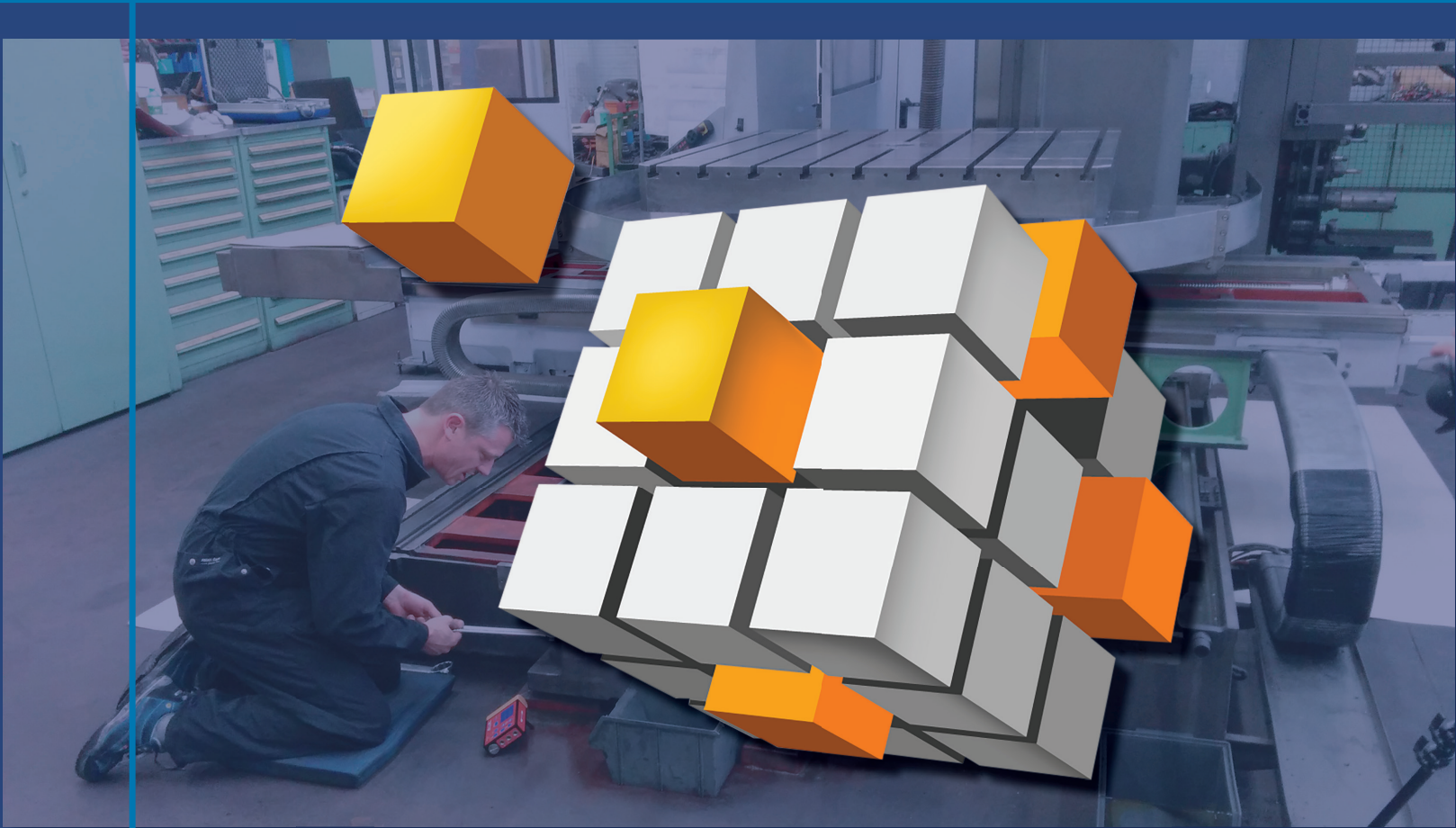


**WYLER**

# wylerSPEC

**S**mart – **P**owerful – **E**xact – **C**omprehensive



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

**WYLER AG**  
**INCLINATION MEASURING SYSTEMS**

Im Holderli 13,  
Tel. +41 (0) 52 233 66 66  
E-Mail: [wylerspec@wylerag.com](mailto:wylerspec@wylerag.com)

CH - 8405 WINTERTHUR (Switzerland)  
Fax +41 (0) 52 233 20 53  
Web: [www.wylerag.com](http://www.wylerag.com)



**Version 2018-3**

# wylerSPEC - for your geometric measurement

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.



