

AUTOMATIC PLATE SHIFTER

The M.W. Watermark Automatic Plate Shifter eliminates the need for operator intervention during filter cake discharge. The automatic plate shifter is used in conjunction with the M.W. Watermark Full Automation Control System, or with custom PLC controls, to provide the highest level of filter press automation available. An automatic plate shifter is desirable when there are multiple filter presses installed in one location, where operator contact with the filter cake is undesirable, or where a dedicated operator is not available to shift each filter plate every time the filter press is opened. The automatic plate shifter features continuously adaptive shifting speed to optimize filter cake discharge times. Shifter speed is varied throughout each plate shift to provide quick and smooth operation.

In applications where the filter cake may not discharge immediately when shifting the plates due to adhesion to the filter cloth, a pneumatic "bump" mechanism is available as an attachment to the automatic plate shifter. When the bump option is included, the lift mechanism attached to the shifter carriage on one side of the filter press lifts the filter plate handle on that side of the press and drops it. The force of the filter plate handle impacting the sidebar knocks the filter cake loose from the cloth.

[View Automatic Shifter & Automatic Shifter with "Bump" in Operation](#)

