# NOMINAL TO ACTUAL ANALYSIS REPORT

**Object:** Motor mount SMF-0027-V2
(type, purpose, product. Nr.)

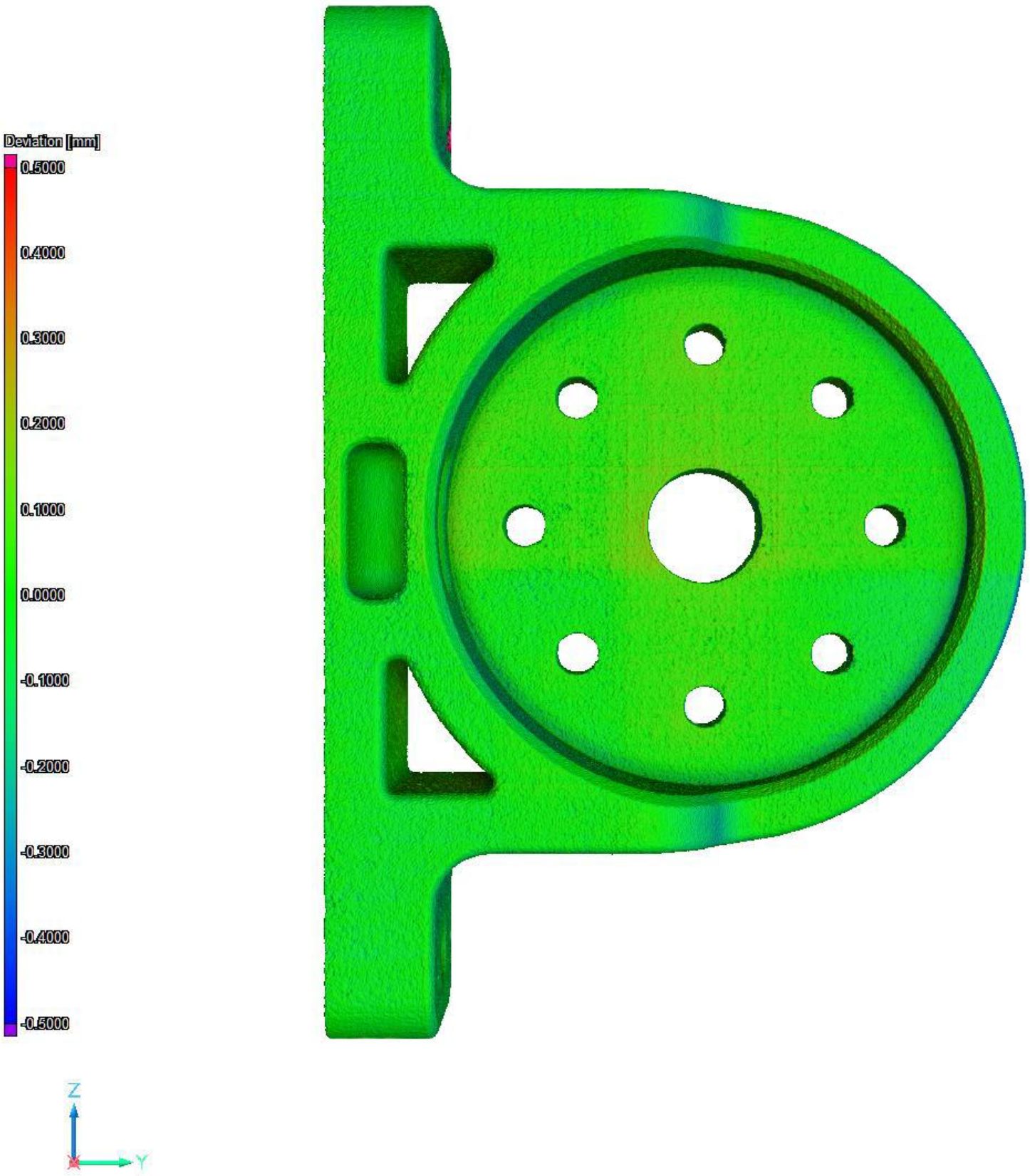
**Customer:** Customer
(name and address)