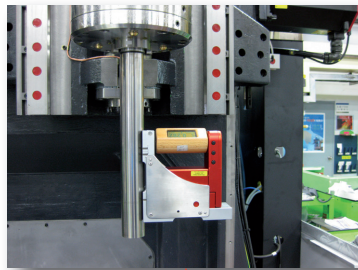
# wylerSPEC - fingerprint

wylerSPEC – the ideal software for assessing your machines

Machine beds  
Guide ways



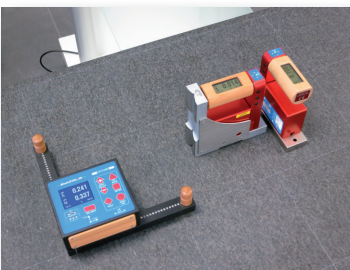
Shafts  
Rotating machine elements



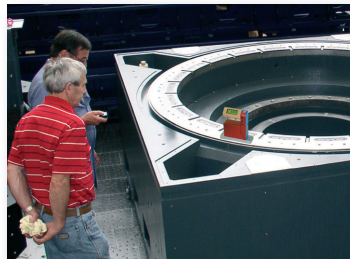
Roll, pitch  
and yaw



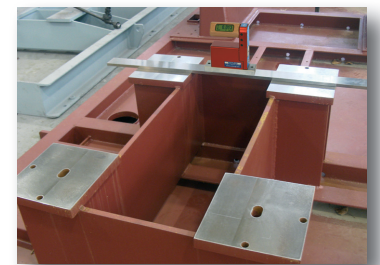
Straightness  
Parallelism  
Flatness



Circular horizontal paths

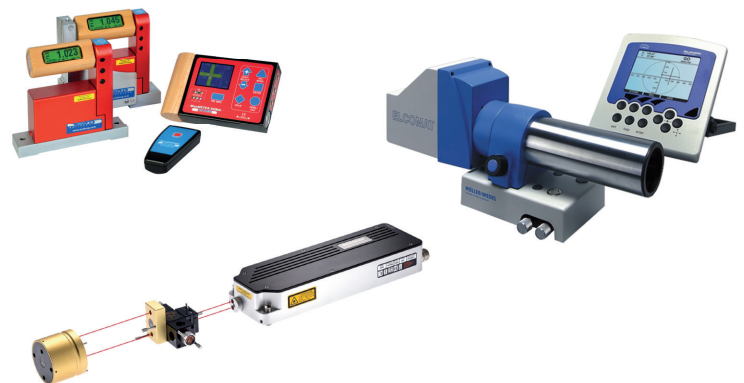


Flatness and  
parallelism of  
surfaces



## Universal:

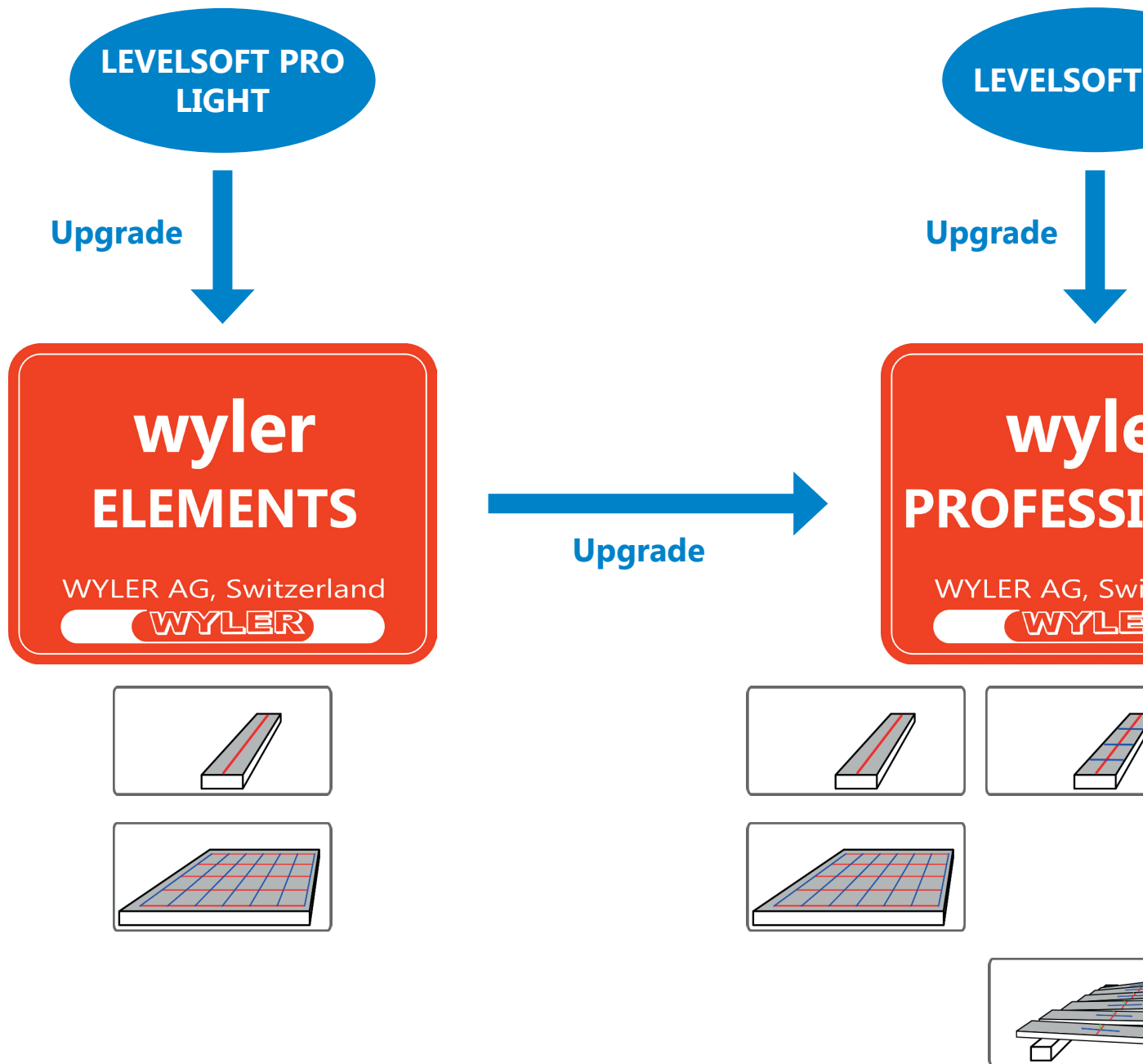
wylerSPEC makes it possible to input measurement readings not only from WYLER inclination measuring instruments tools, but also from laser interferometers and autocollimators.



## Fingerprint:

wylerSPEC is superbly suited to creating a fingerprint of your machines. Any errors are detected and eliminated in a timely fashion.

