



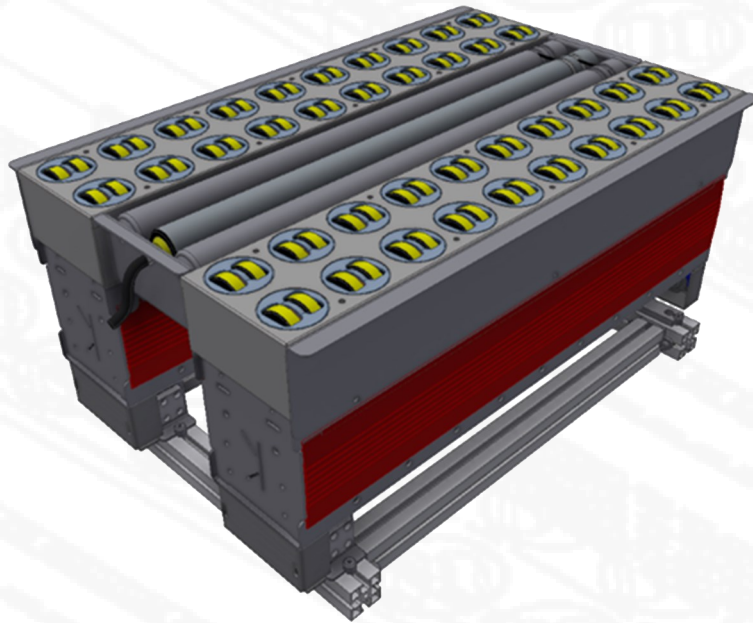
400 Volt



MODULAR SORTING TECHNOLOGY



K-Sorter



K-Sorter, MMS's brand new wheel sorter, represents an accurate, fast and efficient sorting system, equipped with 400 volt motors and control boards.

K-Sorter can perform different functions, such as sorting, gapping, alignment and centering.

The patented wheels control system allows to have a solid, reliable and low-maintenance solution, besides being particularly safe and silent.

The rubber wheels are the result of our twenty-year experience, during which they have been used in challenging environments, such as express couriers and logistic companies.

Thanks to its modular structure, K-Sorter can be assembled it in the required shape and size.

The module is placed on a support stand, specifically designed according to the application.



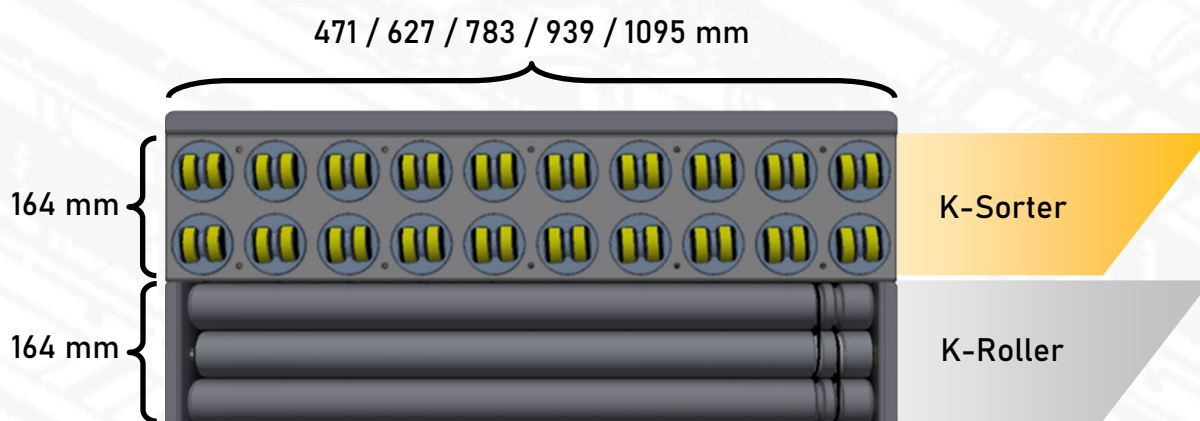
Modularity

K-Sorter is available in different models, each of them being subdivided according to the number of wheels and voltage.

The configuration includes **K-Roller**, a module composed of three motorized rollers, powered by a 24 Volt motor.

The models are also subdivided according to the length of the rollers.

These two modules can be assembled to reach the required size, in order to be adaptable to the different applications.





