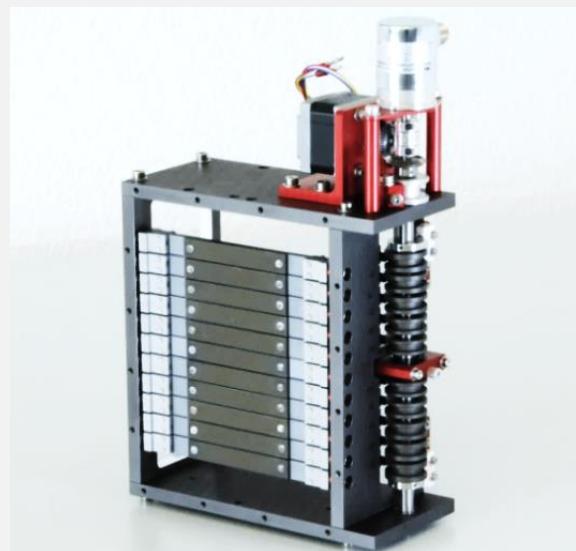


# FOCUSING MONOCHROMATORS

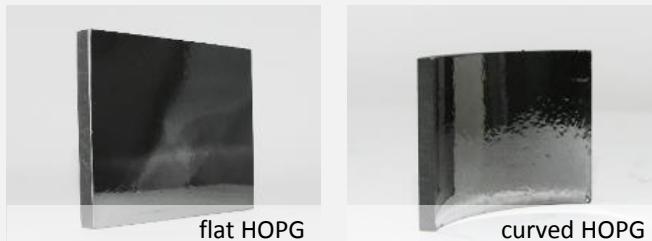
## Features

- designs: 1d & 2d focusing arrays
- curvature:  $0.5 \text{ m} \leq R \leq \infty$
- crystal size:  $\geq 10 \times 20 \text{ mm}^2 / 14 \times 14 \text{ mm}^2$
- repeatability:  $< 0.02^\circ$
- add-ons: stepper motors, encoders  
home/limit switches  
goniometers
- special features: shielding elements  
integrated magnetic guide field  
integrated magnetic yoke for Heusler  
compact translation tables



1d focusing monochromator – TriCS @ PSI

## GRAPHITE by **Panasonic\***

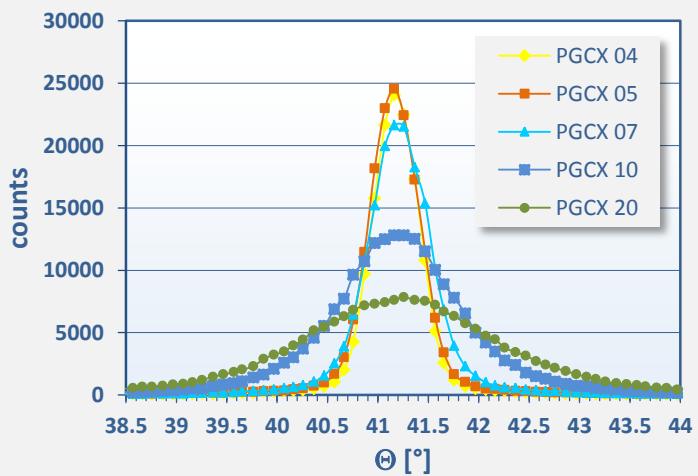


flat HOPG

curved HOPG

grade	mosaic spread	standard size
		$\Theta [^\circ]$
PGCX 04	$0.40 \leq \Theta < 0.50$	$12 \times 12 \times 1 \rightarrow 50 \times 50 \times 6$
PGCX 05	$0.50 \leq \Theta < 0.60$	$12 \times 12 \times 1 \rightarrow 50 \times 50 \times 6$
PGCX 07	$0.60 \leq \Theta < 1.00$	$12 \times 12 \times 1 \rightarrow 70 \times 50 \times 10$
PGCX 10	$1.00 \leq \Theta < 2.00$	$12 \times 12 \times 1 \rightarrow 50 \times 140 \times 10$
PGCX 20	$2.00 \leq \Theta < 3.00$	$12 \times 12 \times 1 \rightarrow 50 \times 140 \times 10$

### Neutron rocking curve of (004) @ $\lambda = 1.18 \text{ \AA}$



\* SwissNeutronics is official distribution partner for Europe

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**SwissNeutronics**



2d focusing monochromator – KOMPASS @ FRM-II



3-faces mono stage with 1d focusing arrays – IN3 @ ILL