**Increased customer demands**
The standards for the cleanliness of components have been increasing significantly, as even the smallest impurities on component surfaces can have serious consequences in many areas. The areas of possible impact on function or safety include visual defects, e.g. displays or headlight systems, as well as safety related influences such as unwanted contact of electronic systems.

With the innovative EJOCLEAN® programme EJOT has been offering individual customer solutions to use „clean“ fasteners in the assembly line. To realise and monitor the cleanliness objectives, EJOT employs state of the art equipment and analysis technology.

**Technical cleanliness**
The concept of „technical cleanliness“ according to VDA 19, VDA 19.2 and ISO 16232 describes cleanliness with regards to particle purity.
EJOCLEAN® Grade 1 & 2 limit values „maximum acceptable particle size”

<table>
<thead>
<tr>
<th>Classification according to VDA 19</th>
<th>Number of metallic particles</th>
<th>Number of non-metallic particle</th>
</tr>
</thead>
<tbody>
<tr>
<td>E 50 - 100 µm</td>
<td>6000</td>
<td>7000</td>
</tr>
<tr>
<td>F 100 - 150 µm</td>
<td>1000</td>
<td>1000</td>
</tr>
<tr>
<td>G 150 - 200 µm</td>
<td>300</td>
<td>300</td>
</tr>
<tr>
<td>H 200 - 400 µm</td>
<td>200</td>
<td>200</td>
</tr>
<tr>
<td>I-K 400 - 1000 µm</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

Reliable process EJOCLEAN®
State of the art equipment ensures very high process reliability for the ultra fine cleaning of fasteners and formed elements.

Testing & packaging

Clean room
Since the finely cleaned elements are packaged in a clean room, re-contamination due to sedimentation of airborne particles is reliably prevented.

Test laboratory
Continuous process control in our own cleanliness laboratory.

Testing & packaging

Clean room

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EJOT® The Quality Connection