















## Digester Type by Moisture Content

Digester Type	Digester Water Content	Feedstock Type	Net Energy Output	Digestate Treatment	Leachate Production
High solids stackable	Less than 60%	Stackable materials	Highest	Dewatering not required	Lowest
High solids slurry	Between 60% and 80%	Wet but not liquid	Intermediate	Dewatering may be required	Intermediate
Wet	Greater than 80%	Liquid	Lowest	Dewatering is required	Highest





Advantages	Disadvantages	
Handles wastes that are in a liquid or slurry condition upon arrival	<ul> <li>Cannot generally handle waste with contaminant material (e.g., plastic, metals, and rocks)</li> </ul>	
<ul> <li>Entirely contained system (high level of odour control)</li> </ul>	<ul> <li>Requires significant pretreatment and operational care to avoid exceeding capacity or upsetting biosolids digestion</li> </ul>	
	<ul> <li>Produces more effluent than the other two digester types</li> </ul>	
	<ul> <li>Requires more energy consumption than high-solid digesters</li> </ul>	

High-Solids Slurry	: Pros and Cons
Advantages	Disadvantages
Can process waste with contaminants (e.g., plastic, metals, and rocks)	<ul> <li>Slurry typically is not completely mixed, so can cause uneven digestion if not carefully managed</li> </ul>
Handles wastes that are in a liquid or slurry condition upon arrival	Produces more effluent than high-solids-stackable digestion
Produces less effluent than wet (low-solids) digestion	Less energy-efficient than high-solids-stackable digestion
More energy-efficient than wet (low-solids) systems Entirely contained system (high level of odour control)	May require water addition to make the feedstocks pumpable

## High-Solids Stackable: Pros and Cons





















