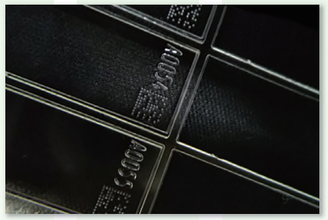
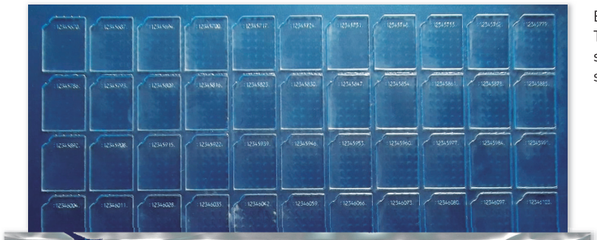
Solid-state Track Detector



TechnoTrak2

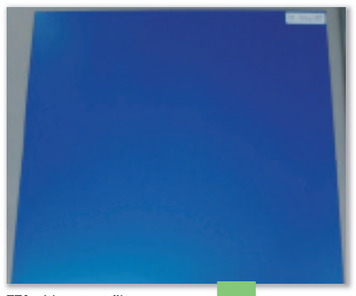
The TechnoTrak series are made from poly allyl diglycol carbonate (PADC).
Our dosimetry service by using TechnoTrak1 (TT1) with pre-soaking*1)
technique complies with ISO21909-1 requirements.
TechnoTrak2 (TT2) provides the same performance with TT1,
but without the need of pre-soaking.
Furthermore, TT2's performance is the best without pre-soaking process.*2)

*1) Ohguchi, H., Oda, K., Yamauchi, T., Nakamura, T. and Maki, D. New pre-soaking technique for PADC and application to wide-range personal neutron dosimeter. Radiat. Meas. 43, S500–S503 (2008).
*2) Assenmacher, F., Boschung, M., Hohmann, E. and Mayer, S. Comparison of different PADC materials and etching conditions for fast neutron dosimetry. Radiat. Prot. Dosim. 170(1–4), 162–167 (2016).

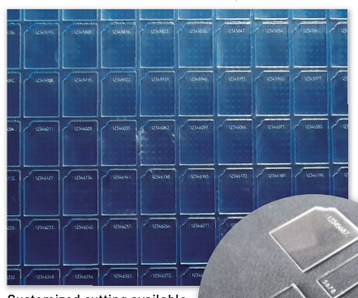


Easy preparation.
TT2 has high surface quality and
stays constant, so that pretreatment
such as pre-etching is not required.

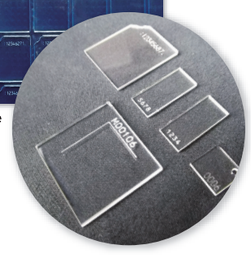
TT2 is delivered with original aluminium bag
in order to maintain quality.



TT2 with protect filter



Customized cutting available



Unique ID codes can be printed upon your request.

Example of 2D ID code

Example of binary ID code

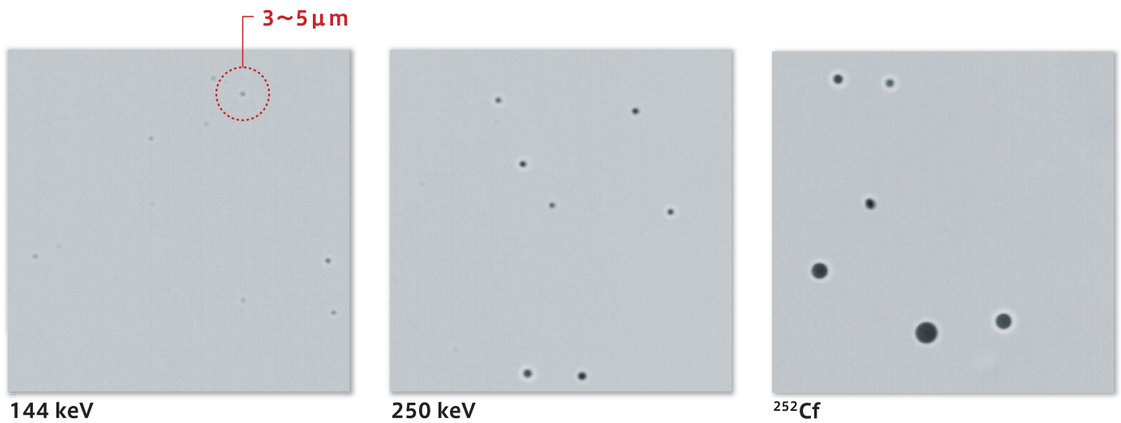
In our radiation monitoring center

Our dosemeter "Glass Badge" is composed with polyethylene radiator and boron nitride converter.
Our dosimetry service with unique processing and measurement methods meets with ISO21909-1 requirements.

TechnoTrak1 in our
RPL dosemeter
(Glass Badge)

The performance of TechnoTrak2, Solid State Nuclear Trak Detector

TT2 is developed to be used as a Solid-State Track Detector.
This device detects an accumulated neutron dose. The TT2 provides highly sensitive detections of neutron with low back ground noise.



144 keV　250 keV　^{252}Cf

Etching condition: 30 wt% KOH, 90°C, 2.5h

Specifications

TechnoTrak2	Sheet size	280 x 280 mm / sheet
	Thickness	0.8 mm, 1.25 mm
	Detector size	Customize cutting available
	ID engraving	digital numbers and various type of ID code is available

(2019.09)