



**ONE
OF THREE**

HIGH SPEED DIVERTER ZZ 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





ZZ Diverter

MECHANICAL INFORMATION

| | |
|-------------------|--|
| disc diameter | Ø 180 mm |
| module length | 373,2 mm |
| amount of rows | 2 |
| standard widths | 400 mm, 600 mm, 800 mm and 1.000 mm |
| PU wheel diameter | Ø 58 mm |
| hardness wheel | 80° Shore A |
| diverting angle | - 90° to +90° |

PRODUCT HANDLING

| | |
|--------------------------|----------------------|
| minimum size product | 80 x 80 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.