

FICHE TECHNIQUE AIRPORT \

MOTORISED BELTS

The Horizontal Mobile Divider (motorised belt) is used in situations requiring low deviation rates, usually on a linear conveyor, and is driven by a single-arm tilt mechanism.

Structure

The structure is made from steel of different thicknesses; it is sufficiently dimensioned to withstand stresses it undergoes.

Drums

All the drums are of non-vulcanised models with a central groove to keep the belt perfectly aligned and to guide the vulcanised bulrush under the internal face of said band.

Bearings

All bearings are lubricated for life, but extra lubrication is still possible.

Belts

The belts are constructed on 2 ply polyester casing, with a total thickness of 5 mm, made of smooth black PVC characteristics by minimum noise interference..

Finish

The structural components of the conveyor units as well as the edges are made of painted galvanised steel. The bearing brackets, tensioning parts and other accessories are zinc-plated. The lined parts will be protected against rust with anti-rust paint.

Description

The partly completed machine called the divider comprises a fixed structure, at one end of which is mounted a rigid vertical conveyor unit, performing horizontal dividing mechanically by a to-and-fro motion controlled by a central computer. The movable arm pivots on a reel which acts as a hinge and drive for the belt without any additional support mechanism.

By means of a simple to-and-fro motion, a geared motor controlled by the system is responsible for opening and closing the movable arm at an angle of 0 to 45°.

Safety devices

The divider is protected on all sides by sheet metal covers so that it is impossible to access the moving parts. The openings between the guards are restricted. The drive mechanism is located inside the machine and has fixed lids that require the use of tools to be disassembled.