

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.



Easy scale up

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

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 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

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—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/extruders