**Order Nr. and date:** Nr. SMF240110Q2, 2025-01-13

**Analysis location:** UAB Smart Factory quality control laboratory Taikos pr. 131A, LT-51124 Kaunas, Lithuania
(name and address)

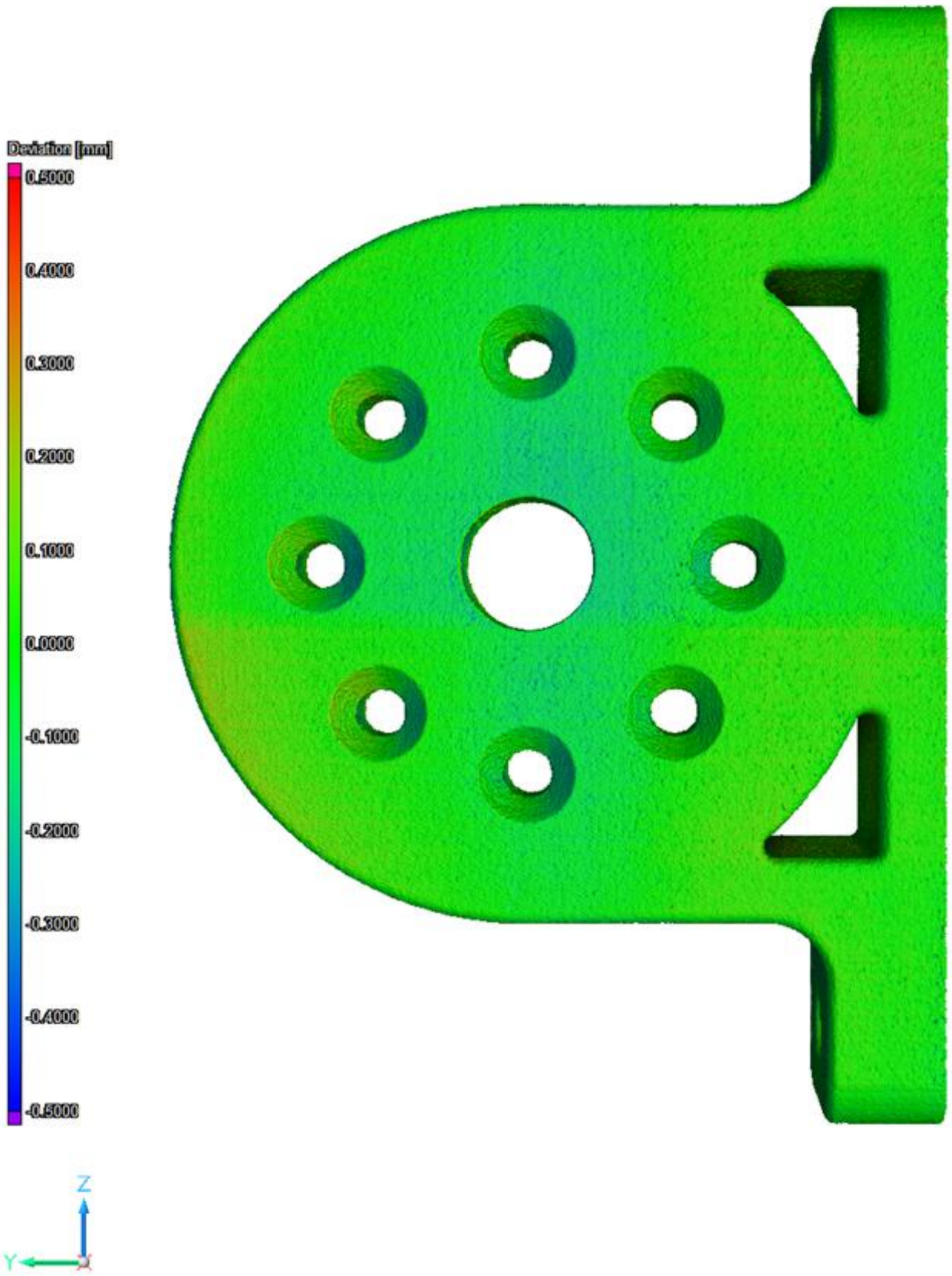
**Used methodology:** Scanning with Industrial Computed Tomography XT H 225
Nominal to actual analysis with VGSTUDIO MAX 2024.2
Visual inspection for any other internal or external defects
(used hardware and software)

