



MULTILANE DIVIDERS

LM multilane dividers are special handling systems used for high speed and multiple lanes distribution of single products or instable packages. The main areas of utilisation are food, beverage, pharmaceutical industry, home care and personal care industry, chemical industry in general.



LM laners can be used in many different applications, for example:

- product sorting according to predetermined quantities so to feed secondary packaging machines (shrink wrappers, wraparound packers)
- layer preparation for top loaders
- layer preparation for single product palletizers
- product sorting according to different criteria (colour, label,...) so to prepare secondary packages containing different products in predetermined quantities

MULTILANE DIVIDERS LM07

Laner LM07 is a dividing system which is placed over a modular belt conveyor. The change of lane is made by telescopic moving guides which bring the products up to the discharge of the machine. The guides move both in transversal direction (X axis) for lanes change and longitudinal direction (Y axis) synchronised with the modular conveyor movement. This configuration allows very fast and precise lane switching without holding the products and with no need to creating any gaps in between products, with a relevant gain in productivity of the system. Both transversal and longitudinal movement are servo controlled.

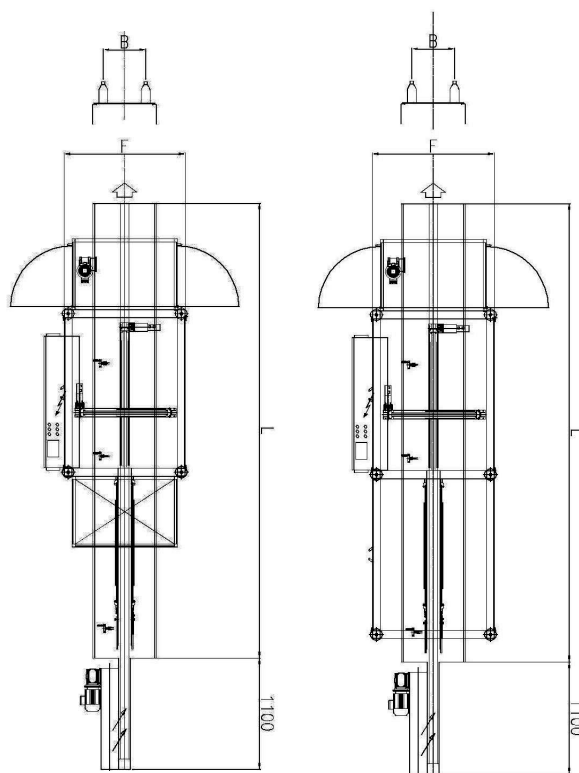
Products typically handled:

- glass jars and cans
- PET or glass bottles
- flacons
- plastic or metal liquid containers/tanks
- bi-packs or tri-packs



MULTILANE DIVIDERS LM07

Model	LM07M	LM07F
Maximum capacity (product/min):	600	900
Maximum speed (m/min):	50	70
Maximum number of lanes	12	
Noise level at 40 m/min (dB):	80	80
Maximum standard deviation B (mm):	420, 520, 720	
Frame width F (mm):	1200, 1300, 1500	
Conveyor length L* (mm):	4500	4500
Height H (mm):	form 950 to 1300	
Power installed (kW):	4	5



* excluded outlet side transfers conveyors if any

Construction:

- Standard: conveyor frame stainless steel
laner frame in mild painted steel
- Stainless: conveyor frame stainless steel
laner frame in stainless steel

Typical features:

- The supply includes inlet single lane transfer conveyor and outlet conveyor section with multilane guiding
- The machine can be supplied without conveyor belt
- The system follows automatically line speed variations
- Outlet lanes monitoring and balancing
- Low noise level
- Long maintenance intervals and easy maintenance
- Very fast format changeover

Options and special versions:

- Outlet side transfer conveyor for unstable products
- Side grip powered belts mounted on telescopic guides (for products which need to be hold during the motion)
- Automatic format changeover
- Product turning systems at in-feed or out-feed of machine for changing the leading side of the products



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