

Comparison with Various Dewatering Machines

	Belt Press	Screw Press	Rotary Press
Structure	Principle: Filtration Driving force: Gravity Separation: Gravitational filtration Dewatering: Load + press Filter medium: Filter cloth Filtering surface: Fix Opening: Twill Discharge: Running filter	Principle: Filtration Driving force: Pressure Separation: Pressurized filtration Dewatering: Pressure + press Filter medium: Perforated metal Filtering surface: Renewed Opening: 0.5-1.5mm Discharge: Screw conveyor	Principle: Filtration Driving force: Pressure Separation: Pressurized filtration Dewatering: Pressure + press Filter medium: Perforated metal Filtering surface: Renewed Opening: 0.2-0.6mm Discharge: friction
Advantage	<ul style="list-style-type: none"> *Less noise *High SS recovery rate 	<ul style="list-style-type: none"> *Less noise *Less rinse water 	<ul style="list-style-type: none"> *Energy saving *Lighter, smaller installation space *Less noise *Less rinse water *Less odor
Disadvantage	<ul style="list-style-type: none"> *Need filter change *Corrosion of equipment *Need filter cleansing *Difficult to prevent odor *Many accessories *Heavy 	<ul style="list-style-type: none"> *Low SS recovery rate *Need cleansing of outer casing *Difficult to directly dewater excess sludge 	<ul style="list-style-type: none"> *Fewer sales records