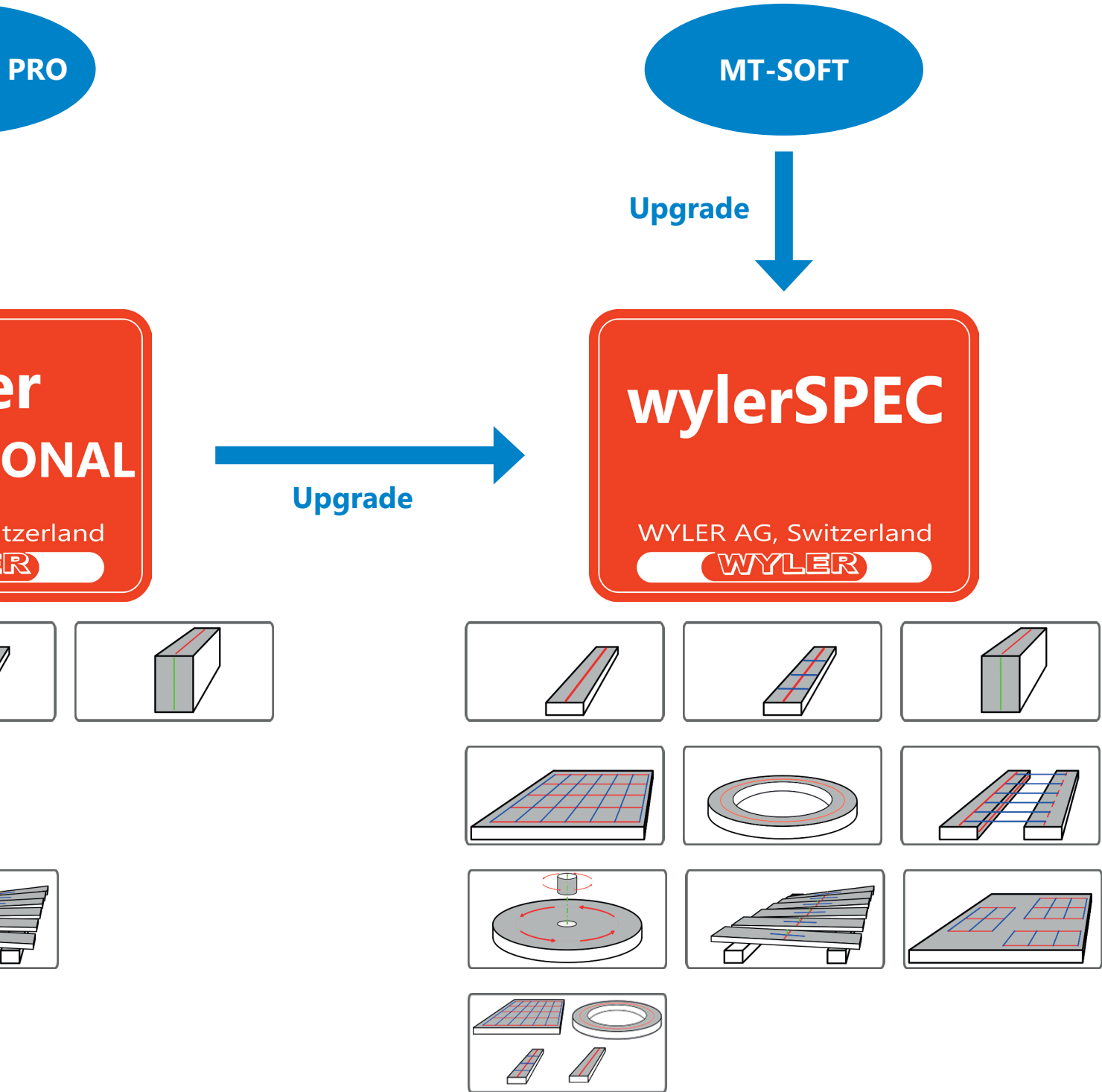




## Main target group applications

- Calibration laboratories
- Simple machines
- Service technicians
- Moving machines
- Maintenance

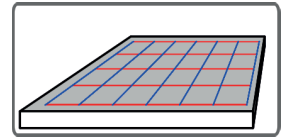
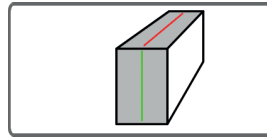
# Software for your application



ns  
e tools

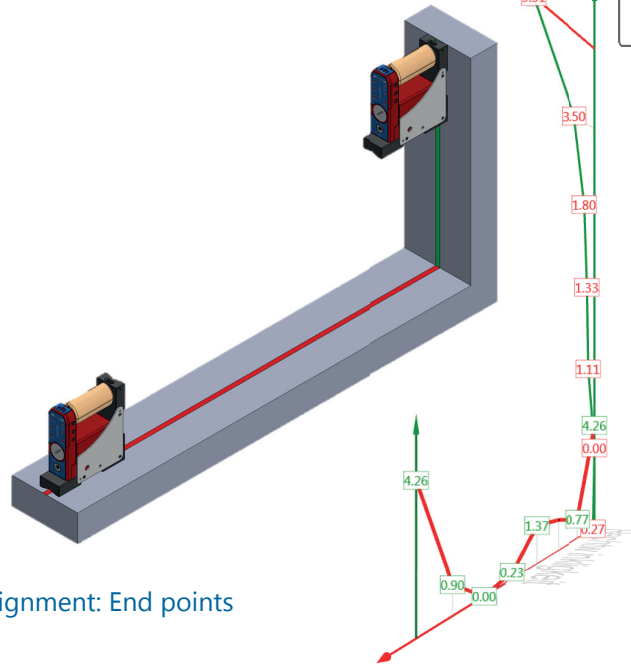
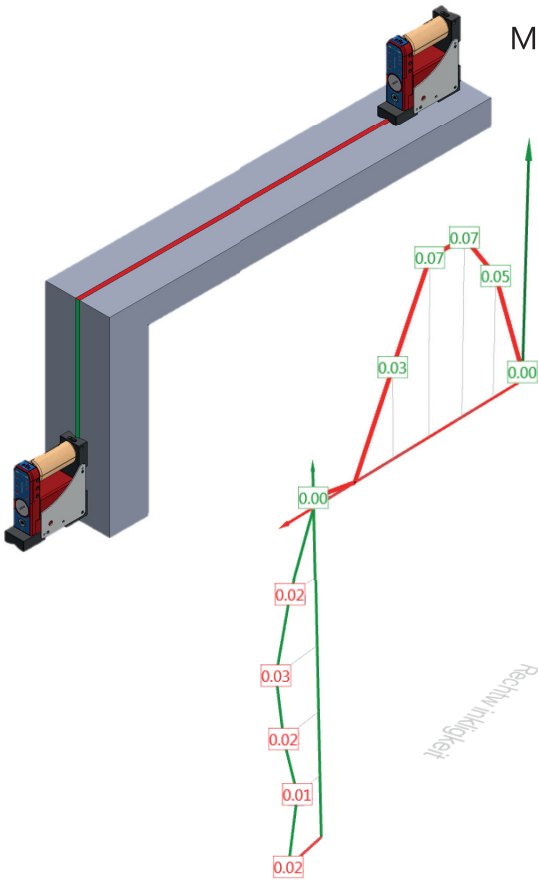
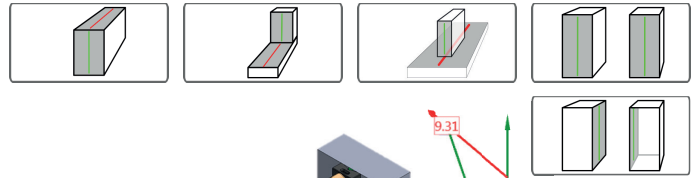
- Manufacturer of machine bases
- Manufacturer of machine tools
- Retro fit of machine tools
- Repair of machine tools





### Module 3 – Perpendicularity

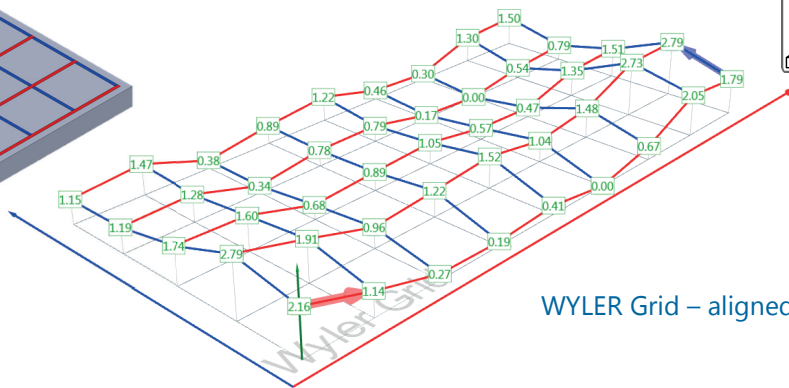
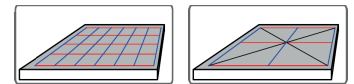
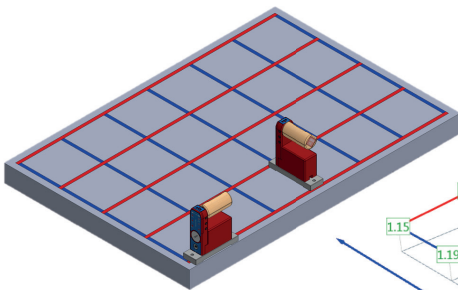
Measurement of perpendicularity on machines or a granite square



