

# Solids Handling Systems

## HyDron Monobelt® Belt Press

The Monobelt® belt press is innovatively designed to effectively de-water industrial and biological wastewater treatment sludges. Excellent dewatering is achieved by combining a sludge pre-thickener and a sludge belt filter press into one unit. Minimal maintenance is required on the Monobelt® since it has only one moving belt.

Monobelt® Belt Press NP 15C



Application: Chicken Processing

### Features and Benefits of the Monobelt®

- All stainless steel construction.
- Pre thickening increases throughput and percent solids.
- Sizes available include 0.8, 1.2, and 1.5 meters.
- Economical and compact design with minimal maintenance.
- Better de-watering capabilities than traditional multi-belt systems.

### The Belt Press Process

The pre-thickener stage performs the initial solid/liquid separation. The pre-thickening sludge is then spread uniformly onto the main filter cloth. Final de-watering occurs as the sludge passes between the perforated cylinder, which is covered with a secondary cloth, and the main moving belt. The Monobelt® will typically produce dry solids in the range of 30 to 45 percent on industrial sludges and from 20 to 30 percent on biological sludges.

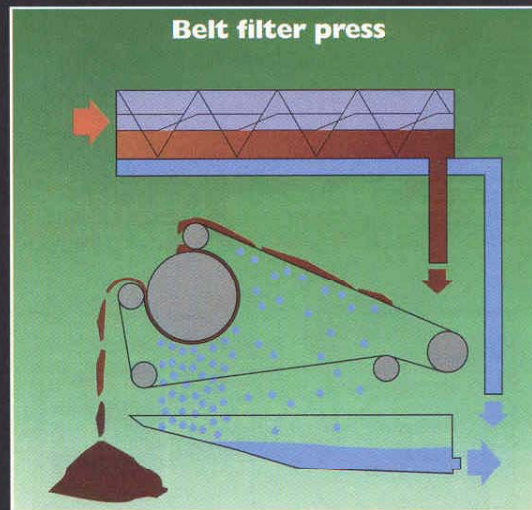


Plate And Frame Filter Press



Application: Industrial Laundry

### The Filter Press Process

A hydraulic system holds the filter plates closed while sludge is forced under pressure into the filter chamber. The solids are retained by the filter cloth creating a cake. The filter press will produce dry solids in the range of 40 to 50 percent.