

Combined machine for screenings washing, dewatering and compacting

Develop

process solutions partnerships to find efficiencies on new or existing process.

Design

- machines for solids recovery, liquid clarification, and minimize water consumption.

Deliver

- project specific solutions for better economic, and environmental process performance.

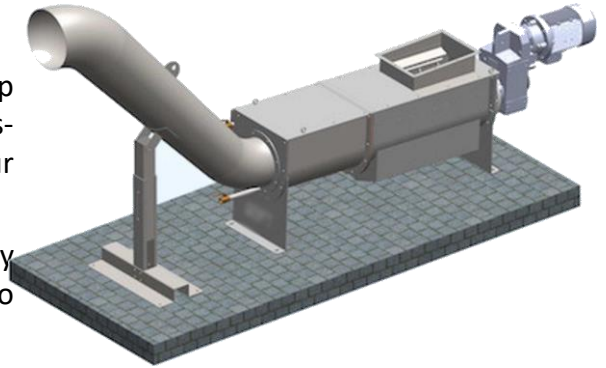


Capacity up to 8 GPM 35.2m³/h

MANUFACTURE

DRYCAKE's technical department is able to develop all the required design activities from feasibility to as-built. Process Validation can be validated using our lab or on-site pilot services.

Our equipment is manufactured in high quality Stainless Steel, and is fully customizable according to project requirements and needs.



The production team is composed by assemblers and certified welders, experts in TIG (Tungsten Inert Gas) welding, a process of arc welding with consumable electrode (Tungsten), under protection of inert gas. After the welding processes, the Stainless Steel is passivated by our operators.

Quality control during the entire design process guarantees the compliance with Customer's technical requirements, good manufacturing practices and compliance with UL and CSA, ASMI, ANSI Standards and certifications.

All equipment is subject to 3rd party witnessed factory acceptance test prior to shipment.

OPERATION

The **WASHER PRESS** is designed and dimension to wash and reduce the weight and volume of low liquid content screenings coming from an upstream screen. The unit can be placed directly under the screen or fed with a conveyor.

The screenings enter the unit through the inlet hopper. The screw presses the screenings while transporting them to compaction zone. The screenings are compacted and discharge into a screenings bin. The extracted liquid from compaction drains out a wedge wired or perforated basket and into the effluent outlet pipe.



Capacity up to 8 GPM 35.2m³/h

FEATURES

- ✓ Automatic Operation
- ✓ Easy installation
- ✓ High screenings compacting achieve (up to 60%)
- ✓ No submerged mechanical components
- ✓ Manufactured in Stainless Steel AISI 304 and 316(L)
- ✓ Welding pickled and passivated
- ✓ Fully Removable covers for hygienic encapsulation
- ✓ Disposal costs reduction
- ✓ Low and easy maintenance required (no welding required)

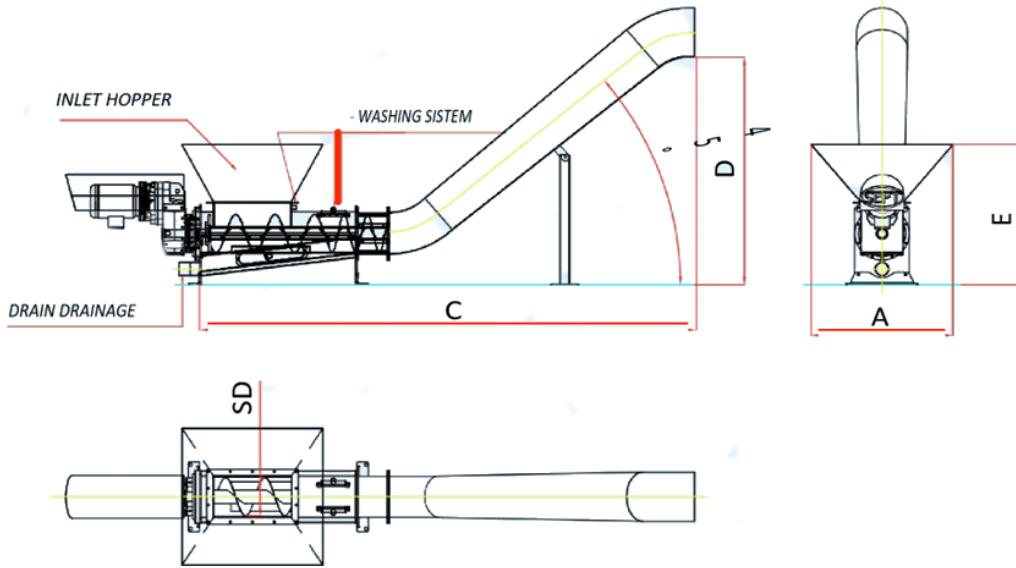
Washing provides 90% of organics removal
Compaction reduces disposal volume to 60%



Discharge chute with endless bagger or into a bin.



MODEL & DIMENSION



	A mm	C mm	D mm	E mm	SD mm	Wash. Press. bar	Comp. Hose D. nom.
DSW-P200	600	3200	1500	800	∅ 180	5-8	DN 250
DSW-P250	600	3800	1500	900	∅ 250	5-8	DN 300
DSW-P300	800	4200	1500	1000	∅ 300	5-8	DN 350

* Other model available on demand.

	FLOW RATE m ³ /h	Power kW
DSW-P200	2	3
DSW-P250	4	4
DSW-P300	6	5,5

EQUIPMENT RANGE

Mechanical Dewatering

- Decanter Centrifuge
- High Speed Centrifuge
- Gravity Belt Press Thickener
- Belt Press
- Scrudrain: Screw Thickener
- Screw Press
- DRAIMAD Dewatering bag skid

Thermal Systems

- Sludge Dryers
- Evaporators

Screening

- Multi-Rake Bar Screens
- Perforated Plate Screens
- Internally Fed Drum Screens

Grit and FOG Removal Systems

Solid Waste

- Material Sorting & Screening

Polymer Preparation

- Dry & Liquid polymer systems

Materials Handling Systems

- Shaftless Screw Conveyors
- Belt Conveyors
- Live Bottoms
- Silos
- Sorting Lines
- Shredders

Pumping

- PC Pumps

APPLICATION FIELD

By PROCESS

- Aggregates conveying
- Biomass drying
- Biomass gasification wastewater treatment
- Biosolids reduction
- Biosolids stabilization (Class A)
- BOD reduction
- Cogeneration
- Dewatering:
 - Aerobic sludge
 - Anaerobic sludge
 - Lime & Alum sludge
 - Mixed industry sludge
 - WAS sludge
- Evaporation
- Enzymatic Inactivation
- Fish processing

- Flour enhancement
- Head works
- Heat treatment
- Kelp processing
- Bulk materials Handling
- Leachate treatment
- Oil separation
- Paper sludge de-inking
- Plastics separation
- Pump station screening
- Pulp Recovery

By INDUSTRY

- Airports
- Biomass gasification
- Cement factory
- Dairy Industry
- Die Casting Industry
- Flour Mill
- Landfill
- Municipal WWTP
- Paint Factories
- Petro-chemical refinery
- Pulp & Paper industry
- Potato plant
- Rendering plant
- Slaughtering plant
- Tar Sands
- Quarries