

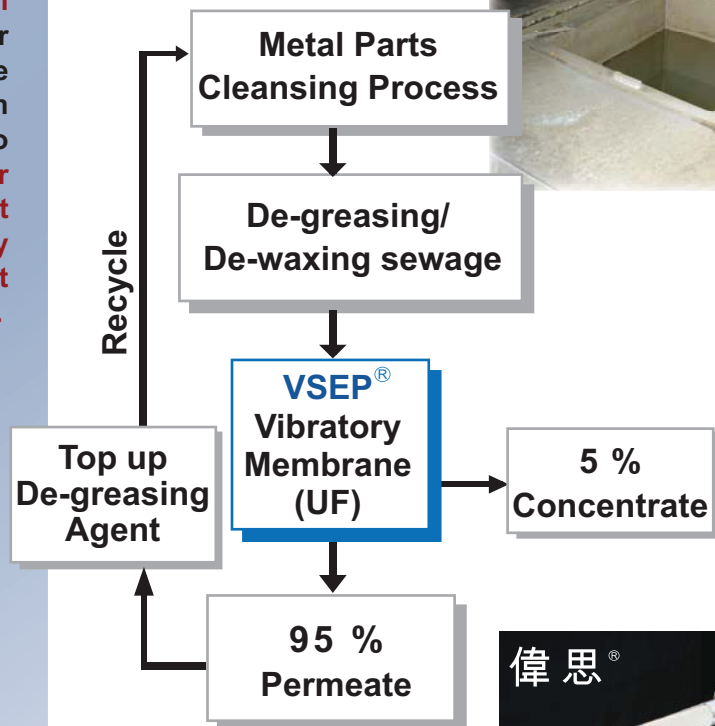
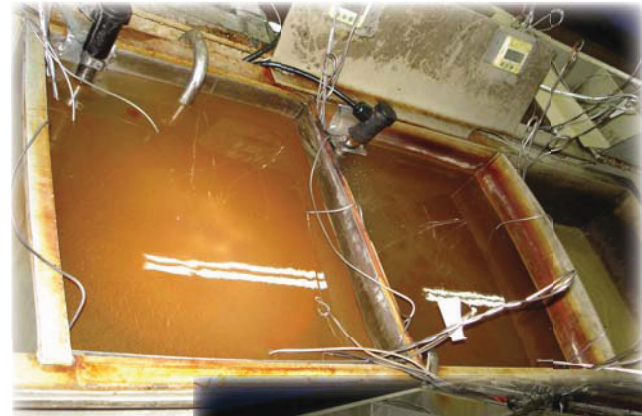
Case Study



Metal Parts Wash Water Recycling

Electroplating or metal part surface finishing are highly polluted processes. They are facing tremendous pressure to reduce pollution and water consumption. Metal parts are stained with oil and grease or polishing wax during fabrication or shining. Oil and grease must be well cleaned before electroplating or painting processes. The COD level of this sewage is very high, no recycle value and difficult to treat. Chemical flocculation, aeration, or biological methods could not achieve discharge standard.

Dunwell vibratory membrane, **VSEP**, applied ultra-high vibratory frequency on membrane to prevent fouling. Large oil or wax molecules are separated and permeate could be recycled back to the wash process. Sewage need not discharge to sewage treatment plant. **Not only water consumption is reduced, detergent consumption is reduced, but also greatly reduces the loading of sewage treatment plant. Discharge quality can be guaranteed.**



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