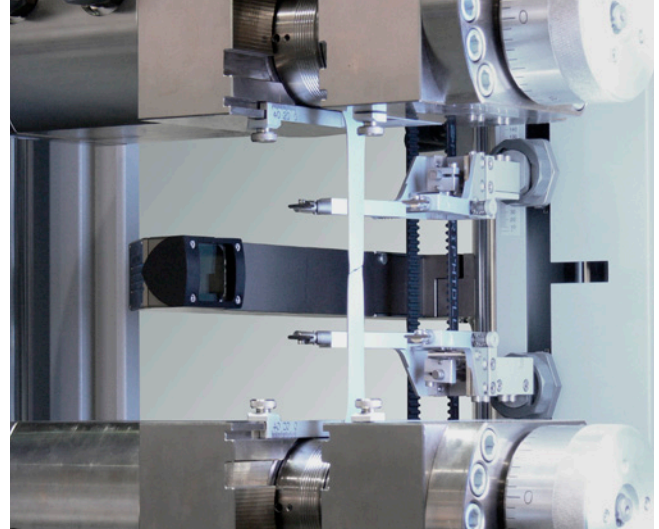
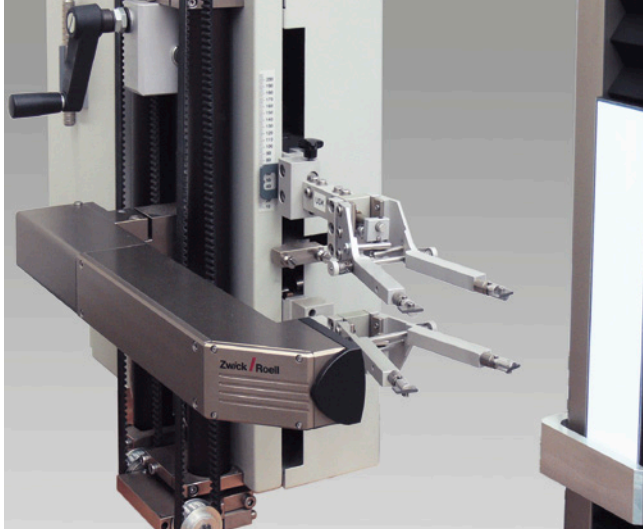


Product Information

videoXtens transverse strain extensometer



videoXtens' non-contact, high resolution transverse strain measurement allows determination of r-values to ISO 10113.

- No moving mechanical parts are used, resulting in a wear-free system and eliminating costly spares and recurrent servicing
- No specimen marking is required - videoXtens uses a sophisticated edge-detection algorithm
- The non-contact measurement principle eliminates contact forces in the transverse direction, allowing thin and sensitive specimens to be tested
- The width can be determined at one or more locations (measuring lines). This allows measurement of offset yields in tensile tests to ISO 6892-1, together with r-values to ISO 10113 and ISO 10275
- Compared with traditional mechanical systems, the optical measuring system can be used for testing specimens using very small gage lengths (from 15 mm)

The videoXtens transverse strain extensometer can be combined with makroXtens®, multiXtens and laserXtens.

The perfect combination for metals and automobile industry: videoXtens & makroXtens®

The combination of the videoXtens transverse strain extensometer with the makroXtens® provides an ideal contact/optical strain measurement system for the metals and automobile industry.

The system is easy to set up and operate, while its high durability and low wear make it ideally suited to integration into testing facilities using robot systems.

Both extensometers offer extremely high accuracy for their class and excellent reliability.

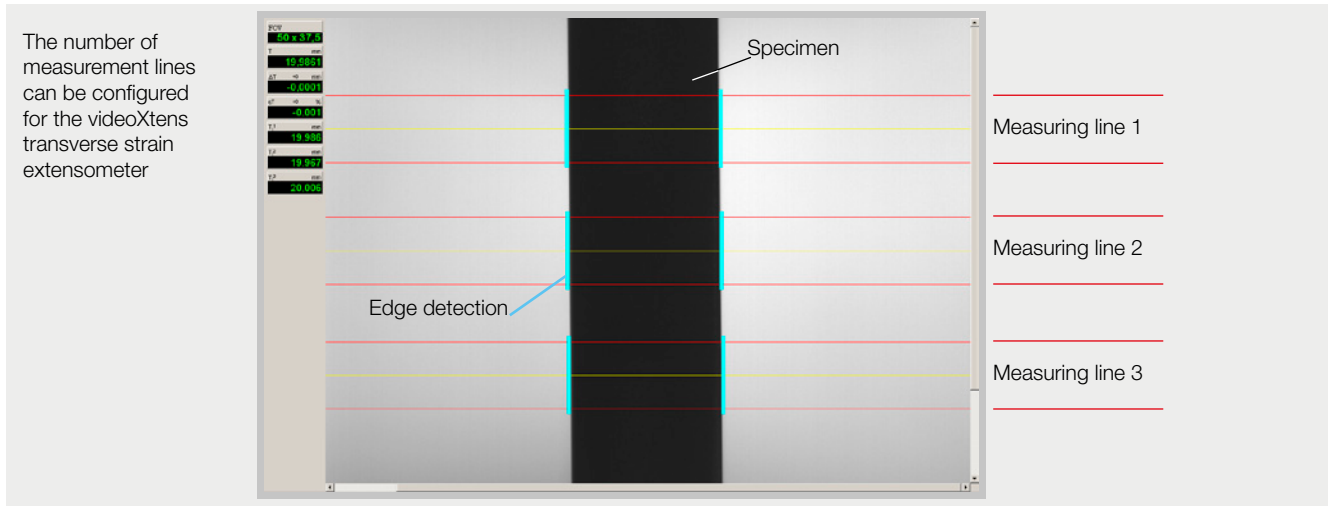
The main area of application is close to production testing of sheet metals and strips used for forming car body sheets or structural sheets.

Product Information

videoXtens transverse strain extensometer

videoXtens transverse strain extensometer	
Item number	034025
Field of view	
Width	50 mm
Height	37.5 mm
Total height	44 mm
Specimen width	up to 40 mm
Grip-to-grip-separation	50 mm
Resolution	0.25 µm
Accuracy class	1 according to EN ISO 9513
Max. measurement rate	166 Hz
Temperature range	+10 °C to +35 °C
Weight	approx. 1.5 kg
Suitable for use in combination with	makroXtens®, multiXtens and laserXtens
Scope of supply	Measurement head with digital camera Software for image acquisition and analysis Accessories for calibration Backlight screen with installation kit for load frame

A free slot is required in the *testControl* electronics.



Required accessories

Description	Item number
Basic package for videoXtens: The basic package is either with workstation with Windows XP, 23" TFT- Screen or with Windows 7 / 32 bit, 23" TFT- Screen available. The manual is in German or in English available.	various
Mounting unit for videoXtens transverse strain extensometer	
- For mounting to makroXtens®	013613
- For mounting to multiXtens	013614
- For mounting to laserXtens / laserXtens Array	049528 ⁽¹⁾

⁽¹⁾ For use in transverse strain measurements in combination with the laserXtens attachment, if laserXtens is aimed at the edge of the specimen. Otherwise, the transverse strain measurement is made via option second measurement axis for laserXtens (034032).