

Packaged stainless steel digester

① Short work period

(compared with a reinforced concrete digester)

- Groundwork and prefabrication at factory progress in parallel.
- Base construction machines can be ordered at once.

② Flexible Retrofit planning

- 20 years durability (only digester)
- Retrofit planning is flexible to the social change/a population diminishment

③ Reduce power for stirring

(compared with conventional screw type mixer)

Load power for **Impeller stirrer**: below $1.0\text{W}/\text{m}^3$



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④ Operation support of digester

1. Measure of sediments /Sediment removal operation

<RC digester> Sediment removal is difficult because the thickness, volume, and condition of sediment are undetectable.

<Stainless steel digester> The thickness of sediment can be measured. Sediment removal operations save space inside a digester.

2. Prevention of problem

<RC digester> Problem prevention is difficult because inside condition is undetectable.

<Stainless steel digester>

- Detect uneven temperature, so that it can equalize inside sludge
- Early detection of unusual foaming
- Operation continues when MAP generates

3. Quantitatively-analysis of durability

<RC digester> Verification of aging of inside coating is only possible after dredging

<Stainless steel digester> It can verify aging of coating and can measure wall thickness without shutdown or dredging.



The steel digester allows visualization of inside condition with sensors.