

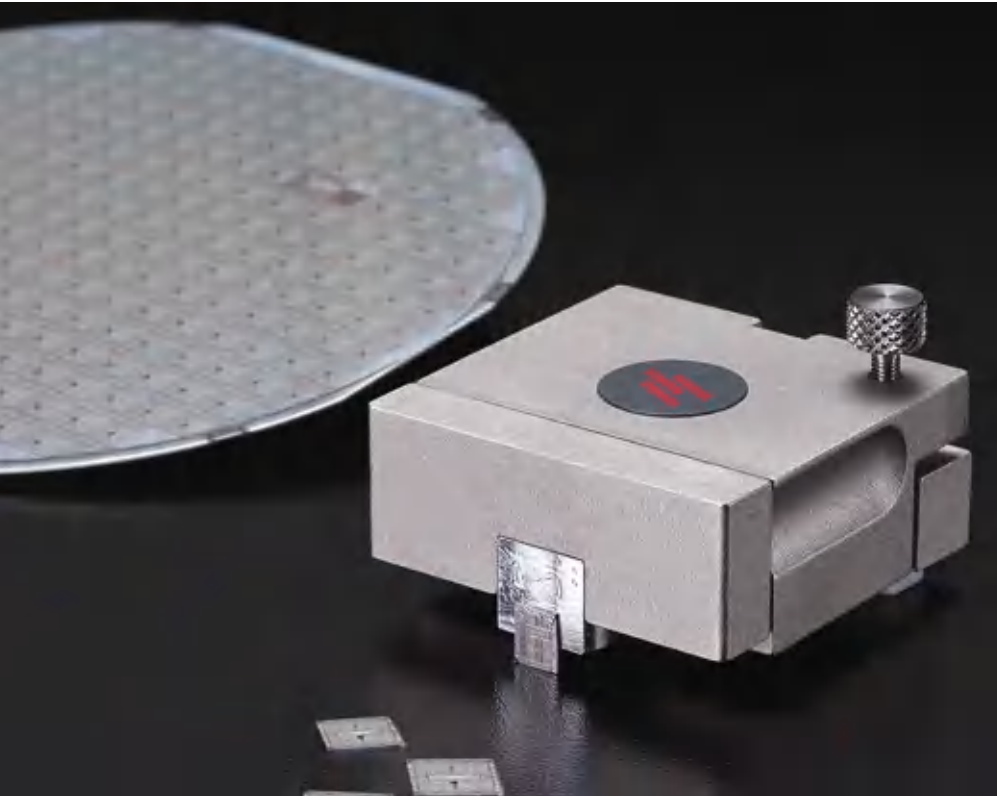
# TriPod Polishing Fixture



**Specimen holder for  
non-encapsulated  
precision polishing**

**Two models:**

- **Cross-sectioning**
- **Parallel polishing**



*TriPod for parallel polishing*



## Manual polishing made easy

- Fast and accurate
- Mass of fixture body ensures appropriate force
- Single screw for angle adjustment
- Non-slip, sculpted surface for comfortable handling
- Spring-loaded beam eliminates the need for tools
- Aluminium and stainless steel sample mounts.

The Struers TriPod is for fast and accurate polishing of small, unencapsulated samples such as electronic devices.

The solid, corrosion-free body provides stable and balanced support of the sample, and by its sheer weight applies appropriate force on the sample.

The Struers TriPod has only one simple adjustment screw for levelling of the sample.

The sample mount is placed in the polishing fixture without any use of tools. A spring-loaded beam holds the sample mount into place, and permits easy removal for sample inspection and exact repositioning throughout the polishing procedure.

Struers' TriPod comes in two models, one for cross-sectioning and one for parallel polishing. Both aluminium and stainless steel sample mounts are available, and fit directly into a wide range of scanning electron microscopes.

### Application

Non-encapsulated polishing offers some distinct advantages over the classical, encapsulated method:

- Faster and cleaner preparation
- Unimpeded viewing in scanning electron microscopes (SEM).

The most typical application is inspection of integrated circuits (ICs). The passivation layer of the IC provides sufficient encapsulation of metallization

layers to prevent smearing. Rounding of the front edge is avoided by using a hard and flat grinding/polishing surface.

Using the preparation method supplied with the TriPod, excellent results can be produced, which can be imaged on either standard or field emission SEMs.

The TriPod Polishing Fixture is supplied in a handy plastic case, ideal for storage of the fixture.

## Technical Data

### TriPod Polishing Fixture-X / -P

Positioning range: 1.5 degrees  
Dimensions (H x W x D): 19 x 44 x 44 mm  
Weight: 270 g (X), 297 g (P)

## Specification

### TriPod Polishing Fixture-X

Specimen holder for cross-sectioning of non-encapsulated samples.  
With 10 pc. 12.5 mm aluminium cross-section sample mounts (04386924).

Cat. no  
04386202

### TriPod Polishing Fixture-P

Specimen holder for parallel polishing of non-encapsulated samples.  
With 10 pc. 12.5 mm aluminium parallel sample mounts (04386922).

04386201

## TriPod Polishing Fixture Accessories and Consumables

### Cross-Section Sample Mounts

12.5 mm sample mount for cross-section fixture (04386202). 10 pc  
Aluminium  
Stainless Steel

04386924  
04386923

### Parallel Sample Mounts

12.5 mm sample mount for parallel polishing fixture (04386201). 10 pc.  
Aluminium  
Stainless Steel

04386922  
04386921

### TriPod Supports

For support of TriPod Polishing Fixture. 2 pc.

04386925

### TriPod Glass Disc

Glass disc for support of Diamond and Aluminium oxide films.  
200 mm dia.  
Supporting polishing disc (03756902) is ordered separately.

04386926

### TriPod Suspension 0.1 µm

Polycrystalline Diamond Suspension for polishing with TriPod  
Polishing Fixture. 250 ml.

40600299

### TriPod Wax

Thermoplastic (hotmelt) resin for mounting of specimens on  
TriPod Sample Mounts, 1 stick. 90 g

41000005

### Aluminium Oxide Film

For polishing with TriPod Polishing Fixture.  
Plain back.  
200 mm dia. 50 pc.

1 µm	40400169
0.3 µm	40400170
0.1 µm	40400171
0.05 µm	40400172

### Diamond Film

For polishing with TriPod Polishing Fixture.  
Plain back.  
200 mm dia. 5 pc.

30 µm	40400173
15 µm	40400174
9 µm	40400175
6 µm	40400176
3 µm	40400177
1 µm	40400178
0.5 µm	40400179
0.1 µm	40400180

### MD-Gekko

Adapter for use with SiC Foil or self adhesive consumables on the MD-System,  
for easy removal. For magnetic fixation on MD-Disc. 200 mm dia. 2 pcs.

49900047

### Gekko PSA

Self adhesive Gekko Foil for use with SiC Foil or self adhesive consumables.  
To be glued on an aluminium disc. 200 mm dia. 2 pcs.

49900053

*Struers' products are subject to constant product development. Therefore, we reserve the right to introduce changes in our products without notice.*



Diamond Film