



Dynamic mergers HP series

Evolution of the DU series developed for high speeds

The dynamic mergers DU-HP series are created to meet specific requirements of the confectionery sector, grew out of the increasingly high production capacity of process machinery and primary and secondary packaging.

The flow pack is the most prevalent packaging in this market and requires special handling: almost impossible to be sent to storage without product overlapping or without risk of damage to the product inside, often fragile or deformable.

To meet this need MH has developed a phasing system that allows to prevent any contact between products during the phasing process.

Each track input is composed of three phasing conveyor belts which can be driven by AC motor with inverter or brushless motor, required with increasing speeds and production rates.

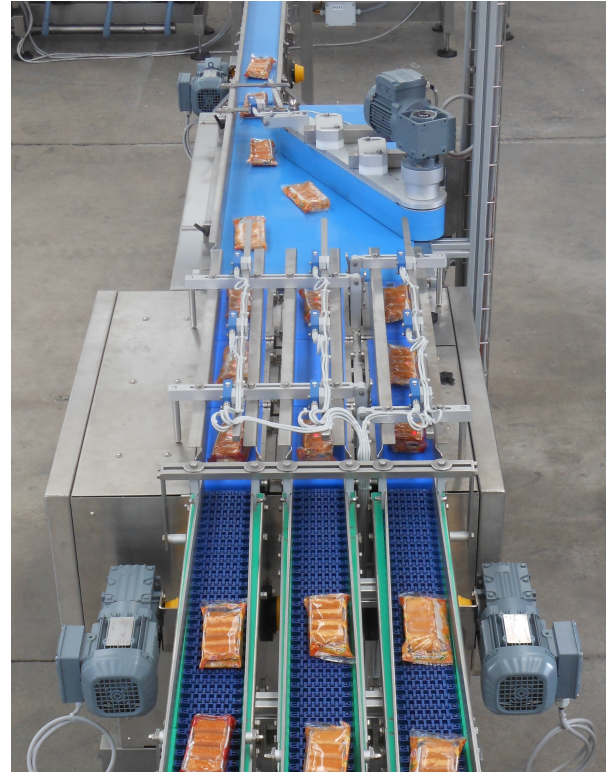
All conveyors are arranged to apply a suction system through blower. This option is necessary for light products and high speeds.

The unification conveyor is also a conveyor belt.

The convergence of the products in single row is obtained through of a vertical belt conveyor motorized which prevents the risk that the weld of the pack can fit under the fixed rails by creating a block disastrous for the production.

The choice of belt conveyors is necessary both to ensure head passages with the minimum winding diameter, crucial in the case of lighter products and small in size, both to limit the noise that would be too high with a chain conveyor.

The standard machine is equipped with an independent control panel with its own PLC.



TECHNICAL DATA*

Standard Configuration

2 in 1 - 3 in 1

Typical size of the machine

Lenght from 2500 mm to 3500 mm approximately
Width about 600-1500 mm

Productivity

Up to 600pieces/min overall productivity depending on the product sizes, shapes and conditions

Or 90-100 m/min maximum linear nominal speed considering the products on single row and with no gap between one and the other (the actual speed of the transported in the unification process will be higher).

*These values are rule of thumb. Please contact our technical department in order to evaluate each specific application.