![Zwick Roell logo]

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

	1992 ... 2004	1994 ... 2006	2002 ... 2016[1]	2012 ...
	DUPS electronics	**MOPS electronics**	**testControl electronics**	**testControl II electronics**
reliable service	No	No	No	Yes
upgradebility	No	No	No	Yes
testXpert® III	No	No	Yes	Yes
modernization to testControl II	The requirement for reliable service, upgradebility, and the use of testXpert III is met by the modernization to testControl II			
	Yes	Yes	Yes	

[1] Except hardness and special systems
This matrix applies exclusively to electromechanical static standard testing machines

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, support and future viability
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: End of reliable service, support and future viability
Future viability for machines with this generation of electronics no longer 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.
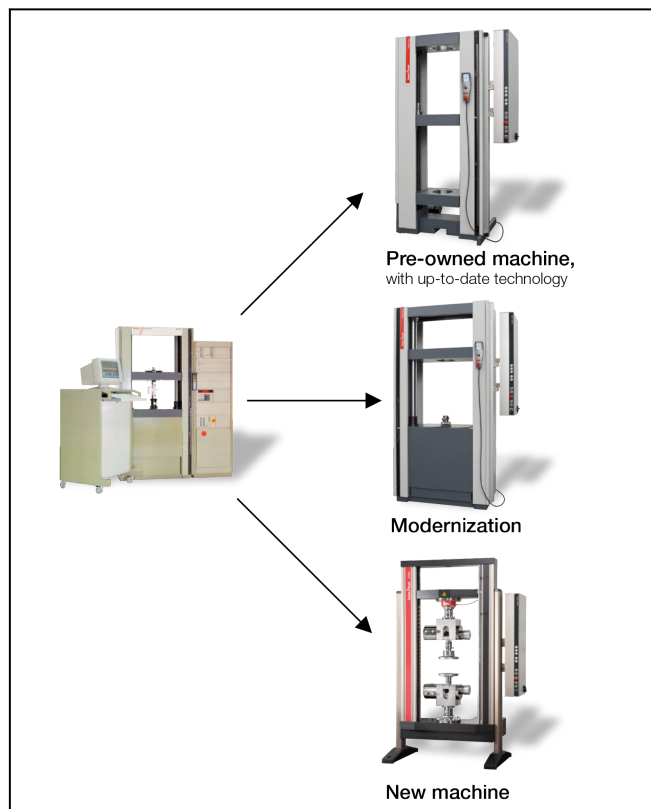
testControl electronics: limited serviceability and future viability
The future viability of machines with this version of the electronics is now only ensured until 2026. New developments, including of the testing software, are discontinued. Furthermore, in current Microsoft operating systems, the RS232 interfaces usually installed are no longer supported for security reasons. Use of the machine in the company network is therefore critical. Hardware developments for an even higher standard in the reliability of test results for the extensometer product families have not been offered for testControl for some time now. Finally, the global shortage of electronic components, some of which are more than 20 years old, is leading to a dramatic increase in delivery times and purchase prices. Even now, it is no longer economically viable to replace spare part components. We are still able to comply with the promised support for machines up to 10 years old, however, we recommend an immediate modernization to testControl II technology using components that are installed in new machines and are therefore promptly and cost-effectively available.

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Pre-owned machine,
with up-to-date technology

Modernization

New machine

The route to new technology

A comprehensive range of accessories is available from ZwickRoell.

The path to new technology
ZwickRoell offers three paths to up-to-date and future-proof testing technology. Based on your preferences and requirements, you can choose from the following options:
- Pre-owned machine
- Modernization
- New machine

The advantages of modern technology
Service reliability:
- Extension of the life of your testing machine by many more years
- Serviceability for another ten years
- Guaranteed spare parts availability for another ten years
- Quick assistance via the hotline
- Quick procurement of spare parts, usually within 24 hours
- Fast on-site support by our local service technicians in the event of failure or malfunctions
- Short downtime
- Latest version of testXpert testing software

Future upgradeability:
- Compliance with new standards through up-to-date testing technology
- Improved accuracy through the use of highly sensitive sensors
- Reproducibility via optimal software support
- New possibilities through our comprehensive range of accessories—everything from specimen grips to temperature chambers can be retrofitted
- Implementation of the latest Windows operating systems, including Windows 10 / 11, for optimal integration into your IT environment

All data at ambient temperature.

Subject to change in the course of further development.