CALIBRATION CERTIFICATE

General Information

Scanner	MetraSCAN BLACK|Elite
Tracker	C-TRACK|ELITE (4th Gen.) + HandyPROBE
Manufactured by	Creaform Inc.
Scanner Serial Number	9390340
Calibration Plate Serial Number	9460407
C-Track Serial Number	9420444
C-Track Calibration Bar Serial Number	880258

Condition	As found
Certificate Number	SC10-9390340-46147
Acceptance Test Date	2026-05-05
Ambient Temperature	Min 22.7°C; Max 23.52°C
Certification Center	Measurement Solutions Limited Bleak Hall Barn Buckingham Silverstone, NN12 8TJ United Kingdom

Acceptance Test Procedure

The calibration testing procedures used for this test are based on Creaform recommendations.

1 ballbar is used to perform this procedure and three different C-Track Positions are needed to complete it. Sphere 1 is measured five times when the C-Track is in Position 1. The 2 spheres of the ballbar are measured in C-Track Position 2 and 3 five times respectively.The top hemisphere of the measured data is used for the sphere fitting. The 2 cones of the ballbar are measured in C-Track Position 2 and 3 five times also.
Highest deviations between measured and nominal values are listed below. The acceptance limits are defined by MetraSCAN BLACK|Elite technical specification for both the sphere diameter and sphere distance.

Calibration Results

Test	*Specification*	*Limits +/-*	*Result*	*Status*
Sphere Diameter	Accuracy	0.025	-0.0084	**Passed**
Sphere Distance Z-Axis	Volumetric Accuracy	0.078	-0.0245	**Passed**
Sphere Distance X-Axis	Volumetric Accuracy	0.078	-0.0135	**Passed**
Cone Distance Z-Axis	Volumetric Accuracy	0.078	-0.0288	**Passed**
Cone Distance X-Axis	Volumetric Accuracy	0.078	-0.0478	**Passed**

Equipment

Apparatus	*Type*	*Serial Number*	*Certificate Number*	*Calibration Date*
Ball Bar	Ball Bar 898.1955 mm	S22-12269	S22-12269_01	2025-06-26

Unless otherwise stated, mm is the unit.

Calibration Test performed by: **Henry Dunkley**

Acquisition results

C-Track Position 1		Result	Nominal	Deviation	Status
Test #1	Diameter Sphere 1	38.088	38.096	-0.0084	Passed
Test #2	Diameter Sphere 1	38.097	38.096	0.0006	Passed
Test #3	Diameter Sphere 1	38.098	38.096	0.0016	Passed
Test #4	Diameter Sphere 1	38.094	38.096	-0.0024	Passed
Test #5	Diameter Sphere 1	38.093	38.096	-0.0034	Passed

C-Track Position 2		Result	Nominal	Deviation	Status
Test #1	Distance Sphere Z	898.193	898.196	-0.003	Passed
	Distance Cone Z	772.820	772.850	-0.030	Passed
Test #2	Distance Sphere Z	898.171	898.196	-0.024	Passed
	Distance Cone Z	772.841	772.850	-0.009	Passed
Test #3	Distance Sphere Z	898.194	898.196	-0.002	Passed
	Distance Cone Z	772.802	772.850	-0.048	Passed
Test #4	Distance Sphere Z	898.182	898.196	-0.014	Passed
	Distance Cone Z	772.835	772.850	-0.015	Passed
Test #5	Distance Sphere Z	898.182	898.196	-0.014	Passed
	Distance Cone Z	772.829	772.850	-0.021	Passed

C-Track Position 3		Result	Nominal	Deviation	Status
Test #1	Distance Sphere X	898.189	898.196	-0.007	Passed
	Distance Cone X	772.851	772.850	0.001	Passed
Test #2	Distance Sphere X	898.182	898.196	-0.014	Passed
	Distance Cone X	772.821	772.850	-0.029	Passed
Test #3	Distance Sphere X	898.193	898.196	-0.003	Passed
	Distance Cone X	772.843	772.850	-0.007	Passed
Test #4	Distance Sphere X	898.182	898.196	-0.014	Passed
	Distance Cone X	772.848	772.850	-0.002	Passed
Test #5	Distance Sphere X	898.198	898.196	0.002	Passed
	Distance Cone X	772.842	772.850	-0.008	Passed