**Equipment and software parameters:** XT H 225 magnification axis position 350
VGSTUDIO MAX 2024.2. Voxel size - 0,04401481 mm
(used hardware and software parameters)



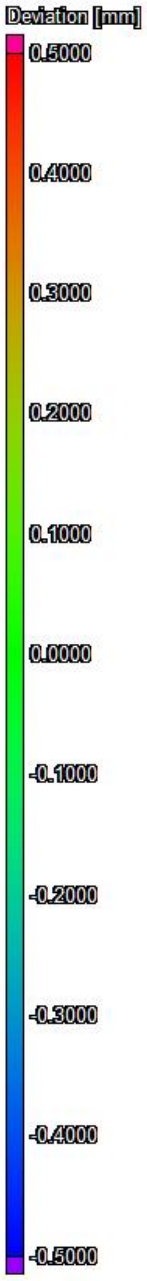

| | NOMINAL TO ACTUAL ANALYSIS REPORT | | |
|---|---|---|---|
| | Motor mount SMF-0027-V2 | ZY view | 2025-01-13 |
| | Comment:<br>There are no visible internal or external object defects.<br>The biggest negative deviation from CAD model is -0.66 mm.<br>The biggest positive deviation from CAD model is +0.22 mm | | |

Measurements are performed by UAB Smart Factory

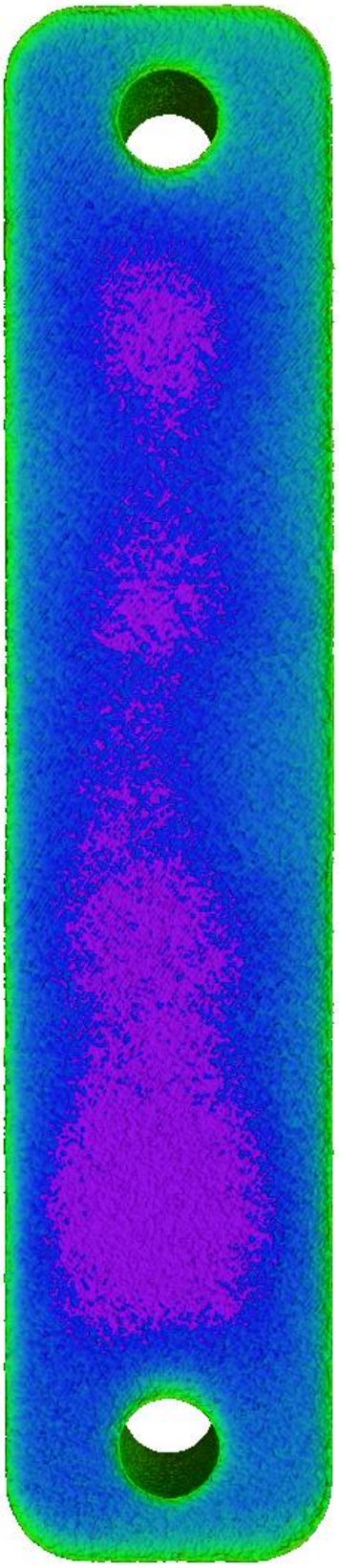



| NOMINAL TO ACTUAL ANALYSIS REPORT | | |
|---|---|---|
| Motor mount SMF-0027-V2 | YZ view | 2025-01-13 |

Comment:
There are no visible internal or external object defects.
The biggest negative deviation from CAD model is -0.66 mm.
The biggest positive deviation from CAD model is +0.22 mm

