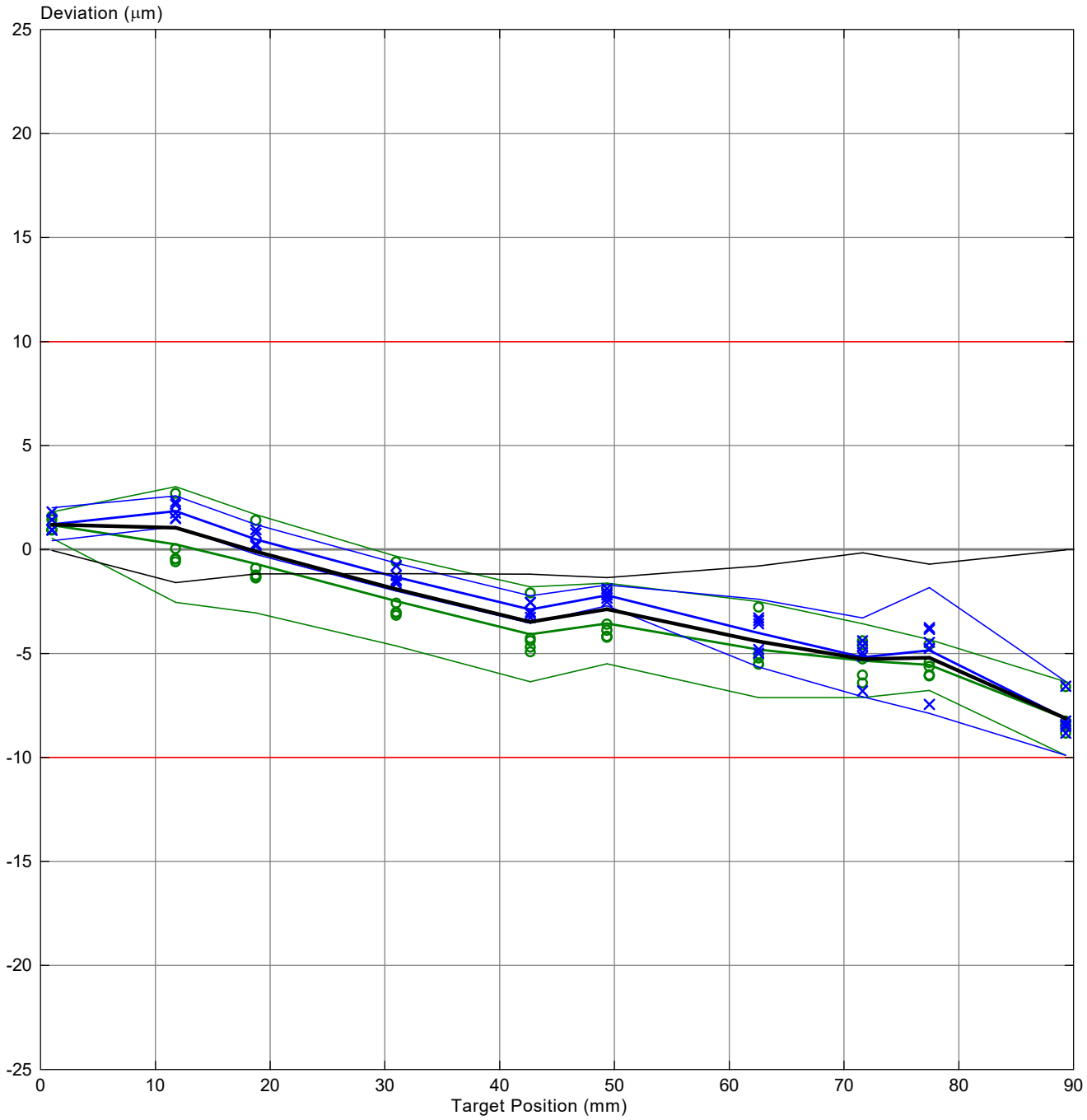
Linear - Measurement Axis: Z



Forward Data Runs — Forward Mean — Forward +/-n sigma — Reverse Data Runs
Reverse Mean — Reverse +/-n sigma — Combined Mean — Limit Lines
Backlash / pt.

Numerical Analysis

Standards:	ISO 230-2 2014 (Modified)
Error Sign Convention:	Algebraic
Coverage Factor (Sigma):	2
Accuracy:	A = 12.9 µm
	A↑= 12.9 µm
	A↓= 12.5 µm
Sys. Dev. Pos.:	E = 10.0 µm
	E↑= 9.3 µm
	E↓= 10.0 µm
Mean Bidir. Pos. Dev.:	M = 9.3 µm
Repeatability:	R = 6.0 µm
	R↑= 5.6 µm
	R↓= 6.0 µm
Max Reversal Error:	B = 1.6 µm
Mean Reversal Error:	$\overline{B}$ = -0.8 µm

Machine Information

Name of Inspector:	Henrique
Machine Name:	Test setup
Machine Serial No.:	
Location:	Mechatronics Lab
Date of Test:	27.08.2026 10:54:19
Current Date:	20.10.2026 13:03:54
Filename:	OWIS_stageTR_Electronics...
Comments:	
TR-Electronics	
EL5042	
EL7041	
closedLoop	
S-Curve	

Environmental Data

	Max	Min	Mean
AT (°C)	22.14	22.14	22.14
AP (mmHg)	734.4	734.4	734.4
RH (%)	33	33	33
MT1 (°C)	22.74	22.74	22.74
MT2 (°C)	23.11	23.11	23.11
MT3 (°C)			

Expans. Coeff.: 11.7 ppm/°C