



**EA MLA Signatory**  
**Český institut pro akreditaci, o.p.s.**  
(Czech Accreditation Institute)  
**Hájkova 2747/22, Žižkov, 130 00 Praha 3**

issues

according to section 16 of Act No. 22/1997 Coll., on technical requirements for products and on changes and amendments to some Acts, as amended

# CERTIFICATE OF ACCREDITATION

No. 619/2025

**Hexagon Manufacturing Intelligence Czech Republic s.r.o.**  
**with registered office Boudníková 2538/13, Libeň, 180 00 Praha 8**  
**Company Registration No. 27897958**

for the Calibration Laboratory No. 2397  
Calibration Laboratory

Scope of accreditation:

Calibration in the field of length to the extent as specified in the appendix to this Certificate.

This Certificate of Accreditation is a proof of accreditation issued on the basis of assessment of fulfillment of the accreditation criteria in accordance with

ČSN EN ISO/IEC 17025:2018

In its activities performed within the scope and for the period of validity of this Certificate, the abovementioned Accredited Body is entitled to refer to this Certificate, provided that the accreditation is not suspended and the Accredited Body meets the specified accreditation requirements in accordance with the relevant regulations applicable to the activity of an accredited conformity assessment body.

This Certificate of Accreditation replaces, to the full extent, Certificate No.: 24/2025 of 21/01/2025, and/or any administrative acts building upon it.

The Certificate of Accreditation is valid until: **28/11/2030**

Prague: 28/11/2025



Signed in the Czech original:  
Jan Velíšek on 28/11/2025

**Jan Velíšek**  
Director of the Department  
of Testing and Calibration Laboratories  
Czech Accreditation Institute

This translation of the Czech original has been issued by: Eliška Frycová



**Accredited entity according to ČSN EN ISO/IEC 17025:2018:**

**Hexagon Manufacturing Intelligence Czech Republic s.r.o.**

CAB number 2397, Calibration Laboratory

Boudníková 2538/13, Libeň, 180 00 Praha 8

**Calibration laboratory locations:**

- |                                |  |
|--------------------------------|--|
| 1. <b>Workplace Prague</b>     | Boudníková 2538/13, Libeň, 180 00 Praha 8      |
| 2. <b>Workplace Bratislava</b> | Tuhovská 10722/29, 831 06 Bratislava – Vajnory |

**CMC for the field of measured quantity: Length**

Ord. number <sup>1</sup>	Calibrated quantity / Subject of calibration	Nominal range				Parameter(s) of the measurand	Lowest stated expanded measurement uncertainty <sup>2</sup>	Calibration principle	Calibration procedure identification <sup>3</sup>	Location
		min	unit	max	unit					
1*	Coordinate measuring machines								KP1 – SMS1	1
	Spatial length	0 m		6 m		(0,25·L + 0,25) μm	Measurement with parallel gauge blocks and step gauge			
	Sensing system error	0 mm		1 mm		0,1 μm	Measurement using a calibration ball			
	Coordinate measuring machines								KP2 – SMS2	
	Spatial length	0 m		30 m		(0,5·L + 0,06) μm	Laser interferometer measurements			
	Sensing system error	0 mm		1 mm		0,1 μm	Measurement using a calibration ball			
	Coordinate measuring machines a laser sensor								KP5 – LASER	
	Dimension sensing	10 mm		50 mm		1,9 μm	Measurement using a calibration ball			
	Sensing of shape and scatter of sensing	0 mm		1 mm		2,0 μm	Measurement using white plate standard			
2*	Optical measuring machines with a multisensor								KP3 – OPTIKA	1
	Spatial length	0 mm		600 mm		(1,1·L + 0,3) μm (0,2·L + 0,2) μm	Measurement with parallel gauge blocks			
							Glass ruler measurement			

