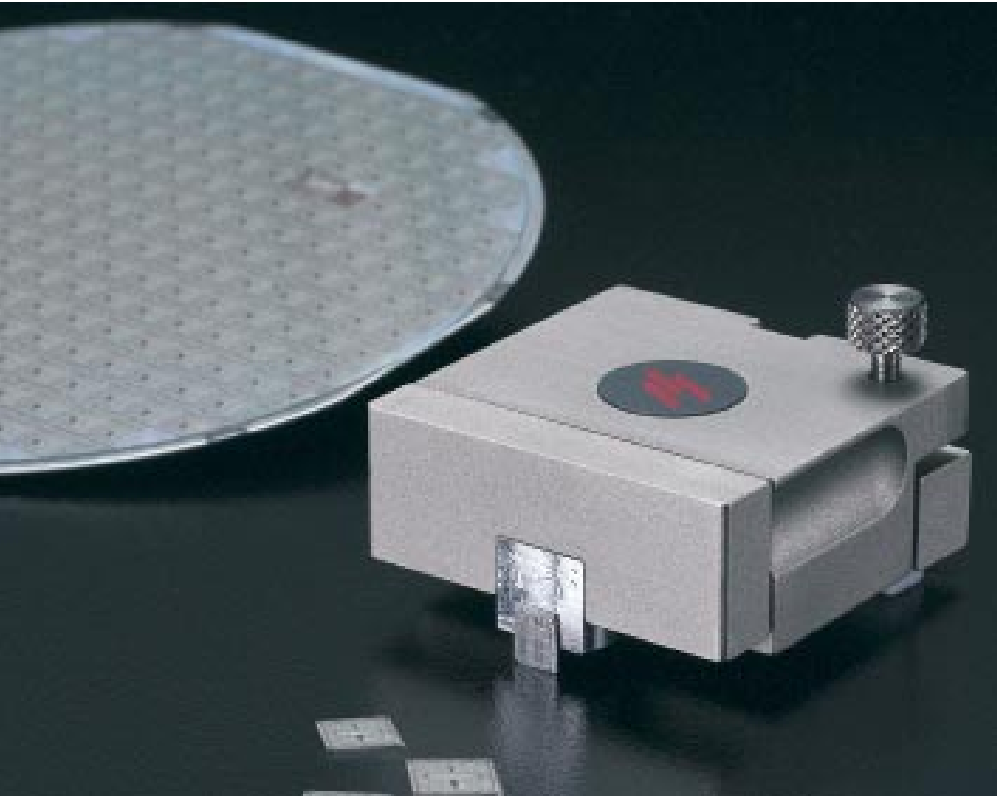


Tripod Polishing Fixture



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 leveling 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 pre-

vent 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

Code

Cat. no

TRIXS

04386202

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

TriPod Polishing Fixture-P

TRIPL

04386201

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

TriPod Polishing Fixture Accessories and Consumables

Cross-Section Sample Mounts

12.5 mm sample mount for cross-section fixture (TRIXS). 10 pc

Aluminium

Stainless Steel

Code

Cat. no

TRIXA

04386924

TRIXO

04386923

Parallel Sample Mounts

12.5 mm sample mount for parallel polishing fixture (TRIPL). 10 pc.

Aluminium

Stainless Steel

TRIPE

04386922

TRIPO

04386921

TriPod Supports

For support of TriPod Polishing Fixture. 2 pc.

TRISU

04386925

TriPod Glass Disc

Glass disc for support of Diamond and Aluminium oxide films.

200 mm dia.

Supporting polishing disc (PAMLA or DEPKI) is ordered separately.

TRIDI

04386926

TriPod Suspension 0.1 µm

Polycrystalline Diamond Suspension for polishing with TriPod

Polishing Fixture. 250 ml.

TRINE

40600299

TriPod Wax

Thermoplastic (hotmelt) resin for mounting of specimens on

TriPod Sample Mounts, 1 stick. 90 g

TRIWA

41000005

Aluminium Oxide Film

For polishing with TriPod Polishing Fixture.

Plain back.

200 mm dia. 50 pc.

1 µm

0.3 µm

0.1 µm

0.05 µm

TRAON

40400169

TRARE

40400170

TRAEN

40400171

TRAWA

40400172

Diamond Film

For polishing with TriPod Polishing Fixture.

Plain back.

200 mm dia. 5 pc.

30 µm

15 µm

9 µm

6 µm

3 µm

1 µm

0,5 µm

0,1 µm

TRITY

40400173

TRIFI

40400174

TRINI

40400175

TRISX

40400176

TRITE

40400177

TRINO

40400178

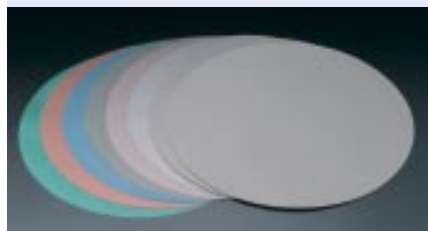
TRIHA

40400179

TRIEN

40400180

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



Diamond Film



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