

FATH



flowsort
MODULAR SORTING SYSTEMS



**ONE
OF THREE**

HIGH SPEED DIVERTER ZZ sorter

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

FLOWSORT 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 sorter

Single Line Diverter = 1 row



DLD sorter

Double Line Diverter = 2 rows



ZZ sorter

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





ZZ sorter

MECHANICAL INFORMATION

wheel 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	70° shore
diverting angle	- 90° to +90°

PRODUCT HANDLING

minimum size product	80 x 80 mm
maximum size product	on request
maximum sorting capacity	6.000
minimum product weight	50 gr. / 1.764 oz
maximum product weight	35 kg / 77,16179 lbs.

CONTROL INFORMATION

motor rotation	24 volt pulse gear drive
maximum rotation speed	- 90° to +90° in 0,35 sec.
motor PU wheels	24 volt pulse gear drive
maximum speed	1,5 m / sec.
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
SORTATION 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.