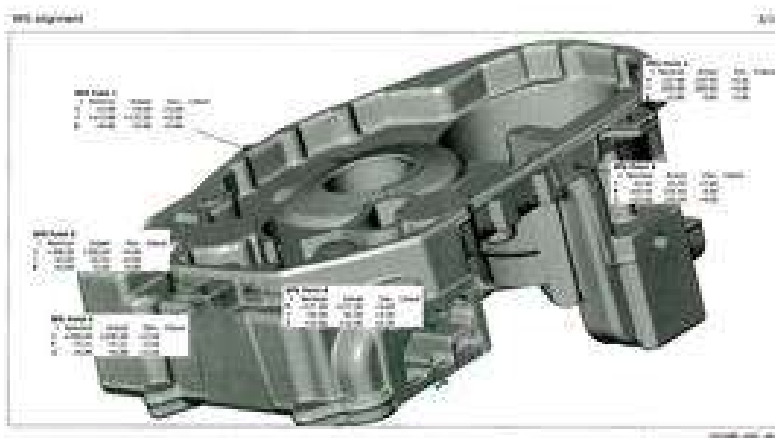
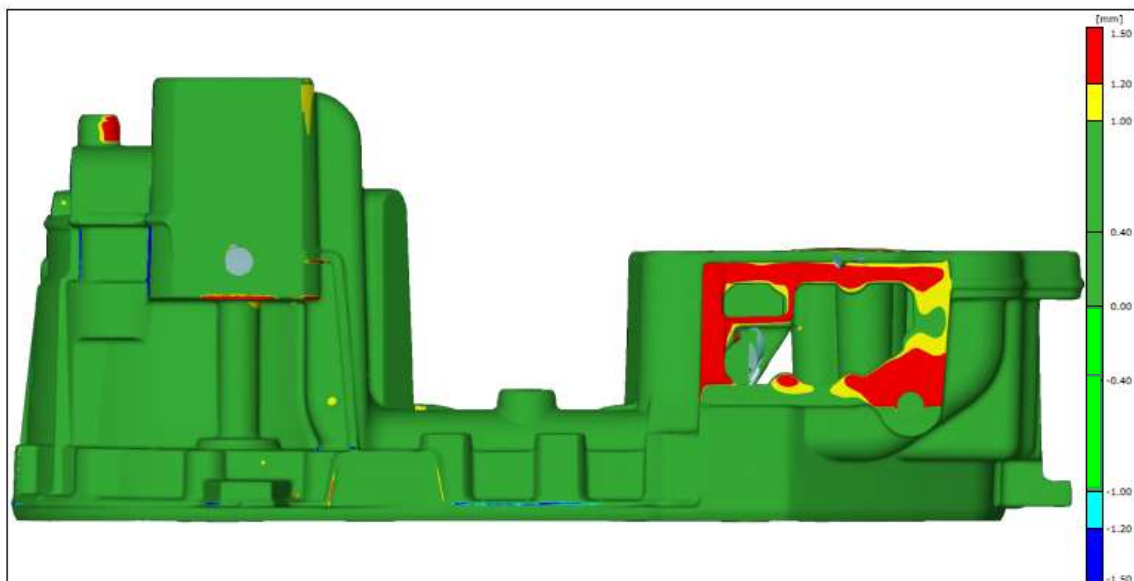


## General evaluation specifications for measurements against CAD:

- All component geometries must be evaluated
  - In the case of inaccessible geometries (= channels / undercuts), e.g. to reveal and measure the respective subareas by cutting the part and measure the sections.
  - Sum up all relevant scanning information on cover sheet of the report. e.g. part number, drawing revision level of the CAD data file, casting date of examined parts, number of cavity, tolerance of specification according to 2D drawing, type of orientation, date of examination etc.
  - The orientation must be documented in the report
    - Defined attachment points in the RT drawing => alignment as per drawing
    - or: No defined attachment points in the RT drawing => Best Fit



- The color transitions between the tolerance zones must have a clear "cut" and not be fluent
- About 2/3 of the usable tolerance in the "+" and the "-" should only have green shades and the respective last 1/3 of the tolerance should have any transition color (e.g. yellow) before the values are NOK.
- The color code of **+ areas** must be different to the color code of **- areas**.

