



# Model 160

## Specimen Grinder

Produce uniform thickness specimens  
with parallel sides



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**Model 160 Specimen Grinder** mechanically prethins a specimen for preparation for transmission electron microscopy.

- *Accurate and dependable.*
- *Precisely controlled.*
- *Specimens up to 18mm diameter.*
- *Excellent stability.*
- *No additional force needed.*
- *Platen transferable to Dimpling Grinder.*

Fischione's Model 160 Specimen Grinder is an accurate and dependable tool for mechanically pre-thinning specimens for preparation for transmission electron microscopy (TEM). It accommodates specimens up to 18mm in diameter.

A graduated scale allows the specimen thickness to be easily and precisely controlled. Rotating the control knob advances the specimen 0.5mm per rotation.

The large diameter provides excellent stability. Specimens with uniform thickness and parallel sides are consistently produced because of the precise fit of the specimen platen into the Grinder body.

The Grinder is heavy enough to provide sufficient grinding force on the specimen.

### Specimen grinding

For transmission electron microscopy (TEM), the quality of the initial disk determines the quality of the final specimen. The disk can be mechanically ground using the Fischione Model 160 Specimen Grinder to a precisely controlled thickness. Use the Fischione Model 200 Dimpling Grinder for final thinning.

### One-step mounting

If further thinning via dimpling is required, the platen containing the specimen is simply ejected from the Model 160 and installed directly into the Model 200 Dimpling Grinder. This eliminates any possibility of damaging the specimen by demounting.

### Model 160 specifications

Specimen size	Up to 18mm diameter
Dimensions	3" (76mm) Diameter x 2.6" (66mm) H
Weight	2.4 lb (1.1 kg)
Warranty	One year



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**Cover image:** Optical image of an XTEM specimen consisting of 19 individual sections of a microelectronic material. Produced by ultrasonic disk cutting and mechanical grinding.