

TITAN THICKENER



Hi-Rate Thickener



High Density / Paste Thickener



Clarifier



www.mechprotech.co.za



Safety



Integrity



Accountability



Executional Excellence



Innovation



Results Driven



Employee Optimisation



TITAN THICKENER

SPECIFICATIONS

We supply Thickeners from 1 meter (3ft.) up to to 20 meter (65ft.) in diameter.

TITAN THICKENER RANGE

Diameter (m)	Thickener Model	Drive Max Torque (kN.m)
1.2	HRT1218	1.1
1.2	HRT1224	1.2
3	HRT3015	16.6
5	HRT5024	37.4
10	HRT1024	66.5
12	HRT1224	104
12	HRT1230	149
15	HRT1530	252
18	HRT1830	330
20	HRT2030	450

High Aspect ratio.

Up to 50% (w/w) density in underflow.

Reduced footprint.

Low ppm in overflow for optimal water clarity.

Please contact us for more specific thickener design requirements.

FEATURES

1

Operational Efficiency

Structurally Grated Walkway: Facilitates easy maintenance and inspection with flexible access options such as stairway or cat ladder.

2

Superior Design and Construction

High performance mechanical or hydraulic lift mechanism with planetary drive gearbox. Efficient settling and scraping with full and half radius rake arms, high-efficiency constant velocity rakes, and a cone scraper to prevent blockages.

3

Advanced Control and Monitoring

Precise control with a drive panel featuring VSD and torque warning. The hydraulic lifting system adjusts rake height based on process torque.

4

Adjustable Feedwell

Advanced feed well deign, auto dilution, efficient mixing of slurry and flocculent,

5

Torque Monitoring System

Adjustable rake height to maintain optimal operation and prevent overloading, ensuring efficient solids settlement and movement to the central outlet via mechanical or hydraulic lift.

PRODUCT OFFERED WITH



Centre Drive – Bridge Support



Modular Bolted Thickener



Automated Torque Rake System