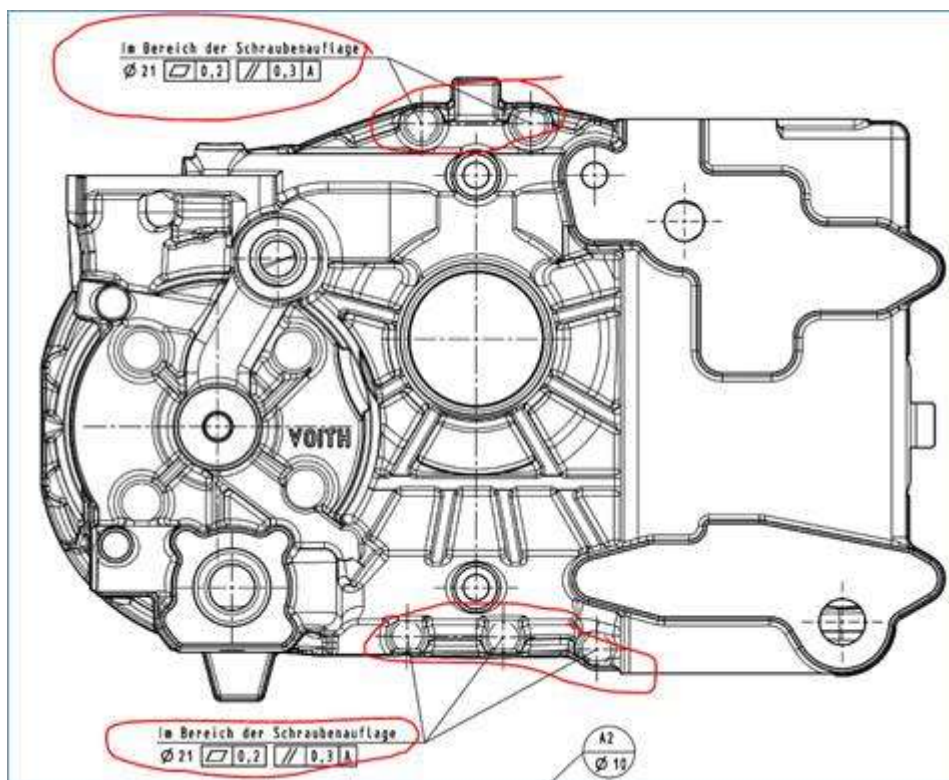


In case of unclear results in the evaluation, we reserve the right to request the GOM ".ginspect" file or similar of the initial sample survey.

