ZwickRoell’s program of continuous product development and improvement involves ongoing technological advances and recent decades have seen many changes, particularly with regard to software and electronics. The increased demands placed on technical components as a result of these changes can now only be met by up-to-date testing technology.

**DUPS electronics: end of reliable service and support plus future-upgradeability**

Following expiry of the 10-year spare parts warranty on 31 December 2014 it is no longer possible to guarantee full availability of DUPS spare parts. Electronic and electromechanical components for electronics of this generation are no longer commercially available. For continued availability of rapid, dependable assistance in the event of difficulty we recommend changing to up-to-date testing technology. In addition to ensuring spare-part availability for a minimum of 10 years, such a change represents an investment for the future. New demands can best be met using the latest technology.

**MOPS electronics: Continued service reliability and future upgradeability no longer guaranteed**

Future upgradeability for machines with this generation of electronics can no longer be guaranteed. New developments, for example in the new testXpert III testing software, or in state-of-the-art sensor technology can, in general, no longer be implemented in connection with MOPS measurement and control electronics. MOPS electronics can no longer satisfy the requirements of a number of new standards, particularly where high data acquisition rates and fast response times are required. Continued service reliability and spare parts delivery can no longer be guaranteed for MOPS components, and have not been guaranteed since the end of 2016.

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**Product Information**

Reliable service and support with future-upgradeability - only with up-to-date technology

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**Table: Comparison of Electronics**

<table>
<thead>
<tr>
<th>Year Range</th>
<th>DUPS Electronic</th>
<th>MOPS Electronic</th>
<th>testControl Electronic</th>
<th>testControl II Electronic</th>
</tr>
</thead>
<tbody>
<tr>
<td>1992 ... 2004</td>
<td>No</td>
<td>No</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>1994 ... 2006</td>
<td>No</td>
<td>No</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>2002 ... 2016</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>2012 ...</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
</tbody>
</table>

*Exempt hardness and special systems

This matrix applies exclusively to electromechanical static standard testing machines.
Product Information

Reliable service and support with future-upgradeability - only with up-to-date technology

The route to new technology
ZwickRoell offers three routes to modern, future-upgradeable technology. You can select the route which best meets your requirements and preferences:

- pre-owned machine
- modernization
- new machine

The advantages of modern technology

Reliable service and support restored:
- rapid assistance via our Hotline
- guaranteed spare-part availability for a minimum of ten years
- fast spare-part provision, in most cases within 24 hours
- rapid on-the-spot assistance by our local service technicians in the event of breakdown
- short downtime

Future-upgradeability:
- modern technology enables compliance with new standards
- highly sensitive sensors deliver improved accuracy

A comprehensive range of accessories is available from ZwickRoell.

- optimum software support ensures reproducibility
- comprehensive accessory range opens up new possibilities - everything can be retrofitted, from specimen grips to temperature chambers
- use of latest Windows operating systems such as Windows 7 / 8 / 8.1 / 10 for optimum integration into your IT landscape

All data at ambient temperature. We reserve the right to make technical changes in the course of ongoing development.