

# Metso:Outotec

# High Compression Thickener



Application

High Compression Thickener is suitable for higher dewatering requirement applications

Metso Outotec High Compression Thickener (HCT) is a market leading technology for slurry thickening, based on proven successful innovations developed over decades, guaranteeing high performance even under variable process conditions.

Metso Outotec is the global leader in the design, fabrication and supply of thickening and clarifying solutions with more than 50 years of experience. Our leading process expertise and know-how covers a wide range of applications with sustainability at the forefront.

Metso Outotec has already installed more than 200 HCTs worldwide. HCTs ensure reliable thickening performance from a deeper solids bed and are suitable for applications where additional dewatering is required:

- Counter Current Decantation (CCD)
- Tailings
- Pre and post-leaching duties
- Mineral sands slimes
- Clay duties

HCTs provide a cost-effective underflow density and utilize the latest flocculation

and feedwell technology for long term sustainability benefits.

### Automated operation

Thickener Optimizer combines Metso Outotec's thickening experience with a multivariable, model-based controller and helps improve HCT performance. This is done by controlling the key variables with changing feed conditions, to achieve a target underflow density and consistent solids inventory.

Scan or click the QR code to read more:



### Benefits

- Deeper bed and rotating pickets for improved dewatering
- Beneficial with compressible solids beds
- Uses flocculation chemistry to dramatically increase settling rates
- Maintains a constant solids inventory and solid/liquid interface
- Consistent and high-density underflow
- Enables process automation

## High Compression Thickener

# Key components

