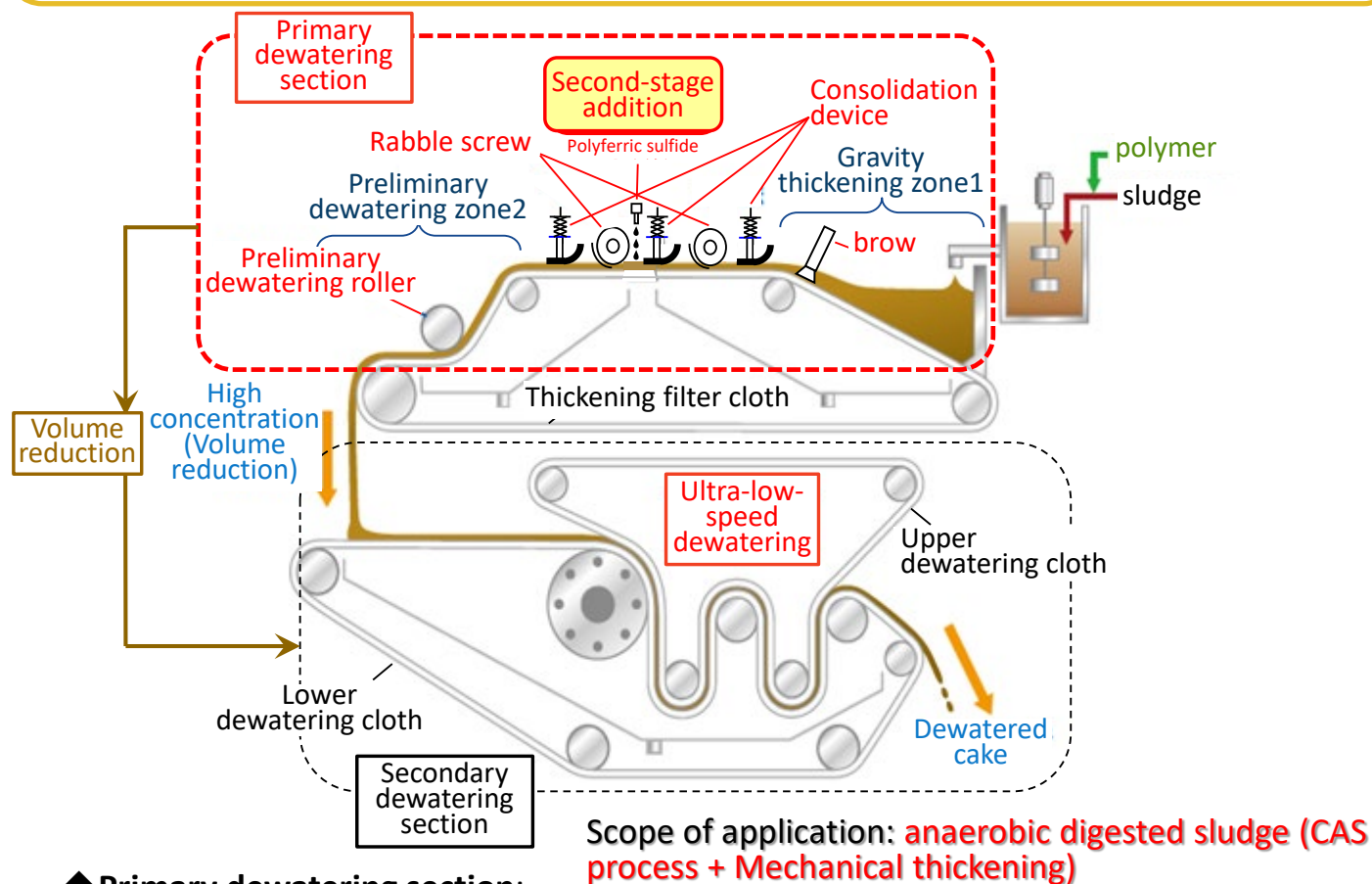


Enhanced Belt-press Dewatering Device with Two-stage Coagulant Addition

Developers: METAWATER Co., Ltd.

Newly developed functions added to primary dewatering section of the conventional high efficiency belt press dewatering device **improve dewatering performance for hard-to-dewater sludge and reduces the dose of inorganic coagulant**



◆ Primary dewatering section:

Gravity thickening → Inject/mix inorganic coagulant → Preliminary dewatering
→ **Achieve high concentration of sludge (volume reduction)**

◆ Secondary dewatering section:

Volume reduction (high concentration) super low speed (long-term) dewatering
→ **Achieve lowering water content of sludge**

Needs

- Need better dewatering performance of hard-to-dewater sludge while reducing inorganic agents dosing

Benefits

- Reduce water content rate of dewatered cake to reduce sludge generation and their disposal costs
- Reduce inorganic agents (polyferric sulfate) dosing