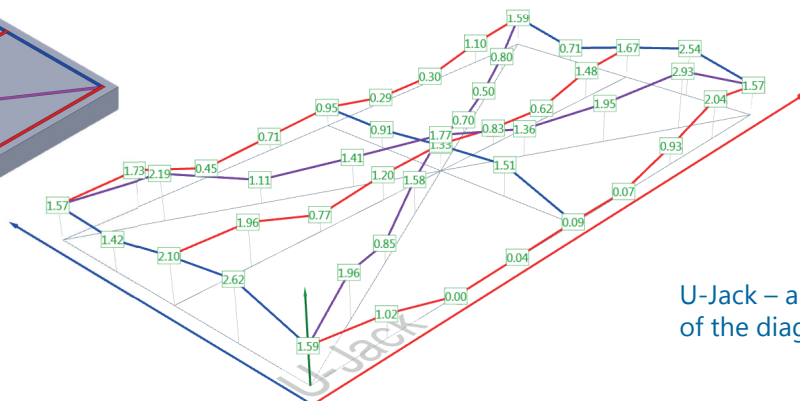
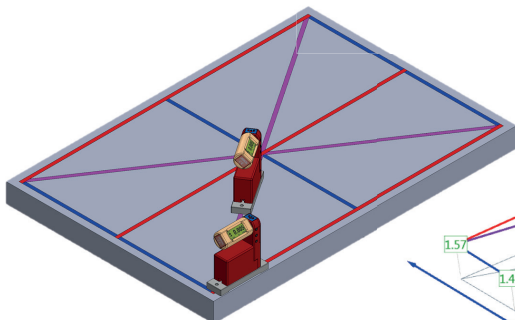
Alignment: End points

### Module 4 – Flatness

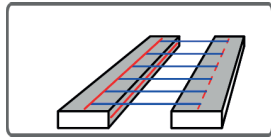
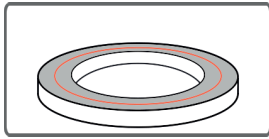
Measurement of flatness on granite tables or machine tool tables



WYLER Grid – aligned by ISO 1101

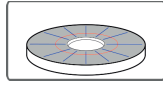
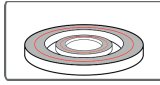
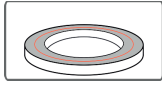


U-Jack – aligned by endpoints of the diagonals

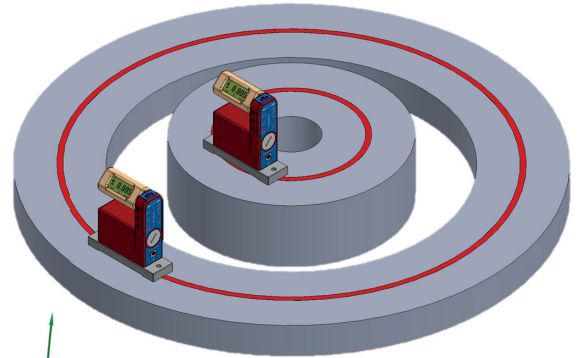
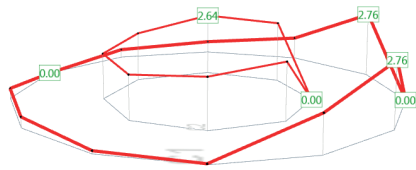


## Module 5 – Circular paths

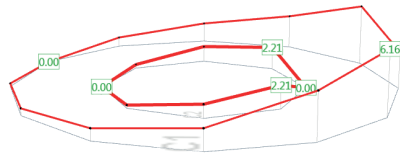
Measurement of ring-shaped overlays consisting of one or two rings



Reference C1

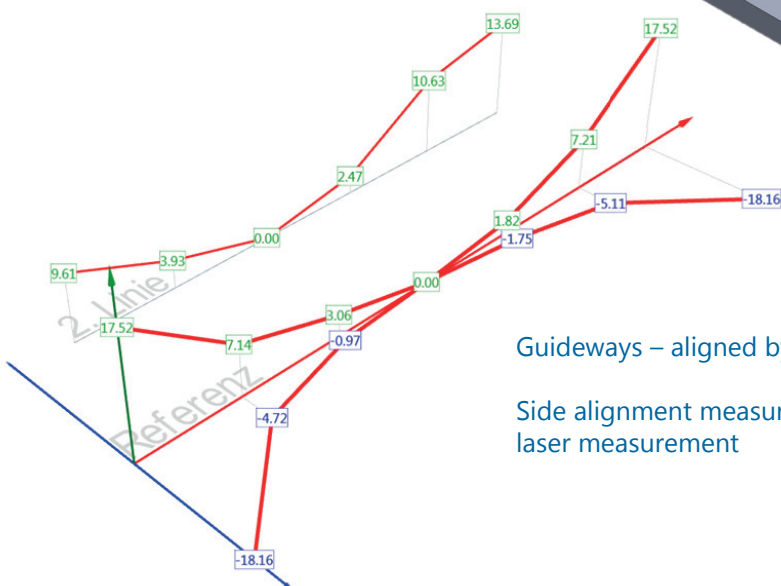
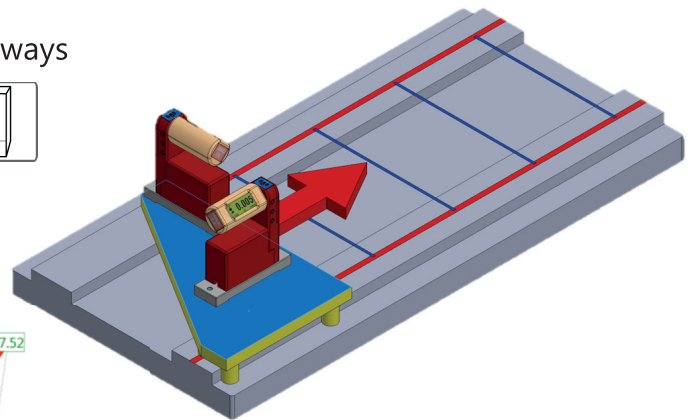
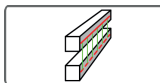
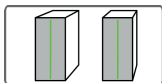
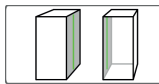
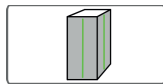
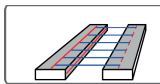
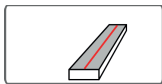


