

Product  
Launch serial number  
M unit serial number  
S unit serial number  
Test date

XK10 system  
4PV151  
4PV153  
4PV152  
16 May 2024

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# Calibration certificate

Straightness performance	
Accuracy*	$\pm 0.01A \pm 1 \mu\text{m}$
Resolution	0.1 $\mu\text{m}$

Squareness performance	
Accuracy**	$\pm 0.01A/M \pm 2/M \pm 10 \mu\text{m/m}$
Accuracy***	$\pm 0.01A/M \pm 2/M \pm 4 \mu\text{m/m}$
Resolution	0.1 $\mu\text{m}$

Flatness performance	
Accuracy****	$\pm 0.01A \pm 1 \pm (1+1.1M) \mu\text{m}$
Resolution	0.1 $\mu\text{m}$

\* Provided measurement is within  $\pm 500 \mu\text{m}$  of PSD centre

\*\* Without squareness calibration factor

\*\*\* With squareness calibration factor


\*\*\*\* Within a  $90^\circ$  sector of launch unit rotation

M = Axis measurement distance (m)

A = Maximum absolute PSD deviation during measurement ( $\mu\text{m}$ )

Accuracy values are reported to a statistical confidence of 95% ( $k=2$ ).

We certify that this instrument has been tested and complies with our published standards and specifications.

Authorised signature	Signatory	Position	Issue date
	Dave Wall	Director and General Manager	10 June 2024

***This certificate may not be reproduced other than in full, except with the prior written approval of:***

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