



Wizard Press II

More than a decanter: Straight-bowl sludge dewatering centrifuge that combines the centrifugal and squeezing forces.

Hiroshima Metal & Machinery
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Solid experiences and continuous development since 1935. HMM is located in the traditional shipbuilding city of Kure, Hiroshima.

Sludge disposal cost can be up to 50% or sometimes 80% of the running cost of a wastewater treatment plant; hence, the simplest way to reduce the running cost is to dewater the wastewater sludge to its maximum level. With Wizard Press II, it is possible to achieve the cake water content of less than 75% with the SS capture rate greater than 99% while the electric consumption is less than 1kWh for 1m³ of slurry treated.

Wizard Press II is specifically engineered to dewater organic sludge. Its high dewatering capacity is the result of careful observations and thorough understanding of the inevitable drawbacks of conventional decanter type centrifuges.

Straight-bowl creates a greater internal volume to allow longer solids retention time. Trumpet-shaped screw exerts a strong compaction force onto the cake. Dewatered cake exit is specifically designed to prevent from clogging. More than 250 units are installed in Japan where well-dewatered sludge is a real value.



Dewatered cake from WP II



Dewatered cake from a decanter

