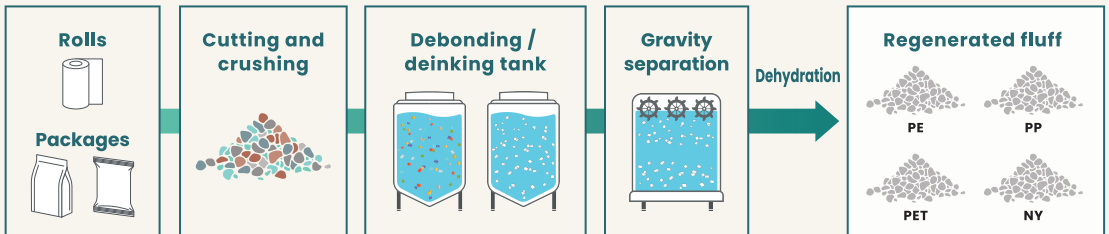
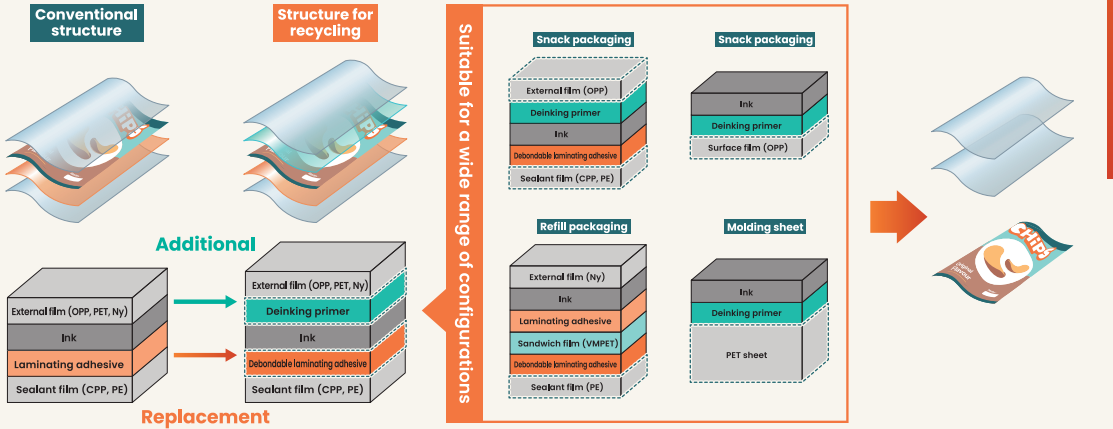


Easy removal of printed inks for better quality recycling of films

Debonding and deinking system for recycling



01

Proposal and solution for drinkable structures

Performance maintenance/ deinking

Basic design with urethane resin (good adhesion), deinking is possible by introducing alkaline decomposition!

■ Patent No. 7036098 ■ Patent No. 6631964
 ■ Patent No. 7209159 ■ Patent No. 7156176

Covering a wide range of configurations

A group of products suitable for a wide range of configurations, from laminated structures to single-layer and mono-material configurations!

■ Patent No. 7354827 ■ Patent No. 7354828
 ■ Patent No. 6994636 ■ Patent No. 7404578

Sorting method proposal

Proposal of a solution considering PCR (post consumer waste), which is a mid- to long-term goal

■ Patent No. 7382364

02

High reproducibility based on scale evaluation

Special equipment and treatment solution

Equipment and treatment cleaning solution that can also be used for scale-up greatly improves re-adhesion!

■ Patent No. 7014284 ■ Patent No. 7263661

Optimal deinking conditions

By controlling the size of the pod debris that peels off after deinking, it is possible to reduce discoloration of recycled materials!

■ Patent No. 7401019 ■ Patent No. 7318790
 ■ Patent No. 7234487

Recycled material

After the deinking process, the separated plastic is converted into pellets!

■ Patent No. 7389127