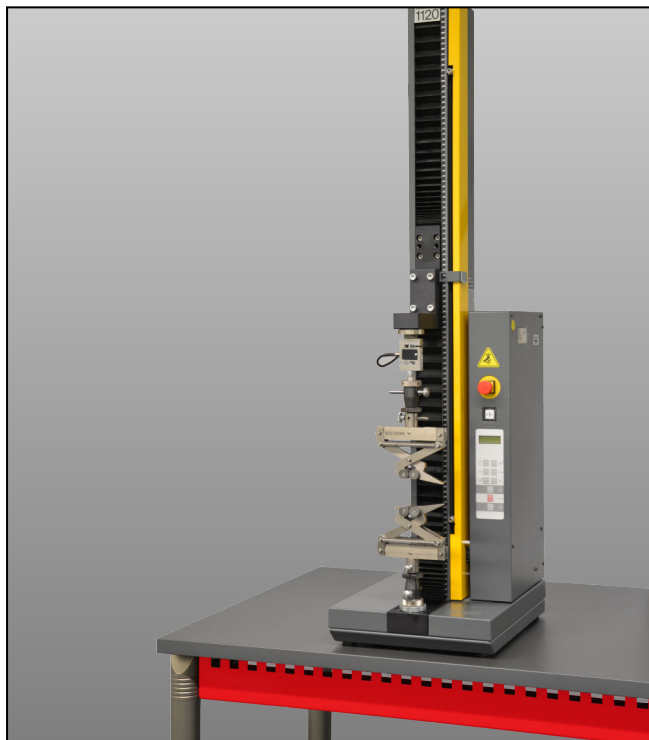


## Product Information

### RetroLine testControl II zwickiLine

CTA: 39664 127625



zwicki 1120 with MOPS before modernization



zwicki 1120 after modernization with testControl II

#### Advantages and features

As well as providing modernization packages for large testing machines, ZwickRoell also carries out modernizations on machines with low nominal loads. zwickiLine modernizations are performed exclusively at Zwick-Roell's premises in Ulm.

- over 20 years' experience in modernizing materials testing machines
- warranty for newly installed components, as with new machines
- renewed long-term service and support
- rapid assistance via Hotline and in the event of repairs
- testControl II measurement and control electronics satisfy the most demanding safety requirements
- enables validation of the testing machine in accordance with the latest quality standards
- intelligent testXpert III testing software
- re-use of expensive components such as extensometers and specimen grips
- existing load cells converted and re-calibrated
- new digital DC servo drive employed

#### 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 testxpert III testing software or modern sensor technology, cannot generally be used in conjunction 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.

As of 8 April 2014 Microsoft has ended support for Windows XP; this represents a relatively high potential security risk. For the use of Windows 7 in conjunction with MOPS electronics, ZwickRoell is only able to supply a testXpert II version "frozen" in 2011 and excluded from future developments.

ZwickRoell guarantees spare-part availability and technical service and support for ten years following discontinuation of a generation of electronics. This ten-year period ended on 31 December 2016. ZwickRoell will endeavor to provide assistance after this date wherever possible, but obtaining spare parts and providing technical support is becoming increasingly difficult.

## Product Information

### RetroLine testControl II zwickiLine

Description	Value
<b>Machine electronics</b>	
Number of available slots for measurement and control modules:	
Synchronized module slots	2 (expandable to 5) <sup>1)</sup>
Synchronized PCIe slots	1
Force measurement	Class 0.5/1, depending on load cell, compliant to DIN EN ISO 7500-1, ASTM E4
Measurement range	Up to 165% of Fmax <sup>2)</sup>
Calculated resolution (e.g., load cell in tensile/compression direction)	24 bit
Effective resolution in tensile/compression direction:	
DCSC module	19 bits (corresponds to ±512,000 points)
USC module	20 bits (corresponds to ±1,000,000 points)
Measured value recording rate	400 kHz
Measurement value transmission rate to PC	500 (optional 2000) Hz
Zero-point correction	Automatic, at start of measurement
Measurement signal run-time correction for all channels	Yes
Interface to PC	Ethernet
Eco mode	Yes, automatic switch off of power section (time can be set)
CE conformity	Yes, according to Machinery Directive 2006/42/EC

1) A DCSC module is included in the scope of delivery (occupies one module slot). The drive requires an optional module slot.

2) For load cells with Fmax 2.5 kN: up to 130% of FN

Description	Value
<b>Electrical supply data</b>	
Electrical connection (Ph, N, PE)	100 to 240 V
Tolerance range	±10 %
Power consumption (full load), approx.	500 VA
Power frequency	50/60 Hz

#### RetroLine testControl II zwickiLine modernization packages (more on request)

Description	Item number
zwicki Z1.0/TH with V= 1800 mm/min and test-area height 1373 mm	<b>1001959</b>
zwicki 1120.2x with V= 800 mm/min and test-area height 1373 mm	<b>1002615</b>
zwicki 1120.2x with V= 1800 mm/min and test-area height 850 mm	<b>1004610</b>
zwicki 1120.2x with V= 1800 mm/min and test-area height 1373 mm	<b>091309</b>
zwicki 1120.2x.0x with V= 800 mm/min and test-area height 850 mm	<b>091310</b>
zwicki Z2.5/TN with V= 800 mm/min and test-area height 573 mm	<b>1007677</b>
zwicki Z2.5/TN with V= 800 mm/min and test-area height 850 mm	<b>1000411</b>
zwicki Z2.5/TN with V= 800 mm/min and test-area height 1073 mm	<b>091285</b>
zwicki Z2.5/TS with V= 800 mm/min and test-area height 573 mm	<b>091736</b>
zwicki Z2.5/TH with V= 800 mm/min and test-area height 1373 mm	<b>091317</b>