Reference C2



## Module 6 – Lines / Guideways

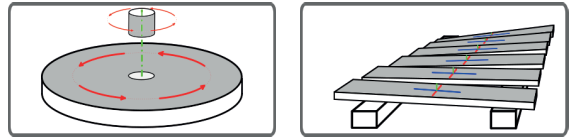
Measurement of horizontal and vertical guideways



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

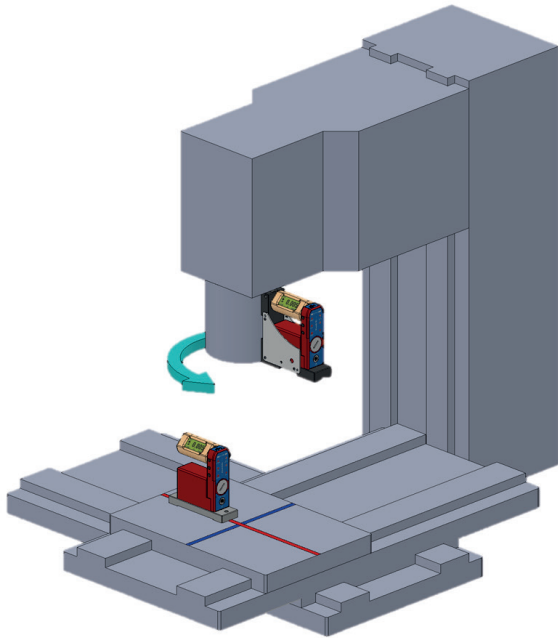
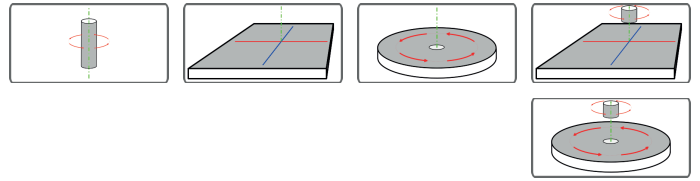
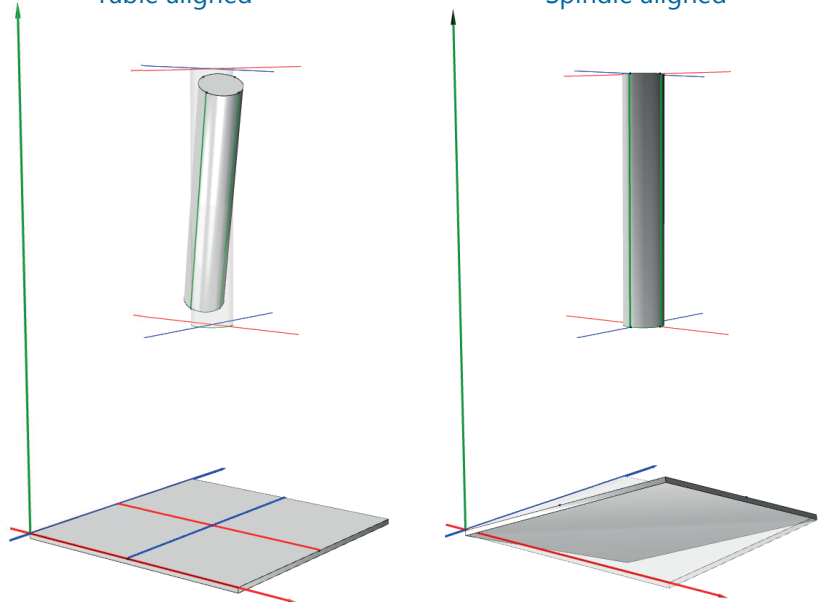


