

Benefit from a small scale extruder

Minimize time and materials usage

Maximize your research efficiency and ROI

Optimize your time and money spent developing formulations for polymer and food products with the **Thermo Scientific™ Process 11 Parallel Twin-Screw Extruder**.



Save time

Finding the right material properties requires testing with multiple parameter sets. The Process 11 is a very compact instrument and thus reacts much faster to a change of process parameters (e.g., increase barrel temperature +20 °C). Reaching steady state faster saves time running each experiment.

Model	Typical time required to reach steady state
Process 11 extruder	
16 mm extruder	50% longer per experiment
24 mm extruder	More than 100% longer per experiment

Easy scale up

With the Thermo Scientific extruder, easy upscaling from Process 11, 16 to 24 mm is ensured by design.

Save space

Laboratory space is a precious and often expensive commodity. The Process 11 extruder requires 67% less space than a typical 24 mm extruder.



Save material

The Process 11 extruder uses 67% less material than a comparable 16 mm extruder and 90% less than a 24 mm extruder.

Model	Material volume per unit of time
Process 11 extruder	
16 mm extruder	
24 mm extruder	

Save material—save time—save space—save money!

Requiring only a small amount of material to conduct experiments, this parallel co-rotating extruder allows you to conduct numerous trials efficiently and cost effectively.

Learn more and request a quote at:
www.thermofisher.com/process11