wylerSPEC

Smart – Powerful – Exact – Comprehensive

intuitive - flexible - modular - multifaceted
Software by WYLER AG – developed for you!

WYLER AG
INCLINATION MEASURING SYSTEMS

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The software wylerSPEC software stands out through:

- User friendliness
- Straightforward interpretation of results
- Adaptability to your measuring tasks
- Modular design
- Efficient – time can be saved thanks to simultaneous measurements of multiple variances
- Integration of laser interferometers and autocollimators

Efficient measurement of machine tools:
- for increasing quality requirements
- for high-precision machines

For more than 30 years, WYLER AG has been supplying software to execute this very task easily, quickly and precisely.

The wylerSPEC software replaces our software packages of LEVELSOFT PRO and MT-Soft. Thanks to its user-friendliness and informative display of readings, it is even easier to set up, calibrate, and measure machines.

The integration of laser interferometers and autocollimators makes it possible to record all the desired parameters of a machine with a single software solution.
wylerSPEC – the ideal software for assessing your machines

Machine beds
Guide ways

Shafts
Rotating machine elements

Roll, pitch and yaw

Straightness
Parallelism
Flatness

Circular horizontal paths

Flatness and parallelism of surfaces

Universal:
wylerSPEC makes it possible to input measurement readings not only from WYLER inclination measuring instruments tools, but also from laser interferometers and autocollimators.

Fingerprint:
wylerSPEC is superbly suited to creating a fingerprint of your machines. Any errors are detected and eliminated in a timely fashion.
Main target group applications

- Calibration laboratories
- Simple machines
- Service technicians
- Moving machine tools
- Maintenance
wylerSPEC – the right software for your application

- Service technicians
- Moving machine tools
- Maintenance
- Manufacturer of machine bases
- Manufacturer of machine tools
- Retro fit of machine tools
- Repair of machine tools
Module 1 – Lines / Parallelism
Measurement of straightness and parallelism

Module 2 – Lines / Parallelism with twist
Measurement of straightness and parallelism with twist

Alignment: End points
Alignment: Absolute

Alignment: End points of reference line P1 and 1st twist line in P1
Alignment: End points of reference line P1 and 1st twist line in P1
Module 3 – Perpendicularity
Measurement of perpendicularity on machines or a granite square

Alignment: End points

Module 4 – Flatness
Measurement of flatness on granite tables or machine tool tables

WYLER Grid – aligned by ISO 1101

U-Jack – aligned by endpoints of the diagonals
**Module 5 – Circular paths**
Measurement of ring-shaped overlays consisting of one or two rings

Reference C1

Reference C2

**Module 6 – Lines / Guideways**
Measurement of horizontal and vertical guideways

Guideways – aligned by endpoints
Side alignment measurement is done with a simultaneous laser measurement
Module 7 – Rotation vertical axis
Measurement of perpendicularity of a vertical spindle to the machine table

Table aligned
Spindle aligned

Module 8 – Rotation PITCH - ROLL - YAW
Measurement of these rotations with WYLER instruments in conjunction with laser or autocollimator

Measurement of …
PITCH with BlueLEVEL
ROLL with BlueLEVEL
YAW with laser

Table movement along the arrow
Module 9 – Flatness and parallelism of surfaces
Determining the flatness and parallelism of separately measured areas of a machine

Module 10 – Own measurements
Client-specific measurement tasks

Parallelism of two surfaces
Parallelism of different areas towards the center circle
To print reports, you can choose from preconfigured standard reports, or you create your own customized reports with the help of the integrated protocol editor.
For your geometric applications you choose wylerSPEC, a part of wylerSOFT.

The wylerSPEC software seamlessly joins the line of successful wylerSOFT products: