



Extrusion Machines and Services **for Advancing your Materials**

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RingExtruder RE
rPET Solutions



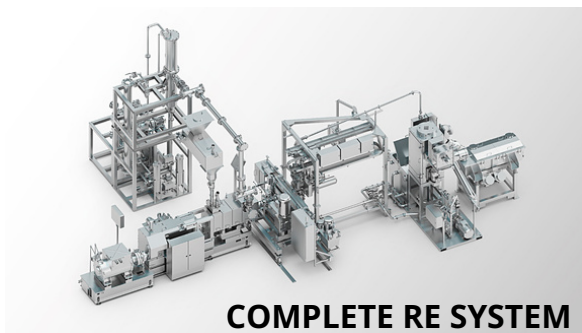
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RingExtruder

For the recycling of PET (rPET), the RingExtruder 12-screw design is ideal for temperature control, as well as minimizing degradation and color shift. With more melt pools, a better melt volume surface ratio and higher elongational flow rate than competing extrusion technologies, the RE stands out in the production of shear-sensitive compounds, challenging mixing and degassing applications.



RINGEXTRUDER RE



COMPLETE RE SYSTEM

Benefits

- High output with a small footprint
- Smaller diameter screws results in lower melt flow velocity, meaning lower stress on polymer
- Increased elongational flow improves melt homogenization
- Small melt pools improve thermal transfer for melt cooling
- Higher melt-surface rate for better degassing
- Pre-drying no longer necessary
- Low energy consumption: 0.14 kW/kg for complete extrusion line including filtration and pelletizing
- Throughput rates up to 4.200 kg/h bottle-to-bottle; 6.000 kg/h flakes to virgin polymer

Let Us Test it **For You**

Our innovation labs are equipped to assist in developing and optimizing your processes.



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