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Ord. number <sup>1</sup>	Calibrated quantity / Subject of calibration	Nominal range				Parameter(s) of the measurand	Lowest stated expanded measurement uncertainty <sup>2</sup>	Calibration principle	Calibration procedure identification <sup>3</sup>	Location
		min	unit	max	unit					
	Sensing system error	0 mm	to	1 mm			0,1 µm	Measurement using a calibration ball		
3	Measuring arms								KP4 – RAMENA; ČSN EN ISO 10360-12; STN EN ISO 10360-12; EN ISO 10360-12	1, 2
	Spatial length	0 m	to	4,5 m			(2,1·L + 1,2) µm	Measurement using a step gauge		
	Form sensing deviation	0 mm	to	1 mm			1,0 µm	Measurement using a calibration ball		
	Size sensing deviation	-1 mm	to	1 mm			1,0 µm			
	Position sensing deviation	0 mm	to	1 mm			1,0 µm			
4	Laser trackers					Length		Comparison with a reference laser tracker	KP7 – TRAKČNÍ LASER 2; ČSN EN ISO 10 360-10; EN ISO 10 360-10	1
	Distance measurement deviation	-0.05 mm	to	0.05 mm		1.5 m to 53 m	5 µm			
	Two face measurement deviation							Two face measurement by reflector		
		-0.4 mm	to	0.4 mm		1.5 m to 53 m	6 µm			
	Spatial length deviation in probe sensing	-0.5 mm	to	0.5 mm		1.5 m to 25 m	12 µm	Measurement using a scale bar		
	Spatial length deviation in reflector sensing	-0.5 mm	to	0.5 mm		1.5 m to 25 m	9 µm			
	Size sensing deviation							Measurement using a calibration ball		
		-0.2 mm	to	0.2 mm		2 m to 20 m	6 µm			
	Form sensing deviation	0 mm	to	0.4 mm		2 m to 20 m	8 µm	Measurement using a calibration ball		

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Ord. number <sup>1</sup>	Calibrated quantity / Subject of calibration	Nominal range				Parameter(s) of the measurand	Lowest stated expanded measurement uncertainty <sup>2</sup>	Calibration principle	Calibration procedure identification <sup>3</sup>	Location
		min	unit	max	unit					
	Plane sensing deviation	0 mm to 0.5 mm				2 m to 20 m	12 μm	Measurement using a reference plate by an optical sensor (scanning)		
	Orientation deviation	0 mm to 0.2 mm				2 m to 10 m	10 μm	Multi-position measurement with a switching tactile probe		
	Distance offset							Measurement by self-calibration procedure	KP6 – TRAKČNÍ LASER 1; KP7 – TRAKČNÍ LASER 2; ČSN EN ISO 10 360-10; EN ISO 10 360-10	
		-2.0 mm to 2.0 mm				1.5 m to 15 m	7 μm			
	Absolute distance meter modulation frequency	0 kHz to 25 MHz					0.75 Hz	Rubidium frequency standard measurement		

<sup>1</sup> Asterisk at the ordinal number identifies the calibrations, which the Laboratory is qualified to carry out outside the permanent laboratory premises.

<sup>2</sup> The expanded measurement uncertainty is in accordance with ILAC-P14 and EA-4/02 M a part of CMC and it is the lowest value of the respective uncertainty. If not stated otherwise, its coverage probability is approx. 95 %. If not stated otherwise, the uncertainty values stated without a unit are relative to the measured value. The uncertainty value stated herein is based on the best conditions achievable by the laboratory; the uncertainty value of a specific calibration may be higher depending on the conditions of such a calibration. For identical extreme values of adjacent ranges, the lower uncertainty value always applies.

<sup>3</sup> If the document identifying the calibration procedure is dated only these specific procedures are used. If the document identifying the calibration procedure is not dated, the latest edition of the specified procedure is used (including any changes).

L measured length (m)

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*"This document is an appendix to the certificate of accreditation. In case of any discrepancies between the English and Czech versions, the Czech version shall prevail, both for the certificate appendix and the certificate itself."*