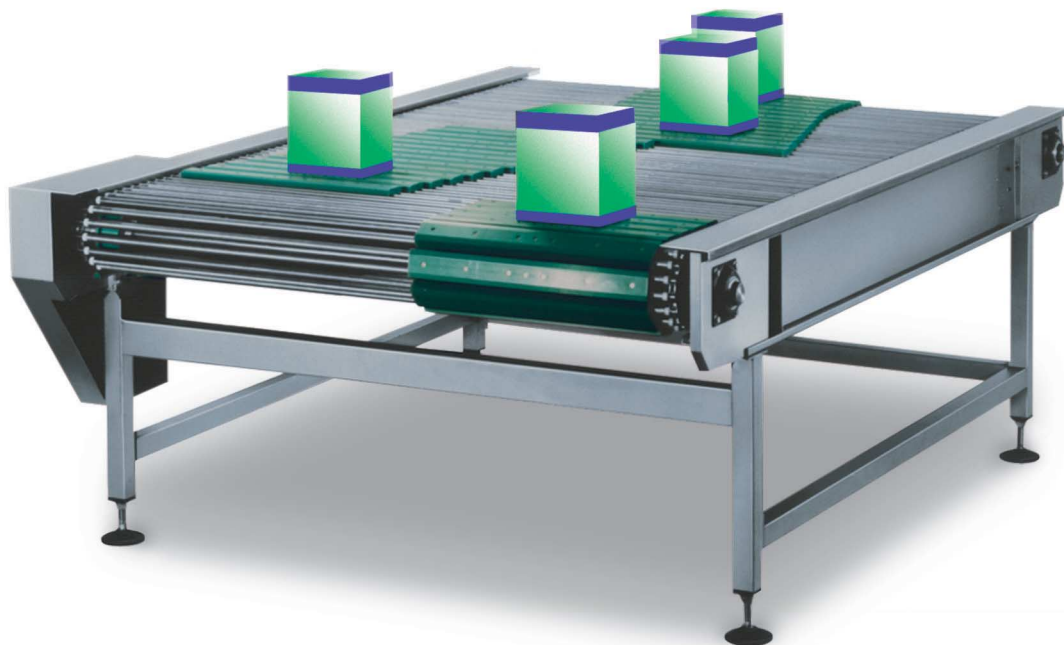


# Line dividers and line combiners

## Conveying your products the right way



Division and combination patterns. Other patterns on enquiry.

### Line dividers and line combiners

Streamline your production with GARVENS line dividers and line combiners; your first choice for difficult applications. When one production line must be divided into several lanes, or vice-versa, even when the products are sensitive to handling and when throughput is high, a flawless material flow will be maintained.

Sorting, distribution, grouping, handling – gentle, fast and safe!

Our expertise and know-how to speed your production!

## Line dividers and line combiners

– unimpeded material flow at high throughput

The design of the line dividers and line combiners ensures that the products are carefully conveyed and that the transfer into the lanes is particularly gentle. The division or combination of lanes takes place without the products being twisted or turned or contacted laterally.

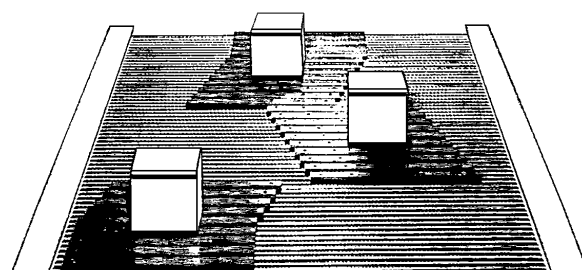
And should a malfunction ever occur, the integrated self-diagnostics ensure that minor irregularities will not become a major problem.

The control system allows for a variety of different control methods. The division or combination can be controlled from the integral, or from an external, control system. The integral control allows the choice of various regular or irregular repetition patterns

for division or combination. External control via potential-free contact closures ensures high flexibility, e. g.

- division of products by weight, controlled by an upstream checkweigher
- division of products, parcels or cargo by size, controlled by an upstream volume measuring frame, scanner and/or an OCR system
- division into lanes or combination of lanes controlled by a downstream packaging machine

The best kind of control for use in practice, is determined by your application. Choose from a range of flexible accessories to create the solution that meets your requirements exactly.



Gentle division into lanes even with 'difficult' products at high throughput.

### Options and accessories

- additional infeed conveyors (various sizes) for optimal product infeed and spacing
- choice of transfer methods to existing conveyors
- guide rails for safe product guidance in the transition zones between conveyors
- backup monitoring by light barriers (for infeed or outfeed side)
- protective covers to meet Health and Safety regulations and for noise reduction

### Design

- your production system determines the number of lanes and space between them, your products determine the type and size of the carrier plates
- material and construction meet the highest demands
- parts in contact with products comply with the food processing regulations

### Technical details

Technical details	Line dividers/Line combiners
Operator side	either right or left (relative to transport direction)
Design	baseframe and lateral sheathing made of stainless steel; control cabinet painted grey as per RAL colour standard 7032; options: full stainless steel design (except drive system and carrier plates); painted as per RAL colour standards
Carrier plates	made of wear-resistant polyethylene
Drive	three-phase motor with frequency inverter; speed continuously variable by frequency inverter, potentiometer or external control voltage (1-10 V)
Dimensions	depending on number of lanes, line height and product dimensions
Control	integrated or by an external system
Ingress protection	IP 54; optional IP 65
Electrical	230/400 V, 50/60 Hz; designs for other voltages on enquiry
Compressed air	6 bars; max. flow 4.8 ltr./minute



### Mettler-Toledo Garvens GmbH

Kampstrasse 7  
31180 Giesen, Germany  
Telephone +49 (0) 5121 933-0  
Facsimile +49 (0) 5121 933-456  
e-mail garvens@mt.com

Subject to technical modifications  
© Mettler-Toledo Garvens GmbH  
Printed in Germany 0407/33 UK

[www.mt.com/garvens](http://www.mt.com/garvens)

For more information