



High Capacity Thickener Retrofit

The Westpro Advantage:

- Upgrade conventional thickeners to high capacity thickeners
- Up to 50% and beyond increased thickener capacity
- Maintain existing tanks and infrastructure
- Customized for each application
- Experienced engineers and technicians

High Capacity Thickener Retrofit

Boost the performance of your conventional thickeners by retrofitting them with Westpro's high capacity thickener mechanisms. Westpro's industry-leading thickening technology delivers superior dewatering performance and provides capacity increases of up to 50% and beyond.

Each thickener retrofit application is analyzed by Westpro's experienced team of engineers to develop customized solutions for superior dewatering performance and ease of installation on site. Installed on existing tanks and infrastructure, Westpro's High Capacity Thickener Retrofits provide an efficient and cost-effective solution for plant expansion and optimization projects.

With over 30 years of experience in the mineral processing industry and with thickener installations worldwide, Westpro is ideally positioned to assist you with your dewatering process technology

Site Service and Support

Westpro is committed to service excellence and customer satisfaction, as reflected by the full suite of high-quality site services offered for thickener retrofit applications.

Experienced site service personnel are available for projects all over the world, providing services ranging from an initial site inspection and process audit through to the commissioning of the upgraded thickener. Ongoing support is provided for spare parts and process optimization.



View of Westpro's 138ft diameter high capacity thickener mechanism

High Capacity Thickener Retrofit Kit

Westpro's thickener retrofit technology solutions are offered as a High Capacity Thickener Retrofit Kit, which includes the mechanism components as listed below.

New generation hydraulic drive

- Single unit for rake rotation and rake lift.
- Proven reliability, even in overcapacity process situations.
- Robust design and high torque capability.

Low drag — high capacity rakes

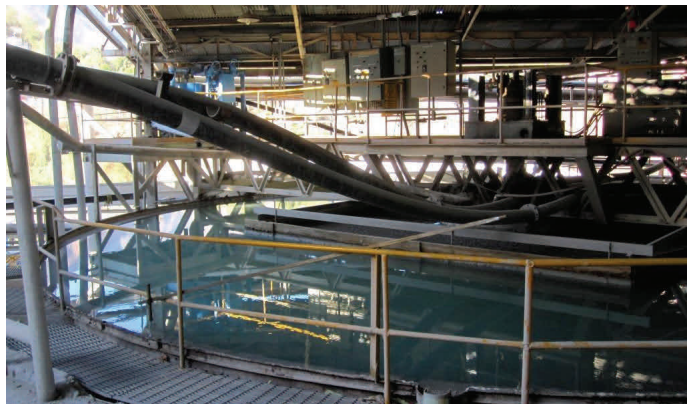
- Heavy duty design.
- Engineered for high torque applications.
- Deliver superior settled solids conveying performance.

Feed wells

- Custom designed for each application.
- Optimize dewatering capabilities and minimize flocculant consumption by providing:
 - Effective feed energy dissipation.
 - Uniform feed distribution across thickener diameter.
 - Sufficient residence time for floc contact and mixing.
- Various feed well type and customization options available.

Control System

- Local control panel w/ PLC for thickener monitoring & control.
- Rake protection system with pressure switch torque alarms.
- Automatic rake lift and descent based on torque measurement.



Westpro's 55ft dia. Westpro high capacity thickener retrofit, providing increased thickener capacity for over 10 years



Westpro 48ft high capacity thickener retrofit hydraulic drive and control panel

YOUR PROCESS TECHNOLOGY PARTNER

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