

# 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 ft<sup>2</sup> 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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