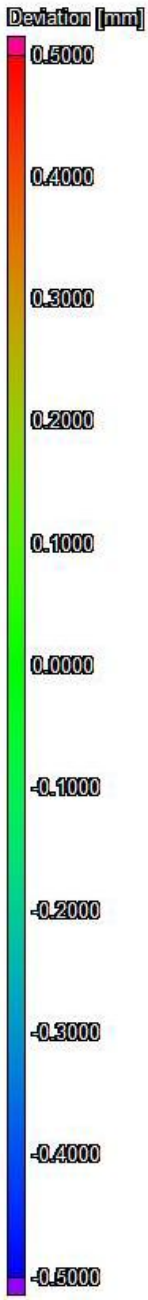




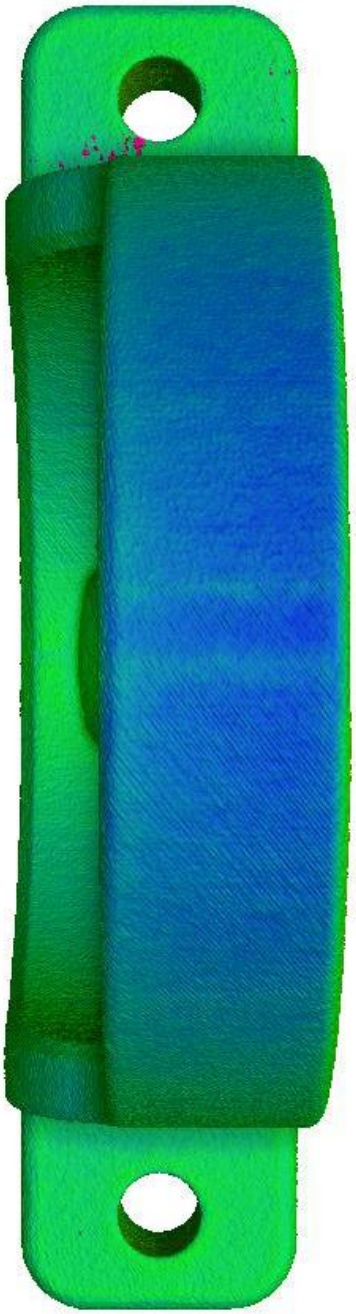


| NOMINAL TO ACTUAL ANALYSIS REPORT | | |
|---|---|---|
| Motor mount SMF-0027-V2 | ZX view | 2025-01-13 |

Comment:
There are no visible internal or external object defects.
The biggest negative deviation from CAD model is -0.66 mm.
The biggest positive deviation from CAD model is +0.22 mm

