State-of-the-art 3D inspection system to analyze your stubs on the production line

How it works

The ASIS³D uses a combination of 3D sensors. The data sets from each sensor are linked to a common triple-axis coordinate system to build the full 3D model of the stubs. An industrially proven 3D metrology software is then used to automatically perform the measurements.

Key features

The ASIS³D is fully automated, with a design based on robust and proven technologies.

- Can be adapted to all stub sizes and configurations (including hexapods).
- Measurements are performed to route the anode rods automatically toward the repair loop or to be reused.
- The complete inspection process requires less than 30 seconds.
- Perfect rodding can be ensured by numerically simulating the stub inputs in the anode model.
- Repair stations are optimized and fed with precise and relevant information.
- Custom measurements can be added if required.
- When used with STAS anode rod tracking technology (ART), the condition of the stubs can be related to the performance of the electrolysis cells.
- Anode stub maintenance can be greatly optimized and monitored.
- An optional labeling station at the exit of the ASIS³D can print a custom report to be applied on the anode rod.

Scanning of three-dimensional stub types

Available with tripods and hexapods configurations.
**Typical specifications**

<table>
<thead>
<tr>
<th>Inspection cycle</th>
<th>Main unit Overall dimensions</th>
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<tbody>
<tr>
<td></td>
<td>Length (mm)</td>
</tr>
<tr>
<td><strong>30 sec</strong></td>
<td>2000 - 4000</td>
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