

# PA Standard Flat Conveyor

These aesthetically pleasing Horizontal Flat Bed Conveyors from MB Conveyors are a standard means to transport materials between factory processes, across flat terrains, typically from robots and packaging machines.

They are suitable for integration with a wide range of conveyor types to build a system to meet your needs. The standard motor supply voltage is 400 Volts/50 Hz, and standard operating temperature of the belts are -10°C to 90°C. Fixed standard conveyor speed is 3m/minute.

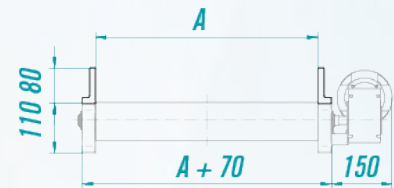
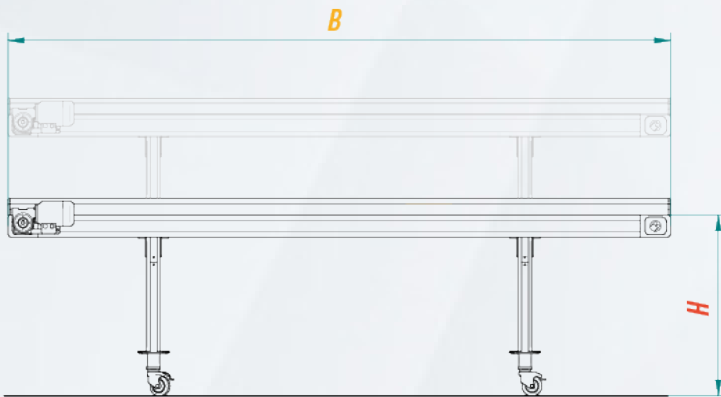
## Main Characteristics

- ▶ Anodized ALU profile structure (thickness 15 Microns) Alloy 6060
- ▶ The standard conveyor configuration features h 80 mm side panels and switch/motor protector + cable and plug
- ▶ Standard cut-proof, oil-proof belt with smooth green Polyurethane covering (ref. Pantone 320); vulcanized belt joint.
- ▶ Belt details:
  - Hardness of PU cover: 92 Shore
  - Contact temperature: -10 +110°C
  - Operating temperature: -10 +90°C



## Drive Unit:

- ▶ Power: 0.12 kW
- ▶ Speed: 5.8 m/min fixed
- ▶ Voltage: 400 V / 50 Hz
- ▶ Std installation: on left-hand side with fixed drive and shaft-mounted flange
- ▶ Worm reduction gear with life-long lubrication



**A**

*min 100 mm*  
*max 2000 mm*

**B**

*min 600 mm*  
*max 20 m*

**H**

*min 200 mm*  
*max 2000 mm*



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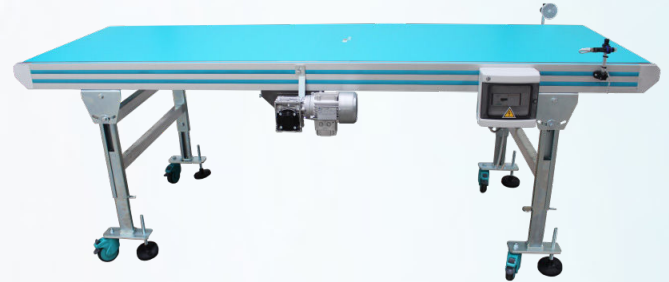
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## PA 110 for installation in a conveying line

- ▶ PA Conveyor belt with special 30/50 diameter heads to facilitate product transfer for one conveyor to the next.
- ▶ The central drive unit positioned under the belt, the textured PVC belt and the end of the travel photocell complete with electromechanical control panel.
- ▶ Vibration-damping feet and casters.

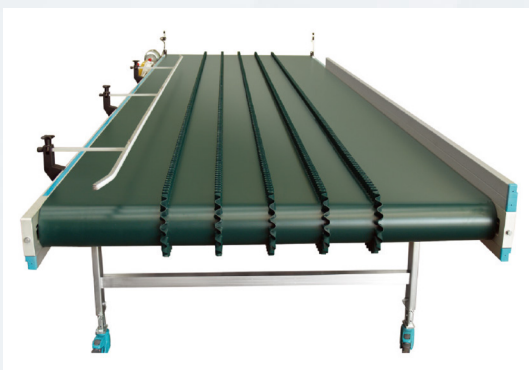
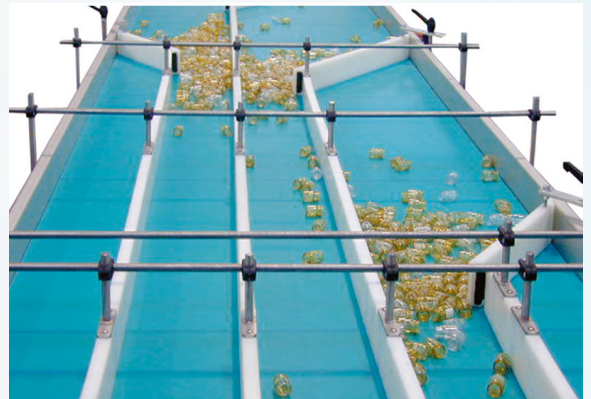


## PA 110 with central support and adjustable side panels

- ▶ PA 1100 conveyor with central floor-mounted support complete with manually operated lift/lower device adjusted by a handwheel.
- ▶ The side panels can be adjusted to ensure the product is properly channelled as it is conveyed.
- ▶ These types of side panels are especially suited for conveying flasks, bottles and containers in general.

## PA 110 complete with central partitions

- ▶ Polyzene partitons can create several conveying lanes on the same conveyor.
- ▶ The position of the partitions are not fixed but adjustable using special clamps.
- ▶ The oblique parts of the partitions channel the product outside the conveyor, facilitated by the smoothness of the belt installed.



## PA 110 with belt complete with 'BANDE BOARD'

- ▶ Conveyor belt is divided into several lanes by heat-welding strip of 'Bande Board' in the longitudinal direction.
- ▶ The diameter of the rollers on PA 110 allow h 30/50mm Bande Board to be used while the fuction can be multi-purpose:
  - Creating separate lanes when several products that must not come into contact with each other are conveyed.
  - Supporting products that must not touch the flat surface of the bed.



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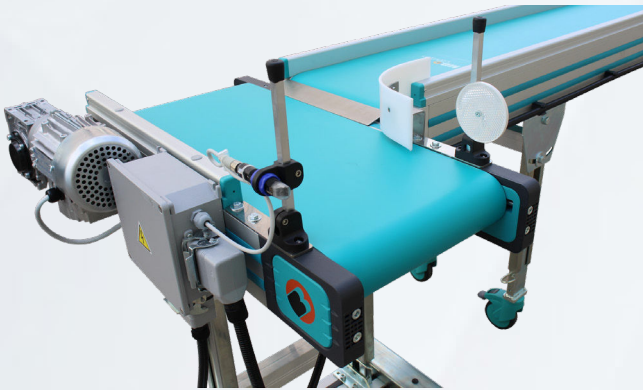
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# PA Standard Flat Conveyor

## PA 110 installed under a press

- ▶ Conveyor designed for installation in a press at right angles.
- ▶ The conveyor is complete with a chute to collect product leaving the mould in AISI 304 stainless steel sheet, sized to accurately cover the entire area through which the product passes after leaving the mould.
- ▶ Polycarbonate guards prevent the product from being soiled by leaking oil or other contaminants.



## PA 110 with right-angled transfer

- ▶ A right-angled section between flat conveyors.
- ▶ The solution is only proposed after accurate tests have been conducted.
- ▶ It is ideal when cardboard or plastic containers are conveyed.

## Overlapping PA 110 with polycarbonate dust guards

- ▶ Conveyor line formed by two overlapping PA 110 about 17m in length.
- ▶ Both conveyors have structural polycarbonate covers.
- ▶ The covers can be fitted with sliding doors to allow product to be removed for quality control purposes.



## Belt conveyor system for automotive products

- ▶ A conveying system for vehicle fenders.
- ▶ The system comprises of two parallel but independent lines.
- ▶ The centre distance between the lines and the work height can be changed, allowing the system to be used for products with different dimensional characteristics.



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