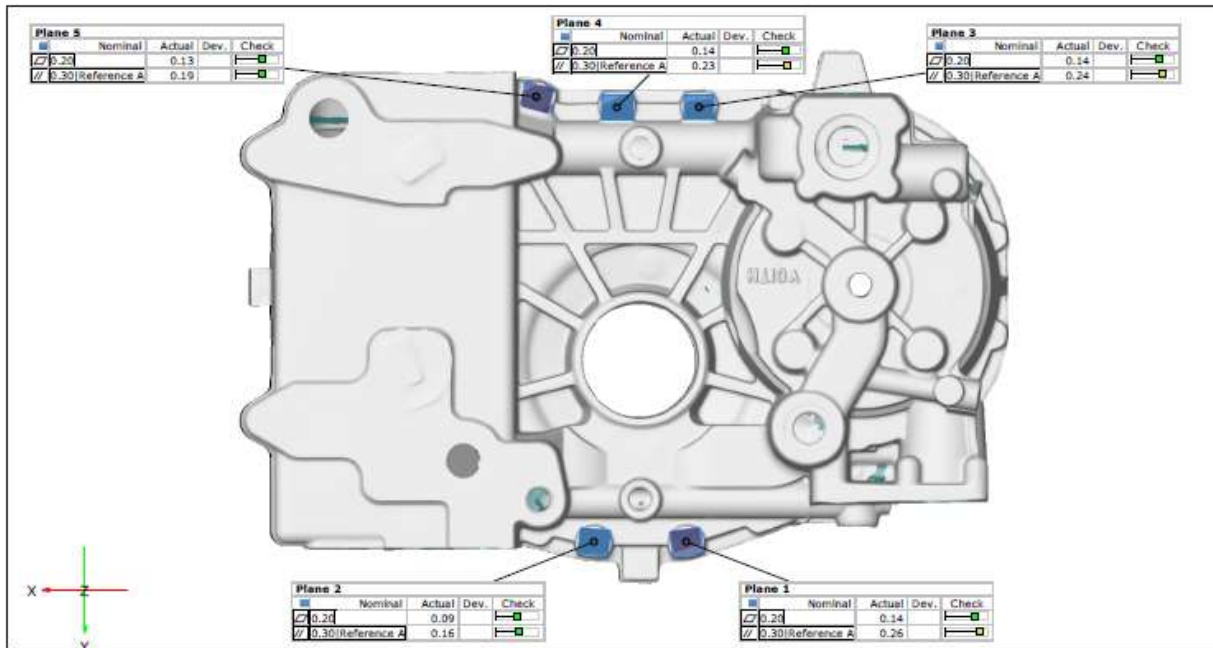


### Evaluation criteria for special areas:

If areas are indicated in the drawing for which a separate / restricted tolerance applies, then this must be evaluated separately in the measurement.



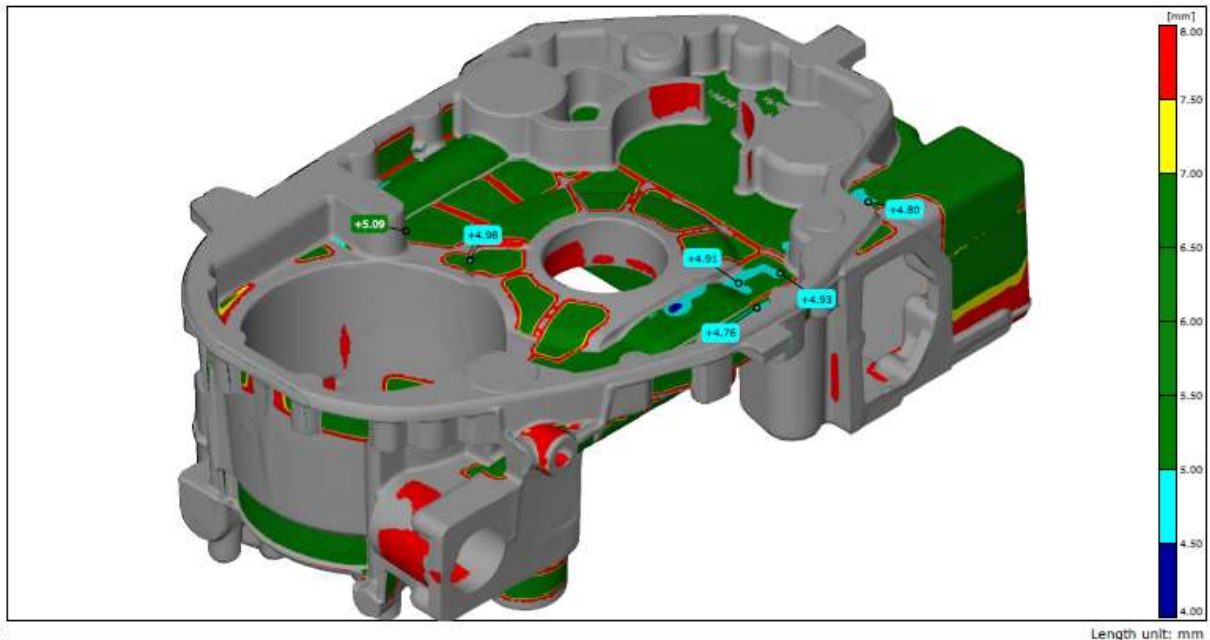
Flatness



Wall thicknesses:

By 3d scann

- "All" component geometries must be evaluated
- The scale of the evaluation must also show all values below the minimum tolerance
- Again, the 2/3 to 1/3 rule applies to the false color representation
- no smooth transition of colors



or by cutting

- For simpler parts it makes sense to cut parts and measure the wall thickness with caliber.
- Documentation of this research by photo or data collection (Where checked/results etc.)
- Conclusion regarding the findings