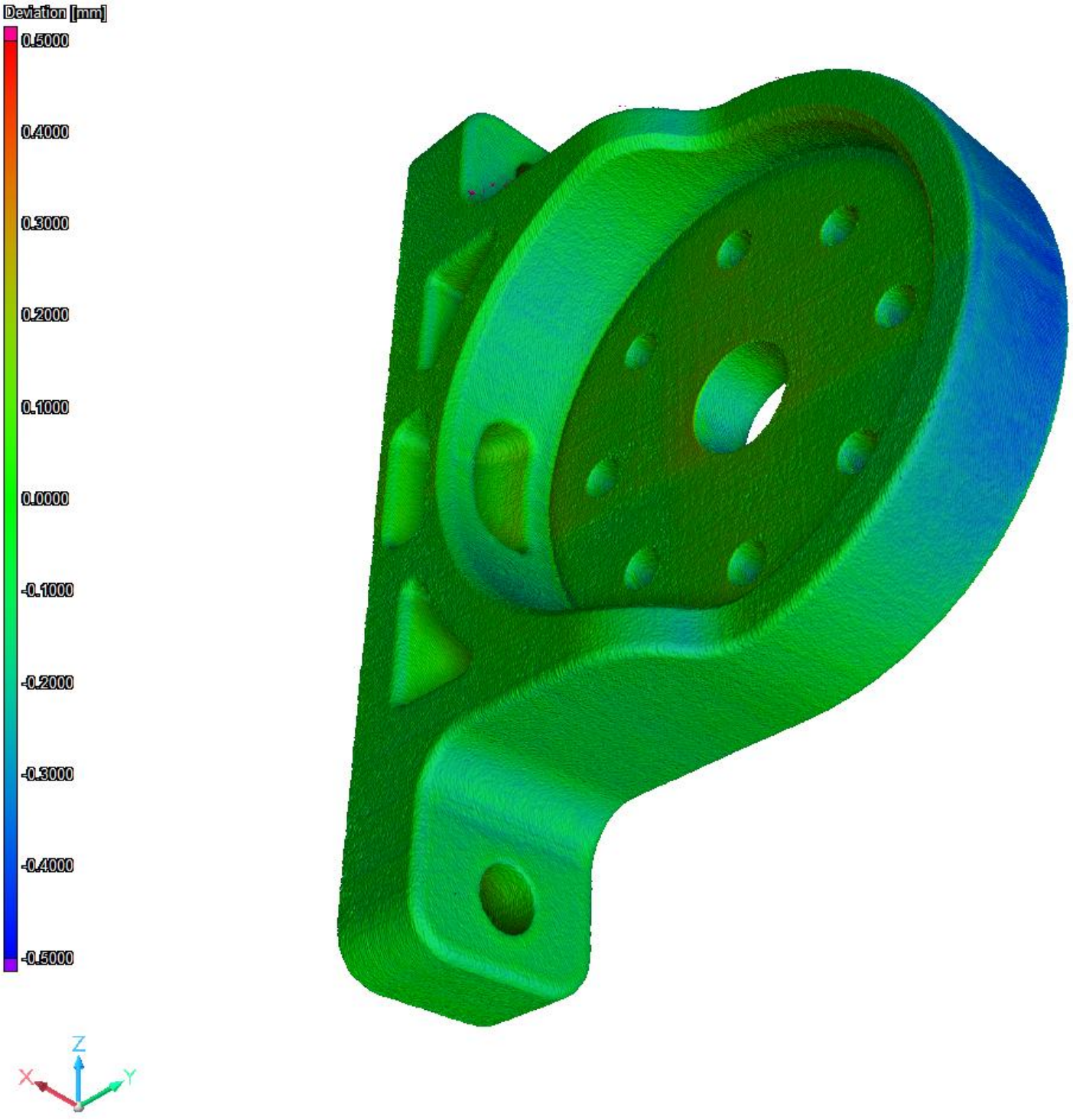






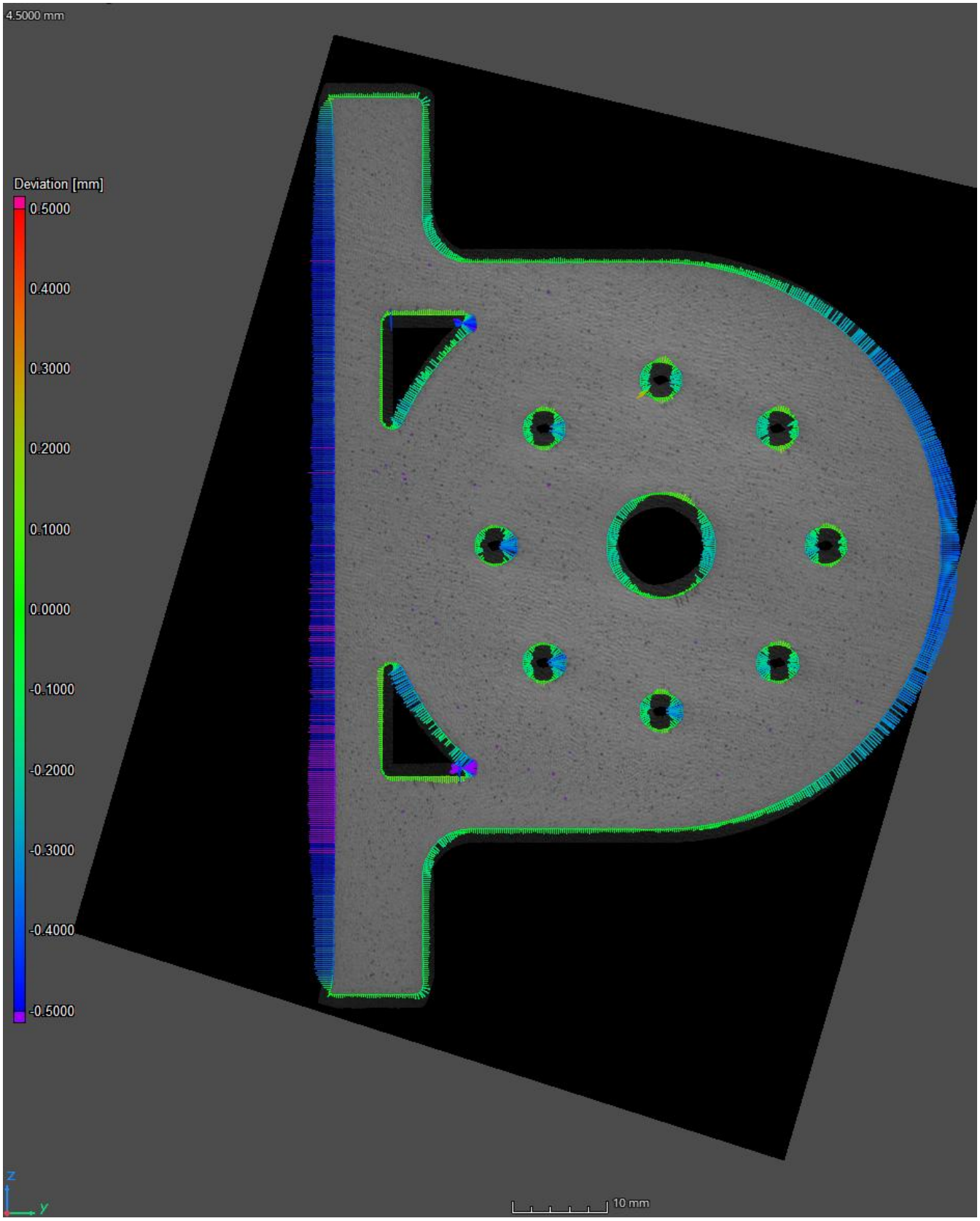
| NOMINAL TO ACTUAL ANALYSIS REPORT | | |
|---|---|---|
| Motor mount SMF-0027-V2 | XZ view | 2025-01-13 |

Comment:
There are no visible internal or external object defects.
The biggest negative deviation from CAD model is -0.66 mm.
The biggest positive deviation from CAD model is +0.22 mm



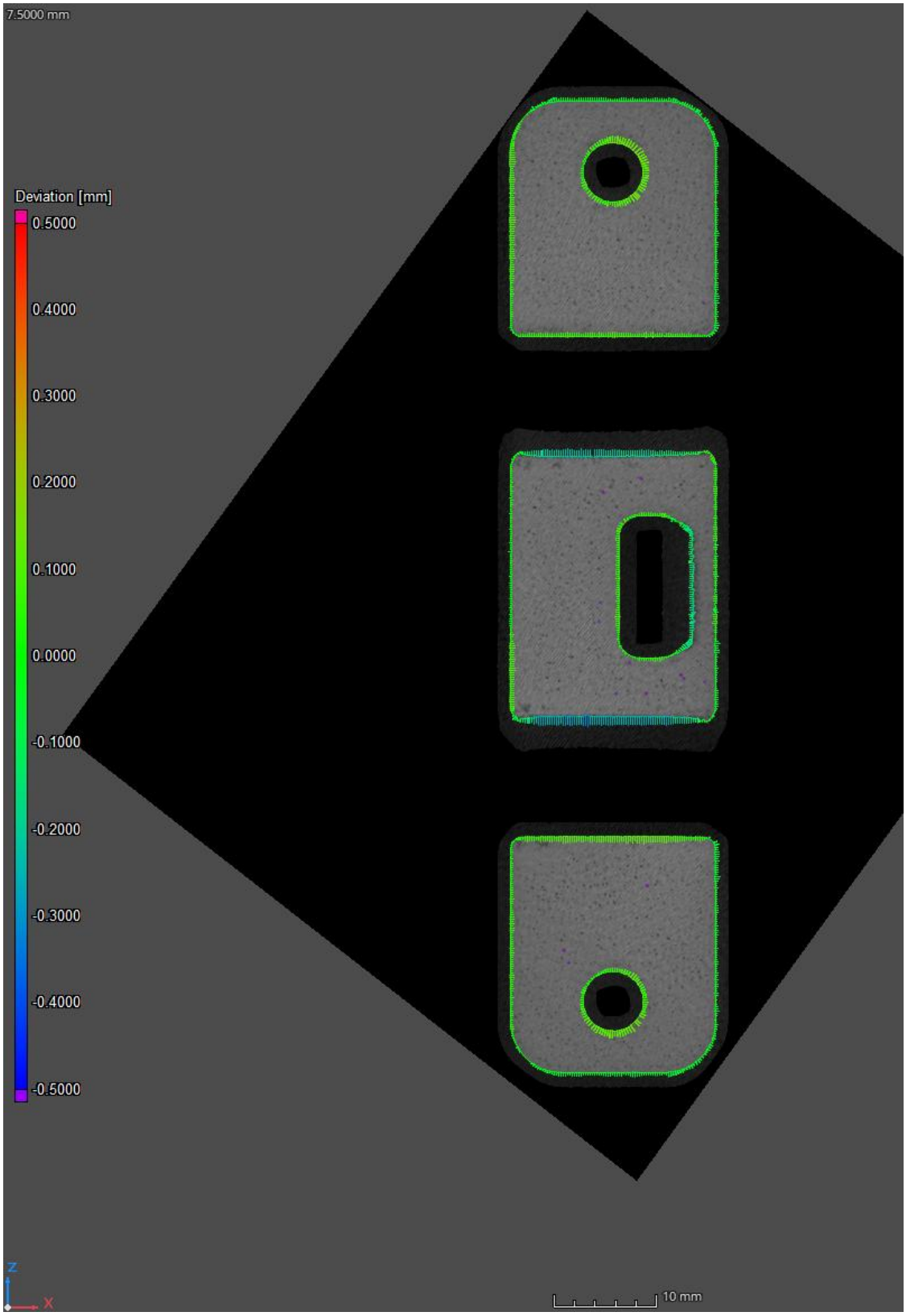

| | NOMINAL TO ACTUAL ANALYSIS REPORT | | |
|---|---|---|---|
| | Motor mount SMF-0027-V2 | 3D view | 2025-01-13 |
| | Comment:<br>There are no visible internal or external object defects.<br>The biggest negative deviation from CAD model is -0.66 mm.<br>The biggest positive deviation from CAD model is +0.22 mm | | |

Measurements are performed by UAB Smart Factory




| | NOMINAL TO ACTUAL ANALYSIS REPORT | | |
|---|---|---|---|
| | Motor mount SMF-0027-V2 | ZY section view | 2025-01-13 |
| | Comment:<br>There are no visible internal or external object defects.<br>ZY section view is at 4.5 mm height from B Datum. | | |