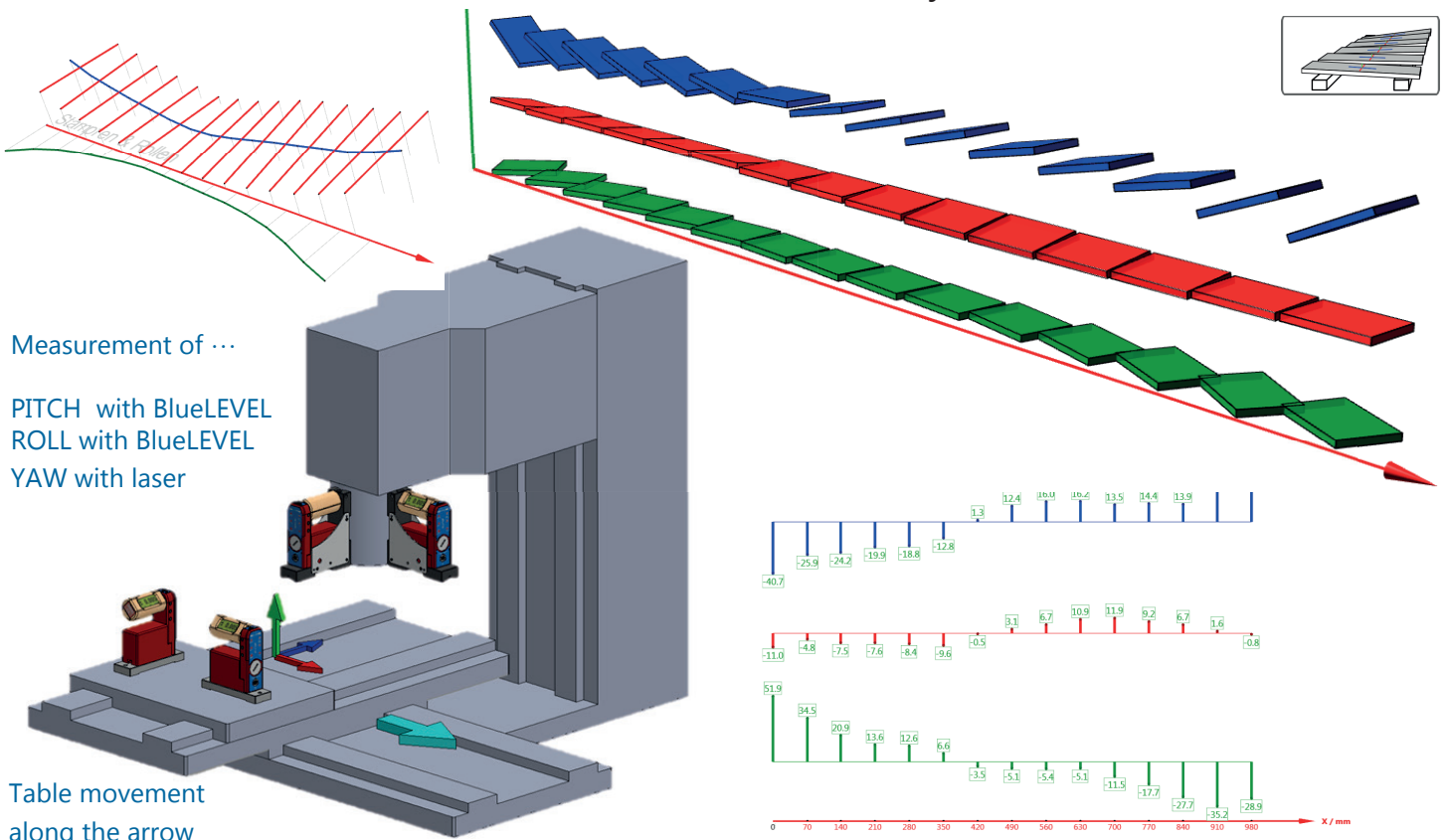
Table aligned

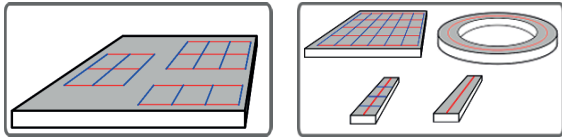
Spindle aligned



### Module 8 – Rotation PITCH - ROLL - YAW

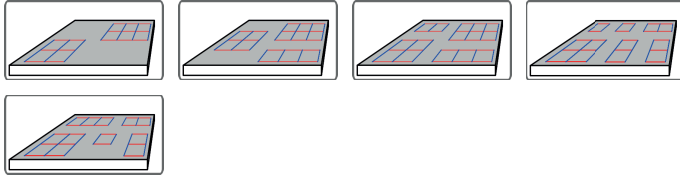
Measurement of these rotations with WYLER instruments in conjunction with laser or autocollimator



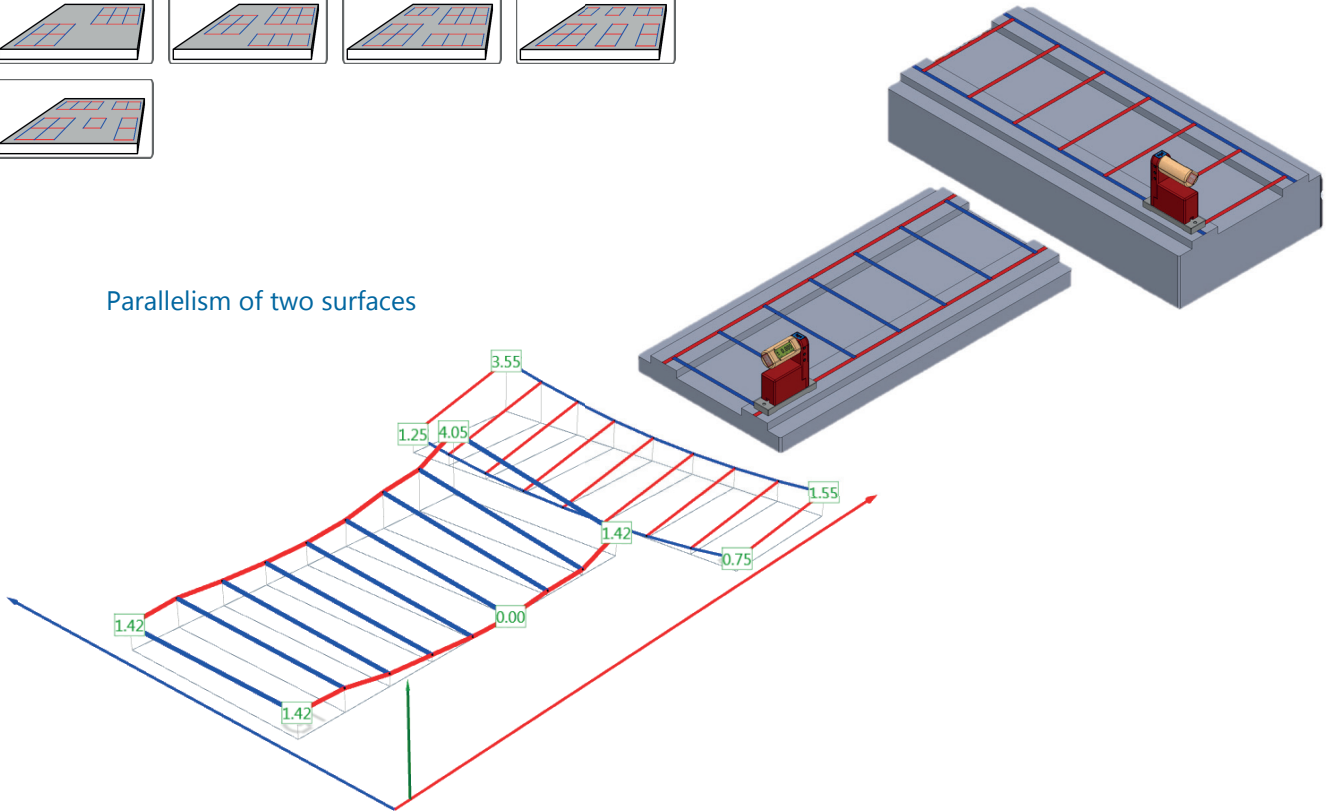


## Module 9 – Flatness and parallelism of surfaces

Determining the flatness and parallelism of separately measured areas of a machine

