

Efficient Specimen Preparation

The Thermo Scientific HAAKE MiniLab micro-compounder is the ideal tool to prepare materials for the mini-injection molder, Thermo Scientific HAAKE MiniJet.

To compound various types of material the HAAKE MiniLab can be set up as a conical co- or counter rotating twin-screw extruder. Only 5 g of 7 cm³ of expensive or small-scale material, such as nano-composites, bio polymers and pharmaceuticals, is needed for compounding.

Due to an integrated backflow channel and a bypass valve the residence time can be adjusted.

Combined with the HAAKE MiniJet,

the HAAKE MiniLab offers a complementary solution to product development investigations.

The HAAKE MiniJet system allows you to optimize your development process and realize cost reduction opportunities:

- the production of test specimens from as little as 5 g of material
- test specimens can be produced from various materials: powders, pellets or melts
- specimen geometries offered from standard to unique, customized molds
- a control and design concept that provides simplistic handling with consistent, reproducible results

Nano Compounding Bundle for the HAAKE MiniLab

The new sample preparation bundle for the HAAKE MiniLab (557-2187) consists of:

- 557-2190 HAAKE MiniLab with co-rotating screws
- 557-2286 HAAKE MiniJet
- 557-2196 HAAKE MiniJet adapter

Note: A mold is not included!

Additional options:

- 557-2290 Mold tensile bar
- 557-2291 Mold disc 20 mm
- 557-2292 Mold disc 25 mm
- 557-2293 Mold disc 35 mm
- 557-2295 Mold DMA bar LxWxH 60x10x1 mm
- 557-2298 Mould tensile bar ISO 527-2-5A
- 557-2299 Mould tensile bar ASTM 0638 type V

Other shapes on request!

HAAKE MiniLab and HAAKE MiniJet – workflow solution for polymer researcher

Developing new products and bringing them to market quickly presents a distinct competitive advantage. Quick, simplistic and early assessment of a material's mechanical and rheological properties provides essential information to accelerate product development.



Fig. 1: HAAKE MiniJet



Fig. 2: HAAKE MiniLab



Fig. 3: Molds for the HAAKE MiniJet