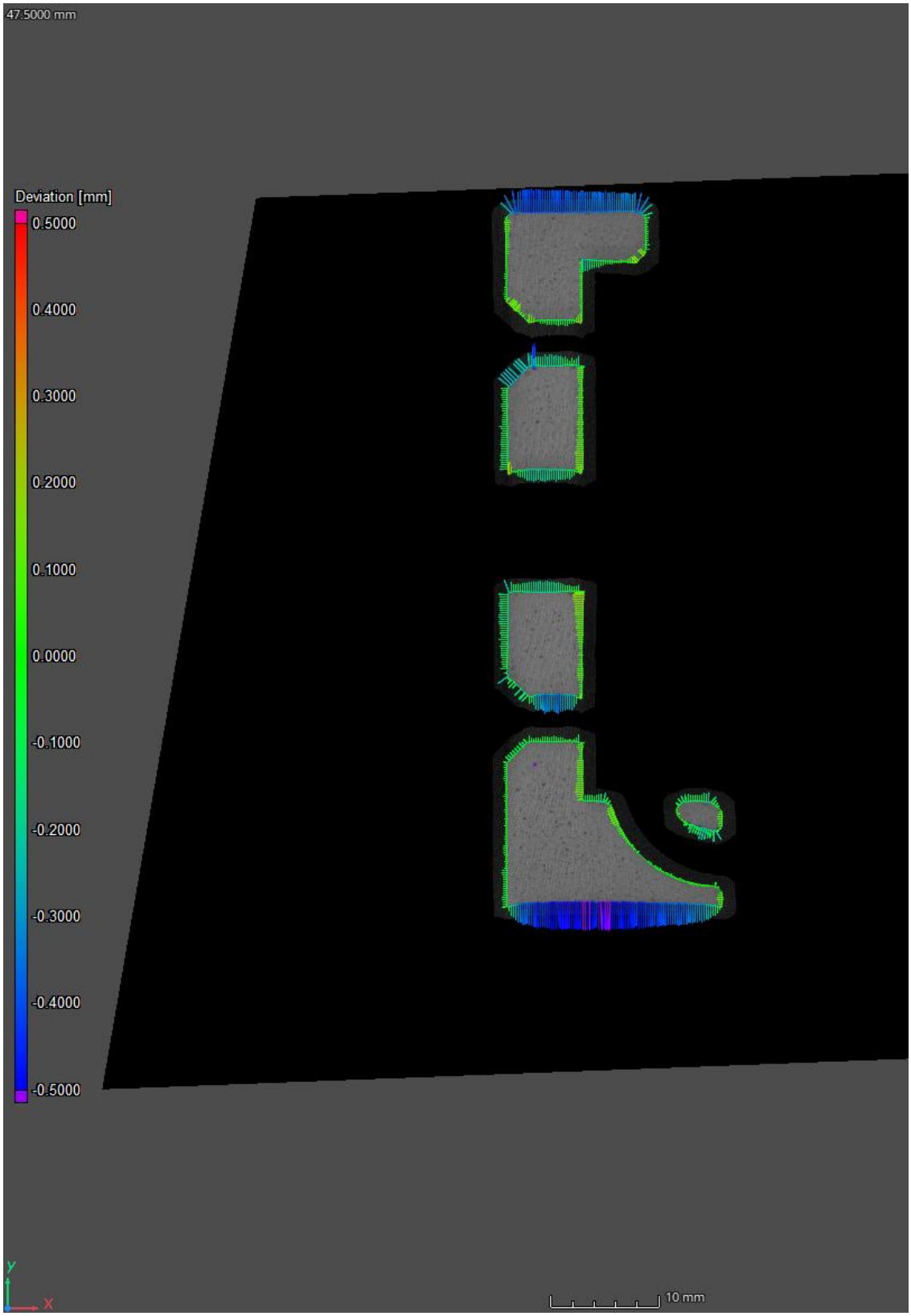
Measurements are performed by UAB Smart Factory




| NOMINAL TO ACTUAL ANALYSIS REPORT | | |
|---|---|---|
| Motor mount SMF-0027-V2 | ZX section view | 2025-01-13 |

Comment:
There are no visible internal or external object defects.
ZX section view is at 7.5 mm height from A Datum.

Measurements are performed by UAB Smart Factory




| | NOMINAL TO ACTUAL ANALYSIS REPORT | | |
|---|---|---|---|
| Smart factory | Motor mount SMF-0027-V2 | YX section view | 2025-01-13 |
| | Comment:<br>There are no visible internal or external object defects.<br>YX section view is at 47.5 mm height from C Datum. | | |

Measurements are performed by UAB Smart Factory

# NOMINAL TO ACTUAL ANALYSIS CONCLUSION

**Conclusions:**

1. After scanning Motor mount SMF-0027-V2 with Industrial Computed Tomography XT H 225 no internal or external defects were found.
2. The biggest negative deviation from CAD model is -0.66 mm.
3. The biggest positive deviation from CAD model is +0.22 mm
4. Both Datum A and opposite side in Y direction surfaces are in negative deviation, that means that during the manufacturing process these plastic part's surfaces shrunk. It is recommended to reprint 3D printed part in rotated position in all three Datums A, B and C.