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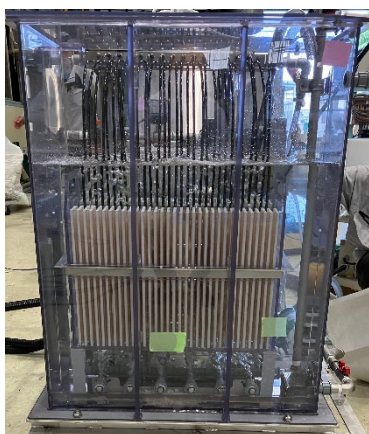
TOYOBO MC develops innovative Wastewater Treatment System for water-wash flexo plate processing

TOYOBO MC Corporation (hereinafter, “TOYOBO MC”) has developed a new “Wastewater Treatment System” that enables the reuse of developing wastewater discharged during the water-wash process in flexo plate processing. This system utilizes TOYOBO MC’s microfiltration (MF) membrane “FILPLATE™” to separate photopolymer components from the wastewater, and by reusing the treated water for plate development, it can reduce the amount of wastewater by up to 75%. We plan to launch an integrated unit combining this system with a water-wash plate processor within fiscal year 2026.

Since introducing “Printight™”, the world’s first water-wash letterpress plate in 1977, TOYOBO MC has led the way in environmentally friendly plate-making processes. Another flagship product, “Cosmolight™”, a water-wash flexo plate, combines water-washability with water-based ink resistance—two properties traditionally considered incompatible—and is highly regarded in overseas markets where flexo printing is widely adopted.

The MF membrane “FILPLATE™” incorporated in this system has already been used in industrial wastewater and sewage treatment. Its hydrophilic surface ensures stable permeability, while aeration-induced upward flow and bubbles effectively remove photopolymer layers from the membrane surface, preventing clogging and maintaining performance.

Through products such as “Printight™” and “Cosmolight™”, TOYOBO MC has promoted plate-making processes that eliminate the use of organic solvents. With the development of this new wastewater treatment system, the company will further contribute to reducing environmental impact in plate-making operations.



“Wastewater Treatment System”



“Cosmolight™”

The information presented in this news release is accurate as of the date of its announcement. Please be advised that the content may be subject to change without prior notice following the release date.

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