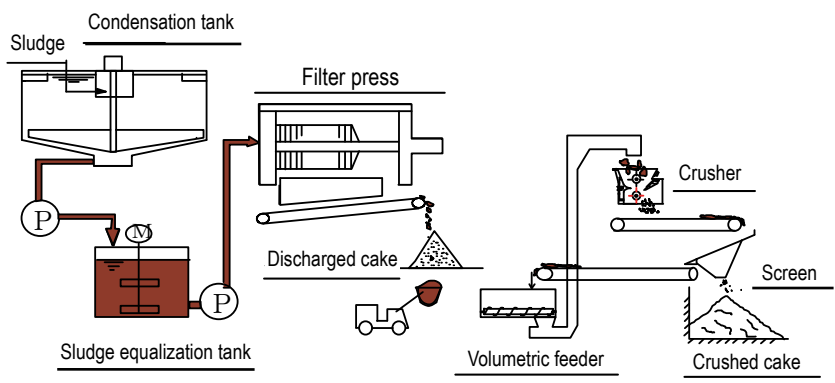


## Technical Information Sheet

<b>1. Name of technology</b>	Effective utilization of sludge from purification plants with filter presses
<b>2. Type of technology</b>	This technology uses filter presses to separate sludge from the purification process into filtrates and solids (cakes) without chemical injection. Cakes with lower water content solidify, making them easier to handle. Installing crushing equipment and drying equipment in the subsequent processes enables effective utilization of sludge from purification plants as horticultural soil and backfill soil for grounds.
<b>3. Description of technology</b>	<p><b>[Objective and application of the technology]</b></p> <p>Unlike other methods, this technology uses filter presses to treat sludge from purification plants without chemical injection and discharge cakes with lower water content, reducing waste. In addition, installing crushing and drying equipment in the subsequent processes enables effective utilization of sludge. The following is an example in which a crusher is installed in the process after the filter press process, by which discharged cakes are crushed and passed through a screen into pieces of the same size. Sludge that cannot pass through the mesh of the screen is circulated and recrushed.</p>  <p><b>[Characteristics of the technology]</b></p> <p>By using filter presses, sludge from purification plants can be squeezed at high temperature without chemical injection. This makes it possible to reduce the water content of discharged cakes and reduce the load in the subsequent processes, enabling effective utilization of sludge.</p> <p><b>[Delivery record]</b></p> <p>Waterworks bureau of Prefecture A (purification plant intake capacity: 370,000 m<sup>3</sup> per day): Waste water treatment equipment</p> <p>Waterworks bureau of City B (purification plant intake capacity: 123,650 m<sup>3</sup> per day): Waste water treatment equipment</p> <p><b>[Price and other inquiries]</b></p> <p>Please contact the office and person in charge below.</p>
<b>4. Classification of technology</b>	
(1) Applicable fields	Industrial waste treatment, Recycling
(2) Target waste	Paper/cardboard, Food waste/raw garbage, Cell and lead batteries, Waste oil, Other (dredged sludge and activated sludge)
(3) Services provided	Sales of machinery and equipment
<b>5. Countries to which this technology can be provided</b>	Countries that have purification plants
<b>6. Keywords</b>	Filter press, sludge from purification plants, cake, effective utilization, solid-liquid separation
<b>7. Contact information</b>	<p>KURITA MACHINERY MFG. CO., LTD.</p> <p>TEL: 06-6582-3001</p> <p>URL: <a href="http://www.kurifil.co.jp/">http://www.kurifil.co.jp/</a></p>

Objective, application, characteristics, and delivery record of technology