



The Helixpress® unit is ideal for industrial and municipal dewatering



High carrying capacity

# Hycor® Helixpress® Dewatering Press

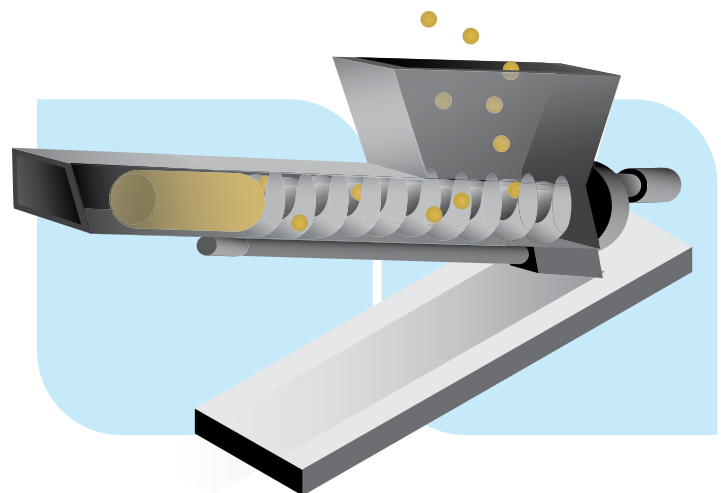
## High capacity spiral conveying/dewatering press

The Helixpress® system is a cost-effective all-in-one compacting dewatering press and conveyor. It utilizes a combination of drainage, compaction and dewatering to reduce weight and volume and ultimately decrease hauling and disposal costs.

Helixpress units are available in lengths up to 30 feet and can be installed at an incline up to 20 degrees. It is ruggedly constructed of corrosion-resistant 304L stainless steel with a durable, high strength carbon steel shaftless spiral to provide long years of service. The shaftless spiral design allows for multiple collection points for maximum flexibility.

The press has only one moving part – an extremely tough, double flighted spiral which transports solids to the compacting zone and dewateres them with a gradual build-up of pressure. A special drainage screen, located at the drive end, allows

drainage as wet solids enter the unit and are conveyed to the compacting zone. A rugged brush on the spiral keeps the perforated drainage screen clean. One economical, low horsepower gearmotor controls the entire operation.



## The Helixpress® unit's shaftless spiral handles high volume and bulky solids

The spiral conveying zone is enclosed from entry to discharge. A heavy duty liner protects the trough against mechanical wear.

Because there is no center shaft to occupy space, catch stringy solids or harbor greasy, sticky build-ups, the Helixpress unit provides greater capacity and consistent dewatering. Removable covers on the trough provide easy access for clean-up.

## Solids are compressed and dewatered simultaneously

A plug of material develops as solids are compacted against a spring-loaded back pressure door. Pressure builds gradually, until the force of the spring is overcome and the door opens and a compacted, dewatered plug of solids is discharged.

The compacting zone is surrounded by a stainless steel wedgewire screen which allows liquid from the "squeezed" solids to drain back to a common collection point.

## Satisfaction guaranteed

Over 20 years of experience. Hundreds of units sold. Solid knowledge and experience. This is the Parkson guarantee.



## Options

- Bagger assembly: attaches to discharge so that screenings can be totally enclosed from entry to discharge
- Spray box: automatically keeps the wedgewire screen in the press zone area clean. For certain applications, it can reduce maintenance and result in more consistent solids dryness



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