

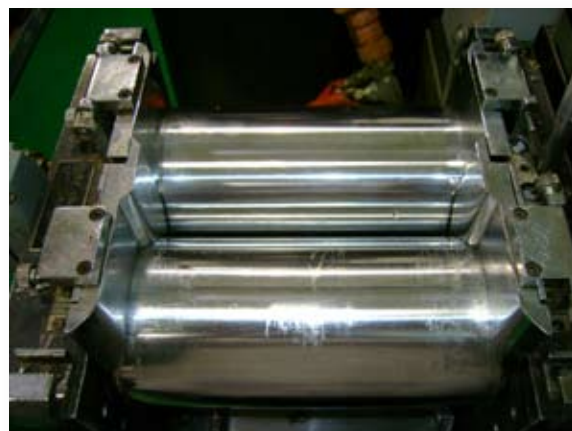
COMPOUNDING SERVICES

PTI has single-screw and twin-screw compounding capabilities with the ability to create tailored material blends with small quantities.

Whether you need an additive blended into a material at the feed throat of an injection press or require intensive material blending prior to molding, we have the capabilities to meet your requirements.

2 ROLL MILL

- Creates blends of material with less than 1 pound of resin
- Provides adequate blending with low shear input
- Product can be cryogenically ground and blended with virgin resin for further compounding or injection molding



SINGLE-SCREW COMPOUNDING

Batches as small as 3-5 pounds can be compounded using a continuous extruder single-screw extruder. Create blends with minimal PET IV loss that is comparable to the loss observed during injection molding.

- 35mm screw diameter
- Single strand extrusion
 - Strand is water cooled and pelletized for use
- Vented barrel available
- Throughput up to 30 pounds per hour

TWIN SCREW COMPOUNDING

A Werner & Pfleiderer twin screw extruder is used to compound materials in small quantities for evaluation. The intermeshing co-rotating screws provides ample melt mixing of most additives for comprehensive evaluation in PTI's Process and Analytical Laboratories.

- 30mm screw diameter with 18:1 L/D ratio
- Single strand extrusion
 - Strand is water cooled and pelletized for use
- Throughput up to 25 pounds per hour
- Max screw speed - 300rpm
- Provides high shear/high energy input, if required



For more information about Compounding Services contact Jason Haslow.

We Package Solutions®