

From energy to eMobility

ZEISS eMobility Solutions



ZEISS Accessories

for the New Energy Vehicles Industry

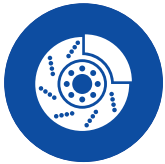
probes.zeiss.com



Seeing beyond

Turning a challenge into a Quality Solution

Measuring batteries, transmissions and electric motors can be challenging due to their complex materials and geometries. To handle the growing pressure on manufacturers and suppliers, it is crucial to thoroughly master the following challenges:



Complex Geometries and Materials

The wide range of components made of different materials with complex geometries poses a direct challenge for the inspection and measurement process and requires advanced metrology solutions.



High Throughput Rates and Strict Quality Assurance

Meeting the high manufacturing process demands in the NEV industry can be a challenge, as manufacturers need to assure high throughput rates and accuracy without compromising quality.



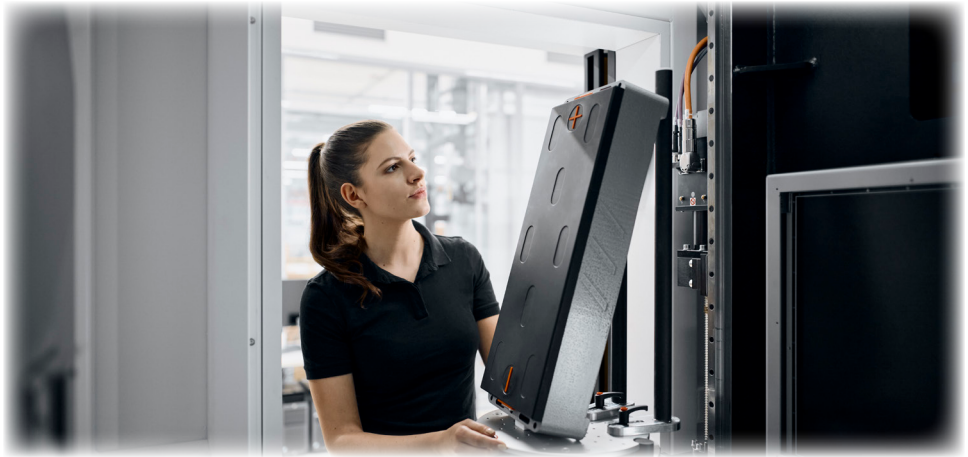
Integration of Digital Solutions

As NEVs are highly integrated with digital technologies, quality assurance processes must evolve to include digital and automated solutions, ensuring seamless production and real-time quality monitoring for enhanced manufacturing efficiency.

To fulfill the challenging demands of the rapidly growing energy vehicles market, manufacturers must go beyond the usual requirements in quality assurance to ensure performance, range, structure and safety of the components.

ZEISS Accessories Solutions

overcome every challenge



In battery production, for example, CT measurements are necessary to detect, identify and localize defects that could lead to critical failures. **ZEISS OmniFix CT flex** has flexible elements and columns that can be adjusted horizontally and vertically. This helps to ensure maximum accuracy, precision, reproducibility and pace.

Another important aspect in this industry is the reduction of downtime at all stages. **ZEISS FixAssist** enables faster and more precise alignment of stylus systems, which also prevents damage to the probe and contributes to faster measurements. It ensures accurate measurements of all areas of your part without time-consuming stylus changes.



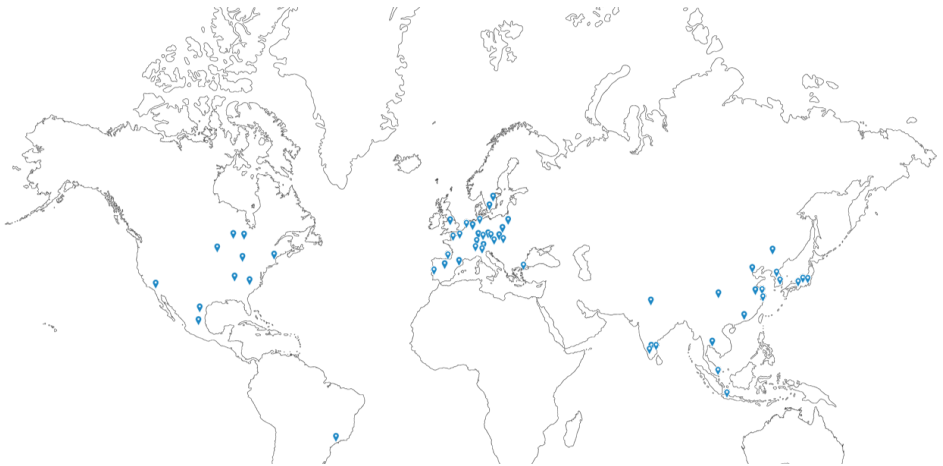
With **ZEISS CFX extensions**, even areas that are difficult to access can be reached and measured more efficiently.

ZEISS Industrial Quality Solutions

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With over **100 years** of experience in innovation and metrology, we offer customized solutions for various industries, including aerospace, medical technology, electronics, and energy.

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and **63 Quality Excellence Centers** worldwide

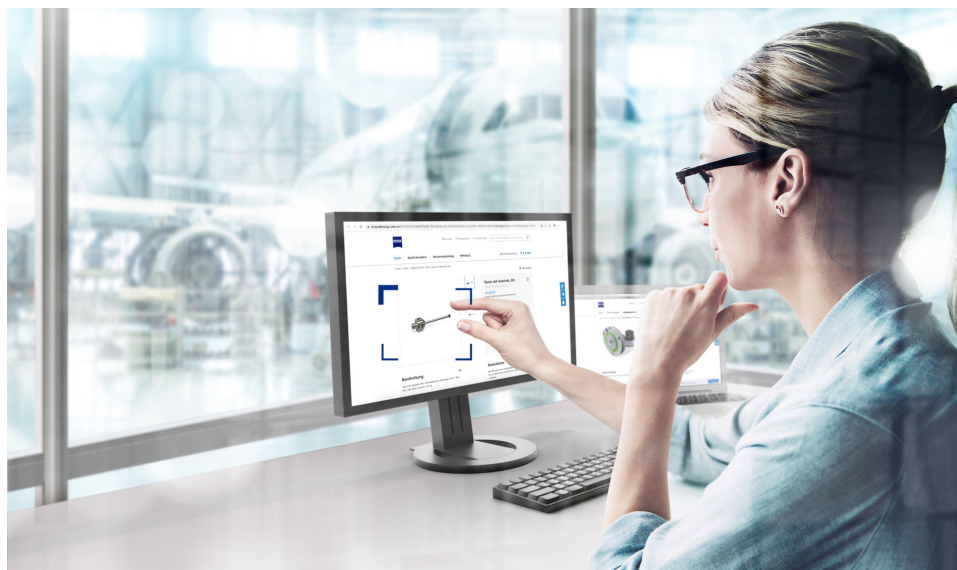
Highly qualified experts provide support in the following areas:

- calibration and measurement services
- training
- offline programming
- initial sampling test reports

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