



Pilot Melt-Extruded Polymer Extrusion Line

TCI's MELT-EXTRUDED POLYMER FILM LINE FOR PROCESS & PRODUCT DEVELOPMENT

ACCELERATE YOUR PRODUCT DEVELOPMENT WITH TCI'S GAME-CHANGING PILOT-LINE.

With TCI's Pilot-Line, you can quickly validate new formulations and applications without the high costs and long lead times of large-scale production. Unlock the speed and agility you need to stay ahead of the competition and bring innovative polymer films to life.

- Rapid testing and prototyping for new melt-extruded polymer films (**ETFE, FEP, PFA, ECTFE, PPSU, PEKK, PEEK, PMP, and many more**).
- The internal R&D team and engineers provide full support to help develop new processes.
- Convenient, cost-effective small-scale testing to get products to market faster.
- Develop advanced new materials with greater speed and flexibility, requiring as little as 10 lbs to run.



TCI'S CUSTOM SOLUTION CAPABILITIES:

- Pilot Film Extrusion
 - New Polymers/Resins/Compounds trials.
 - Process conditions development.
 - New colors and formulations.
- 1.25" single screw extruder, up to 842°F (450°C) processing temperature, fully corrosion-resistant and fluoropolymer-capable. Output 5-30 lbs./hour.
- 18" - wide die with auto-gauge function for thickness control, fully corrosion-resistant and fluoropolymer-capable.
- X-Ray thickness scanner.
- Casting unit with chrome-plated polished cooling roll, oil-heated up to 446°F (230°C).
- Thickness capabilities 12-500 um (0.5 - 20 mil).
- Edge trimming.
- Winder with tension control.