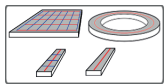


Parallelism of two surfaces

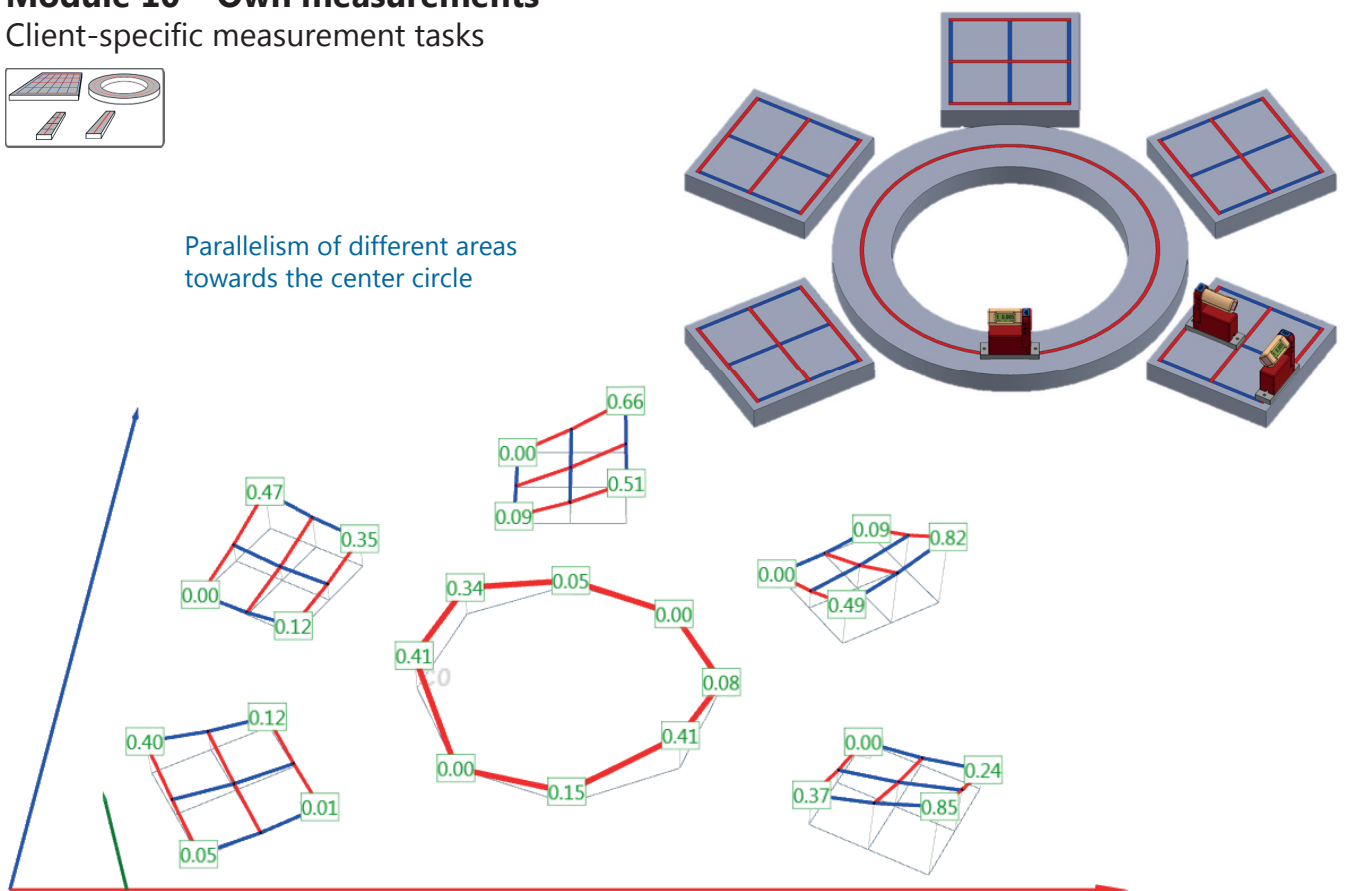


## Module 10 – Own measurements

Client-specific measurement tasks




Parallelism of different areas towards the center circle



























# wylerSPEC - printout

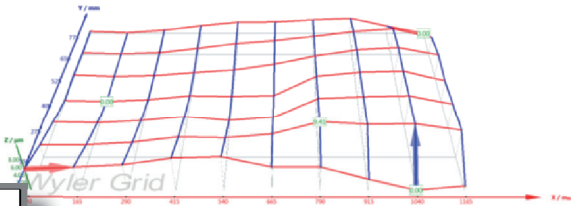
## Standard report

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.




 Name des Messtechnikers	Alexander Schrott
 Name der Messung	Platte bearbeitet 1200 x 800
 Firma	WYLER AG
 Kunde	Kunde Schweiz AG
 Auftrag	18/105704
 Objekt	Mess- und Kontrollplatte
 Serien Nummer	Demo-Platte
 Startdatum	13.02.2018 08:42:50
 Enddatum	13.02.2018 09:18:17
 Temperatur begin	21.1 °C
 Temperatur ende	21.2 °C
 Mess-Beschreibung	Referenzmessung WYLER / ISO 1101 / DIN 876-1



Messeinstellungen	Bewertung (ISO 1101)	Messgerät
Wyler Grid	Wyler Grid	 X REF ABS R1555x T3043
 Schrittanz X 125 mm	 Ebenheit 9.41 µm	 Y REF ABS R1555y T3044
 Schrittanz Y 125 mm	 Geradheit X-1 5.98 µm	
 Länge 1125 mm	 Geradheit Y-9 8.56 µm	
 Breite 750 mm	 Korrekturindex 0.33 µm	 Streugrenze 1.0 µm/m
	 DIN 876 1	



WYLER AG  
CH-8405 Winterthur  
www.wylerag.com



### Kalibrier-Zertifikat

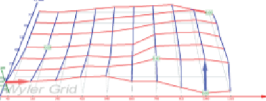







Zertifikats-Nummer 1802702

Akkreditierungs-Nummer SCS 0044

Seite 1 von 2 Seiten

Kunde	Kunde Schweiz AG Kundenstrasse 8 CH-8400 Kundenort	Auftragsnummer 18/105704
Hersteller	WYLER AG Im Hölderli 13 CH-8405 Winterthur	
Objekt	Mess- und Kontrollplatte	
Abmessung	1200 x 800 x 180 mm	
Material	Hartgestein	
Aufstellungsort	Werkhalle	
Serien Nummer	Demo-Platte	
Temperatur Anfang	21.1 °C	
Temperatur Ende	21.2 °C	
Ebenheit	9.41 µm	
Streugrenze	1.0 µm/m	
Messunsicherheit	1.5 µm	



Messgerät		
 X	ABS	R1555x
 X REF		T3043
 Y	ABS	R1555y
 Y REF		T3044

Prüfer Alexander Schrott

Datum / Uhrzeit 13.02.2018 09:18:17

Messprinzip Die Software wylerSPEC übernimmt die Messwerte direkt von den Messgeräten. Die Auswertung erfolgt im überbestimmten Gittersystem, ausgerichtet nach ISO 1101. Die Messung wird gemäss "Kalibrieranweisung für Flächenmessung" SCS\_Kal\_04 durchgeführt.


