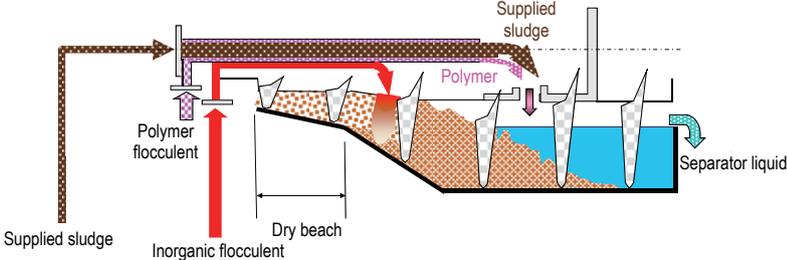


Technical Information Sheet

1. Name of technology	Ultra low water content centrifugal dehydrator (SDR Impact)
2. Type of technology	This technology is a dehydration technology that uses centrifugal dehydrators that inject polymer coagulant and inorganic flocculant into night soil from night soil treatment facilities, sludge from purification tanks, and sewage sludge from sewage treatment facilities.
3. Description of technology Objective, application, characteristics, delivery record, and price of technology	<p>[Objective and application of the technology] This technology was developed with the aim of achieving low water content in night soil, sludge from JOKASO, and sewage sludge. This technology has achieved water content that is lower than conventional high-efficiency centrifugal dehydrators by 10% or more. If there is sludge in the incineration or any other process after the dehydrator, the low water content contributes to a significant reduction of fossil fuel consumption.</p> <p>[Characteristics of the technology] Nishihara's SDR Impact has an improved, innovative dehydrator structure and chemical injection system. Conventional centrifugal dehydrators inject inorganic coagulant into the feed sludge line, but SDR Impact directly injects inorganic flocculant at the point where sludge is dehydrated to some extent, which enables significant reduction of the water content of the dehydrated sludge.</p> <div style="text-align: center;">  </div> <p>[Installation record] 16 units have been installed since 2009.</p> <p>[Price and other inquiries] Please contact the office and person in charge below.</p>
4. Classification of technology	
(1) Applicable fields	Other environment protection technology (night soil treatment, JOKASO sludge treatment, and sewage sludge treatment)
(2) Target waste	Other (night soil, JOKASO sludge, and sewage sludge)
(3) Services provided	Sales of machinery and equipment (machinery, control equipment, etc.)
5. Countries to which this technology can be provided	Asia
6. Keywords	Ultra low water content sludge dehydrator, centrifugal dehydrator, sewage sludge dehydrator
7. Contact information	Nishihara Environment Co., Ltd. Minori Nakase, Overseas Business Division http://www.nishihara.co.jp/