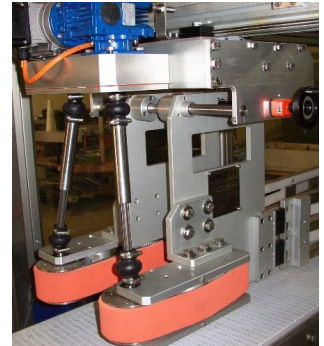




MULTILANE DIVIDERS

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 LM05

Laner LM05 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. At the exit of the moving guides there are 2 vertical side grip belts which hold and gap the products so to allow for the side movement. The side movement is controlled by a servomotor, while the motion of the vertical side grip belts is controlled by means of a frequency converter and is synchronised to the speed of the modular belt.

Products typically handled:

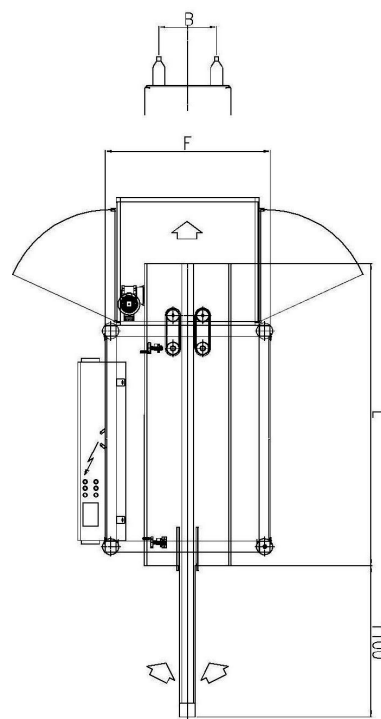
- glass jars and tins
- PET or glass bottles
- flacons
- stand up carton boxes
- plastic or metal liquid containers/tanks
- bi-packs or tri-packs



MULTILANE DIVIDERS LM05

Maximum capacity (product/min):	250
Maximum speed (m/min):	40
Maximum number of lanes	12
Noise level at 40 m/min (dB):	80
Maximum standard deviation B (mm):	420, 520, 720
Frame width F (mm):	1200, 1300, 1500
Conveyor length L* (mm):	2200
Height H (mm):	from 950 to 1300
Power installed (kW):	3

* excluded inlet and outlet side transfers conveyors if any



Construction:

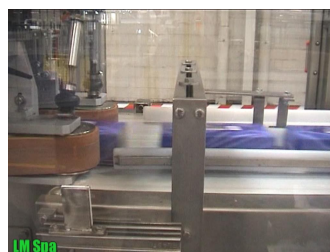
- Standard: conveyor frame stainless steel
laner frame in mild painted steel
- Stainless: conveyor frame stainless steel
laner frame in stainless steel

Typical features:

- The 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:

- Multilane guided conveyor at machine discharge with frontal transfer or side transfer (for unstable products)
- Inlet single lane side transfer conveyor
- Automatic format changeover
- Product turning systems at in-feed or out-feed of machine for changing the leading side of the products
- Product twister at machine in-feed to move products from horizontal to vertical position.



L.M. S.p.A.

V.le delle Nazioni, 95
41100 Modena - ITALY
Tel. +39 059 3164411
Fax +39 059 3164404
E-Mail: info@lmgroup.it
www.lmgroup.it