

EXTEND

Your Development Capabilities

LCI's Development Center is the most comprehensive thin-film development facility in the industry. It is expertly staffed and equipped for process development work using LCI agitated thin-film processing technology (evaporation, reaction, devolatilization, etc.).

If you think your process can benefit from the low residence time and high heat/mass transfer rates agitated thin-film processing offers, give us a call. We may be able to help you accelerate your product through development and into production at a lower cost, as we have done for others.



LCI Development Center Capabilities

- Thin-film processors ranging in size from 1.4 to 5.4 ft² of surface area.
- Various rotor designs that allow for processing materials from 1 cp up to 15,000,000 cp.
- Steam heating system providing 200 psig steam.
- Hot oil systems provide heating temperatures up to 750°F.
- Vacuum systems provide operating pressures down to <1 mm Hg absolute.
- Reactor vessels/tanks from 60 to 300 gallons.
- Underwater pelletizer for polymers.
- Melt extruder for melting pellets for feed material.
- Lab space for setting up special analytical procedures.
- Flexibility to add special equipment and set up tailored systems.
- Flexibility to process market development quantities of product.
- Explosion-proof electricals (Class 1, Group C, Division I).
- In-depth experience with flammable and other hazardous materials.



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