



**ONE  
OF THREE**

# HIGH SPEED DIVERTER DLD Diverter

Flowsort offers its highly flexible sorting modules in three different types.

## FLWSORT IS...

- modular** only standard modules – no specials
- gentle** gentle diverting of products in „flow“ - no abrupt braking or mechanical force
- appropriate** throughput is 2,500-6,000 products per hour
- easy + fast** easy installation in common conveyor systems saving planning + installation time
- connected** downloadable software function blocks can be integrated directly into the PLC
- cost-effective** low initial investment combined with later scalability
- flexible** intralogistics systems with Flowsort modules can be re-configured and adjusted with minimal effort
- reliable** 100% reliable and fast quotations
- awarded** top warehouse automation solutions provider in Europe 2022



### SLD Diverter

Single Line Diverter = 1 row



### DLD Diverter

Double Line Diverter = 2 rows



### ZZ Diverter

Zick-Zack Diverter = 2 rows, especially for very small products





## DLD Diverter

### MECHANICAL INFORMATION

disc diameter	Ø 180 mm
module length	400 mm
amount of rows	2
available widths	all widths in mm between 400 - 450 mm, 600 - 650 mm, 800 - 850 mm and 1.000 - 1.050 mm
PU wheel diameter	Ø 58 mm
hardness wheel	80° Shore A
diverting angle	- 90° to +90°

### PRODUCT HANDLING

minimum size product	150 x 150 mm
maximum size product	on request
maximum sorting capacity	6.000 parts per hour
minimum product weight	50 g / 1.764 oz
maximum product weight	35 kg / 77,16 lbs.

### CONTROL INFORMATION

motor drive	24V pulse gear drive
maximum rotation speed	- 90° to +90° in 0,35 s
motor PU wheels	24V pulse gear drive
maximum speed	1,5 m/s
sensors	1 homing sensor per row
control	1 control card per row, standard 1/0 pin out via M8 connector, EtherCAT or Profinet available

Depending on the application, the combination of maximum values is not always possible.

### CONTACT US:

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**CHALLENGE US!  
WE SOLVE YOUR  
SORTING PROBLEM!**

## Flexible and open System

Flowsort diverters are high speed diverters designed to build into every conveyor system. It is a modular system which can be flexibly configured.

If, for example, 3 rows are required, just one SLD (1 row) and one DLD (2 rows) are connected with each other and done!

ZZ diverters can also handle products with dimensions smaller than 150mm. The ZZ diverters are available as a double row module and can be combined up to a maximum length of 8 rows

Flowsort's open interface approach ensures that both hardware and software connectivity is plug-and-play with all other surrounding technologies, regardless of which vendor those technologies are from.