Leiter der Kalibrierstelle

Datum 02.08.2018 Peter Breu



Der Inhalt dieses Zertifikates darf nur in vollständiger Form veröffentlicht oder weitergegeben werden und bedarf der Genehmigung der ausstellenden Kalibrierstelle

## Two pages customized report

WYLER AG  
CH-8405 Winterthur  
www.wylerag.com



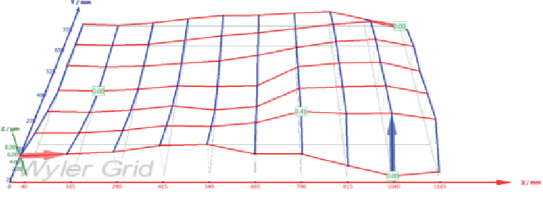
### Kalibrier-Zertifikat












Zertifikats-Nummer 1802702

Akkreditierungs-Nummer SCS 0044

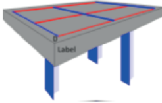
Seite 2 von 2 Seiten



Bewertung (ISO 1101)		Messeinstellungen	
Wyler Grid	Ebenheit 9.41 µm	Wyler Grid	 Schrittanz X 125 mm
 Geradheit X-1 5.98 µm	 Schrittanz Y 125 mm	 Länge 1125 mm	 Breite 750 mm
 Geradheit Y-9 8.56 µm	 Korrekturindex 0.33 µm		
 DIN 876 1			

Ausrichtungsmethode ISO 1101

Schliesfehlerkorrektur Philips

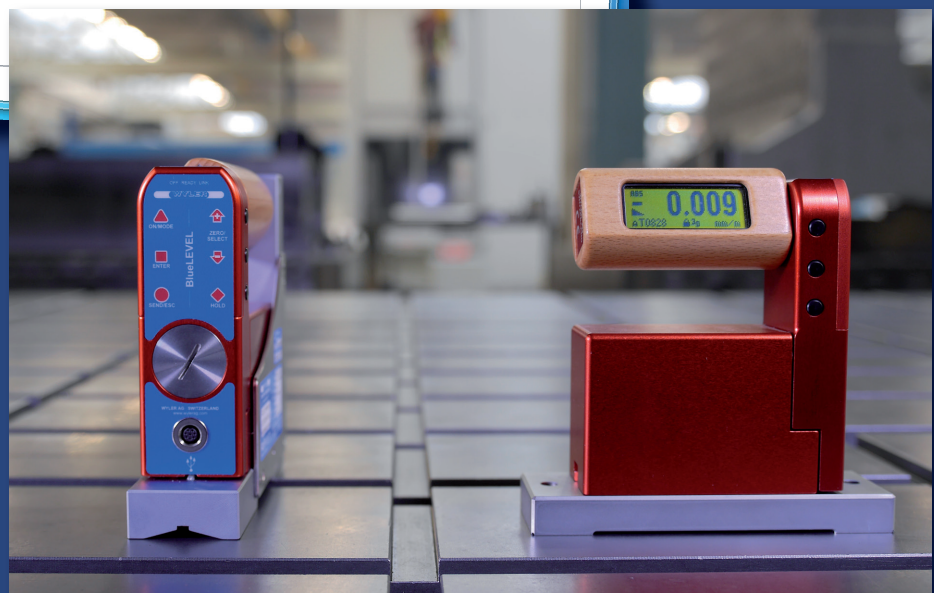
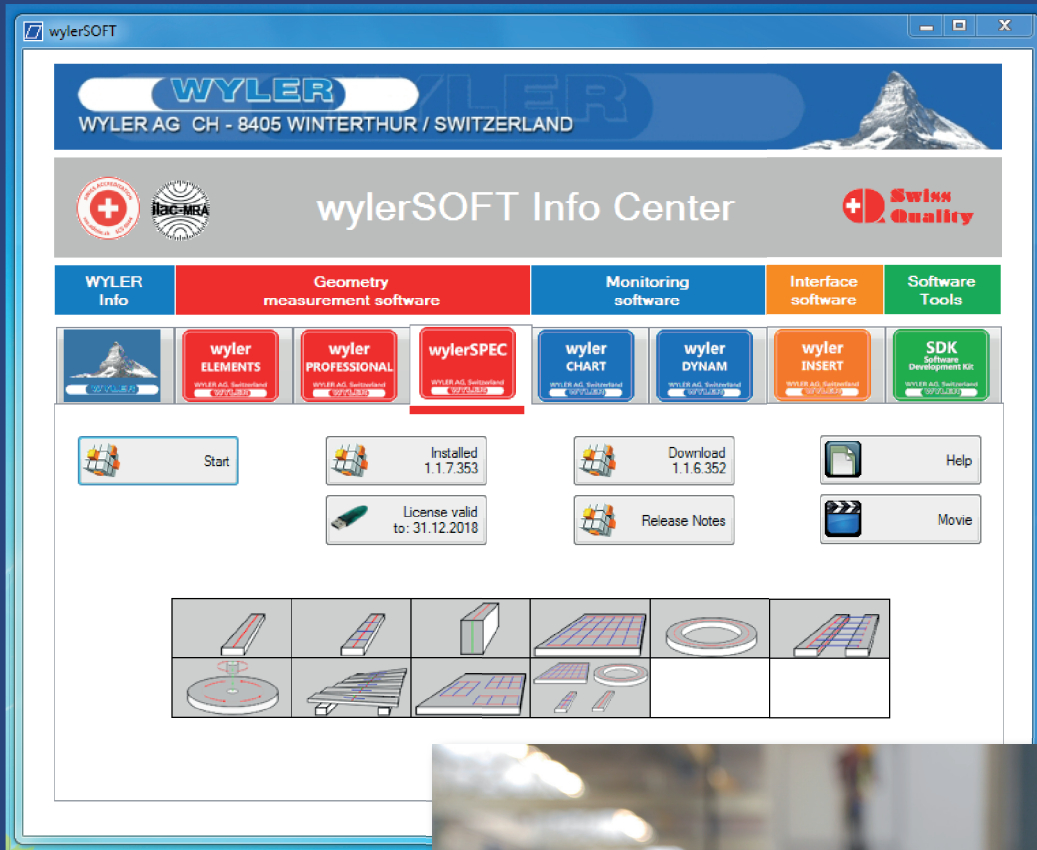
Orientierung 

Der Koordinaten-Nulldpunkt des Messgitters entspricht dem linken Ende der Platten-Stirnseite, an der die Etikette aufgeklebt ist, beziehungsweise der einzelne Auflagepunkt links liegt.

Der Inhalt dieses Zertifikates darf nur in vollständiger Form veröffentlicht oder weitergegeben werden und bedarf der Genehmigung der ausstellenden Kalibrierstelle

# For your geometric applications you choose wylerSPEC, a part of wylerSOFT

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



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Videos WYLER AG  
Quality - Innovation - Service



Facebook Channel WYLER AG  
[www.facebook.com/wylerSWISS](https://www.facebook.com/wylerSWISS)