Mechanical Information

Productivity: from 3000 to 9000 pph

- Rubber wheels ø 58 mm
- Wheels pitch: 78 mm
- Wheels coating: 70 SH rubber
- Standard length: 164mm
- Standard width: 471/627/783/939/1095mm
- Height: 287 mm
- 400 volt motors
- Rotation angle: $\pm 90^\circ$
- Roller diameter: 50 mm (K-Roller)
- Roller pitch: 52 mm (K-Roller)

Electronic Information

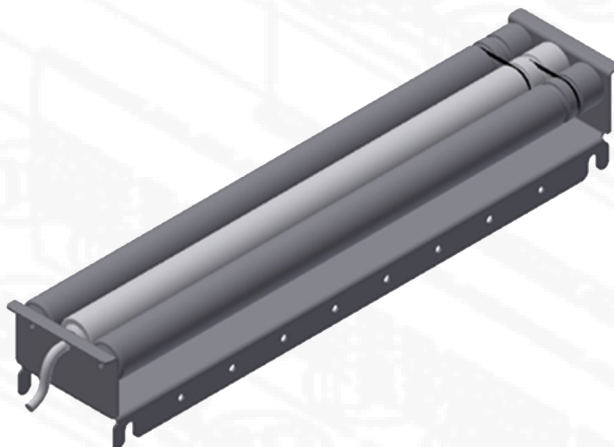
- Motor for rotation: 24 volt gear drive
- Max. rotation speed: 100 step/minute at 90°
- Motor for transport: 400 volt gear drive + Inverter
- Max. speed: 3 mt/s
- N°1 homing sensor per motor
- Control board with Profinet connector
- Protection: IP-54
- Temperature: from 0° to 40°

Conveyable Objects

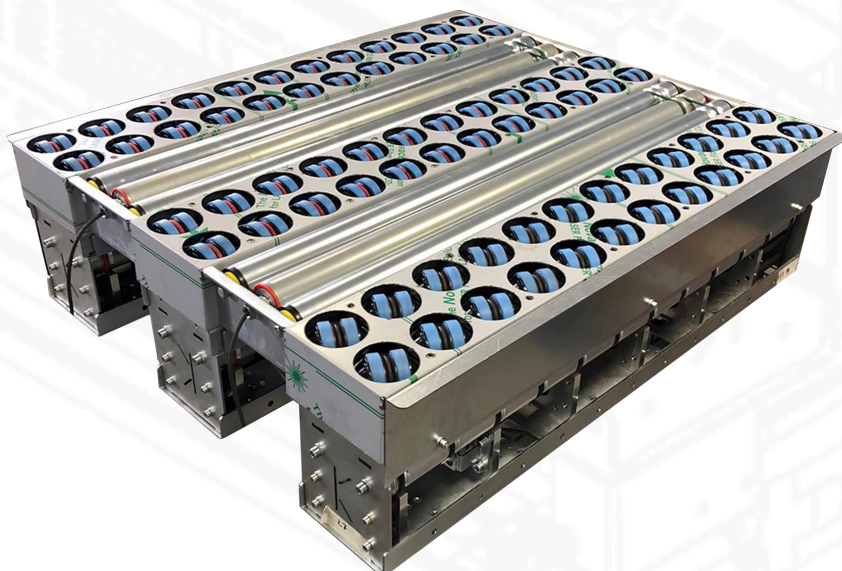
- Cardboard boxes, plastic containers, envelopes, bubble wrapped parcels.
- Sizes: Min. 150 x 100 x 5 mm
Max. 1200 x 800 x 800 mm
- Weight: Min. 50g
Max. 10kg per module
- Sorting capacity: up to 9000 parcels per hour
(depending on the size and the gap of the parcels).



KR - Key Roller

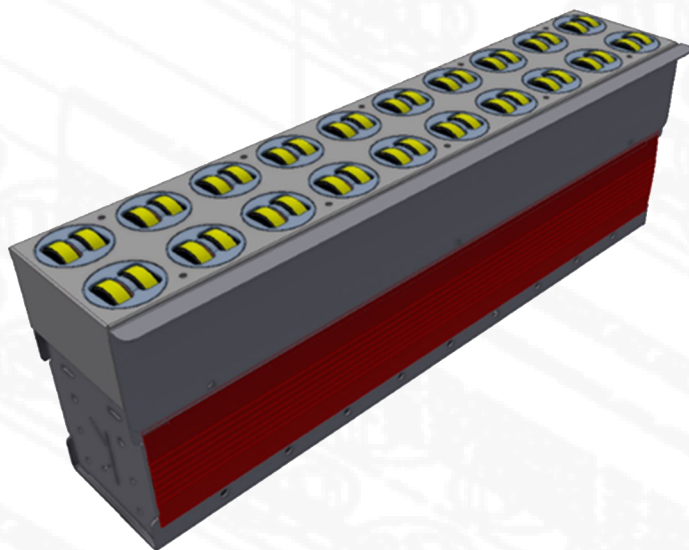


MODEL	LENGHT	ROLLER DIAMETER	TYPE
KR-A-24	471 mm	50 mm	Driveroller 24 Volt
KR-B-24	627 mm	50 mm	Driveroller 24 Volt
KR-C-24	783 mm	50 mm	Driveroller 24 Volt
KR-D-24	939 mm	50 mm	Driveroller 24 Volt
KR-E-24	1095 mm	50 mm	Driveroller 24 Volt





KS - Key Sorter



MODEL	LENGHT	WHEELS	MOTORS	ROTATION
KS-A-400	471 mm	12	1	1 Motor
KS-B-400	627 mm	16	1	1 Motor
KS-C-400	783 mm	20	1	1 Motor
KS-D-400	939 mm	24	1	1 Motor
KS-E-400	1095 mm	28	1	1 Motor
KS-D4-400	939 mm	24	1	2 Motors
KS-E4-400	1095 mm	28	1	2 Motors





Configurations







Accessories



BELT CONVEYOR

- W: 400 - 500 - 700 - 800 - 1000 - 1200 mm
- L: 500 ÷ 1500 mm
- Motors: 24/48 volt



ROLLER CONVEYOR

- W: 400 - 500 - 700 - 800 - 1000 - 1200 mm
- L: 500 ÷ 1500 mm
- Motors: 24/48 volt



INFEEEDING

- Angle: 30°/45°
- W: 400 - 500 - 700 - 800 - 1000 - 1200 mm
- Motors: 24/48 volt



GRAVITY-BOTTOM TROLLEY

- Size: on request



Accessories



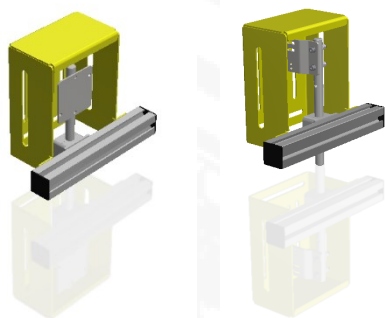
CONICAL ROLLER CURVE

- W: 400 - 500 - 700 - 800 - 1000 - 1200 mm
- Motors: 24/48 volt
- Angle: 30° - 45° - 60° - 90°



GRAVITY ROLLER CHUTE

- W: 500 - 700 - 800 - 1000 - 1200 mm
- L: 1000 ÷ 3000 mm
- Roller: gravity PVC roller ø 50 mm



PHOTOCELL SUPPORT



GUIDE SIDES

- Aluminium profile
- L: 500 ÷ 3000 mm

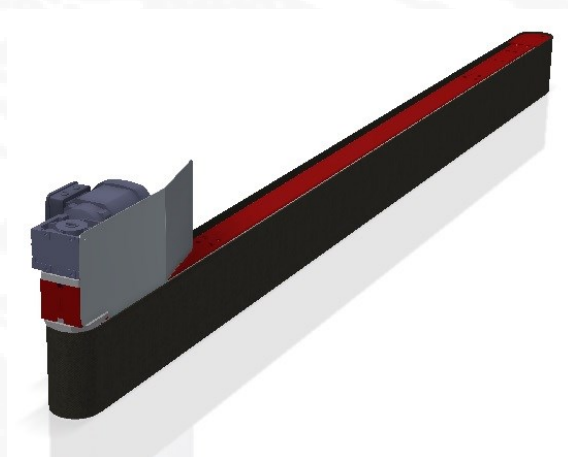


Accessories



OPERATOR'S WORKSTATION

- Details on request



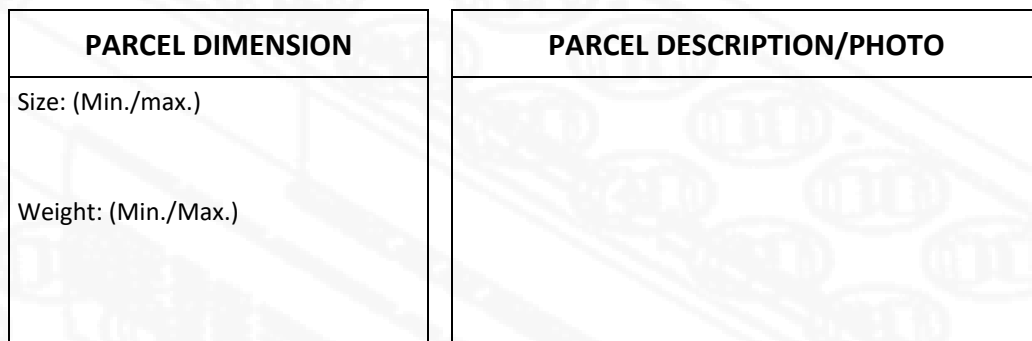
MOTORIZED SIDE GUIDE

- L: 500 ÷ 2000 mm



SUPPORT STANDS

- Painted steel structure
- W: 300 ÷ 1200 mm
- L: 500 ÷ 3000 mm
- H: on request

☐ Others



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