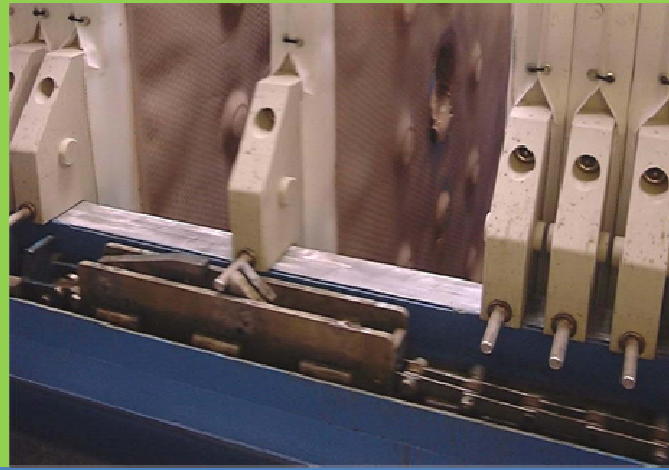


Auto Plate Shift System

save time and labour with mechanised
APPS™ plate shifting for filter presses



Operator attendance is required to the bare minimum once you have the Limburg Filter Automated Plate Shifting System (APPS™) installed alongside the side bars of the filter press.

The APPS saves time and energy when it comes down to move filter plates for cake release and cloth washing. With a simple push button on a pendant control unit the operator activates the system. It is literally a piece of cake to move plates from left to right or vice versa.

Even when plates tend to stick together it picks up the plate to be shifted and holds back other plates, thus forcing plates to move one by one.

It is also possible to add-on a plate shaker system for assisted cake release. It is energised by the hydraulic power pack and designed to vigorously shake single or multiple filter plates automatically.

APPS™ advantages

- Robust design – reliable performance
- Filter plates will be perfectly aligned
- Unrestricted access for operator to remove cake
- Made of stainless steel to prevent corrosion
- No springs exposed
- Two bolt removal for easy maintenance
- Can be retrofitted on other filter presses



Single or Multiple Filter Cake Shaker System

OPERATING PROCEDURE



typical APPS multiple plate transport & shaker system mounted on a 1,500mm filter press

Close filter press

- 1) The operator selects close on the filter press control panel switch.
- 2) The operator pushes hold to run button on control panels door filter press will close to pressure switch 1. At this point the filter press is closed to a safe position and the operator can release the hold to run button.
- 3) Filter press will continue to close to pressure switch 2 and then stop.
- 4) The filter press is now ready for process
- 5) If the filter press pressure decays during the filtration cycle the filter press will automatically sustain to maintain the correct closing load.

Open filter press

- 1) Operator selects open on filter press panel door switch
- 2) Operators pushes hold to run button on panel door
- 3) Filter press will open to open switch on inside of sidebars

Cake discharge

- 4) Operator can now use pendant control on overhead trolleys down the length of the filter press to traverse the plate movement in both directions until all the press plates have been moved and cakes discharged.
- 5) At the end of cake discharge operator selects close on filter press control panel for next cycle.

Why APPS™:

- Reduced labour
- Consistency of operation
- Less mechanical damage
- Longer cloth life

