WYLER
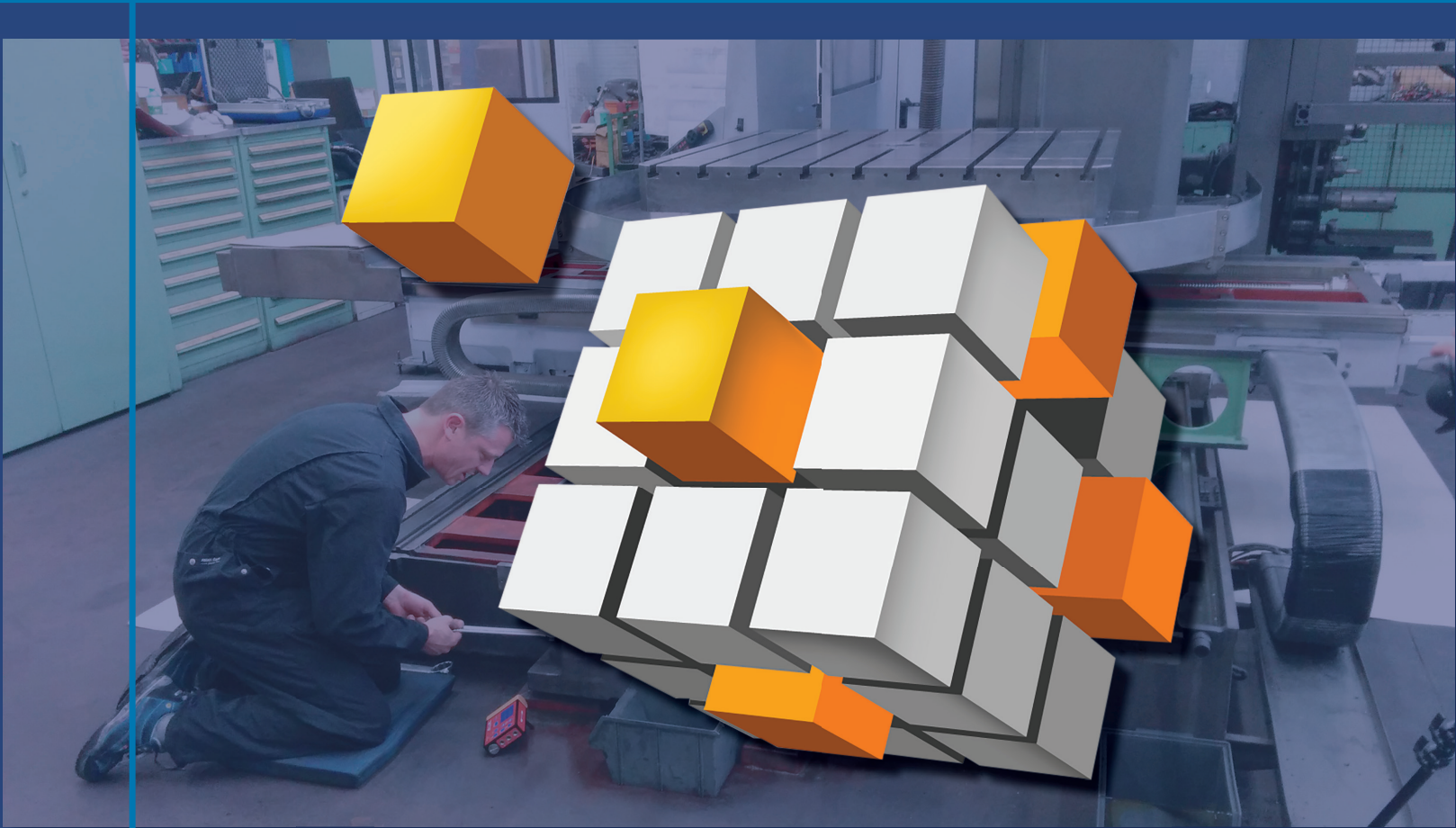
wylerSPEC

Smart – Powerful – Exact – Comprehensive

intuitive - flexible - modular - multifaceted

Software by WYLER AG – developed for you!

WYLER AG

INCLINATION MEASURING SYSTEMS

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ilac-MRA

SWISS ACCREDITATION
scs.admin.ch　SCS 0044

Swiss Quality

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
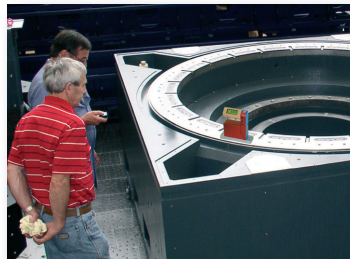Guide ways

Shafts
Rotating machine elements
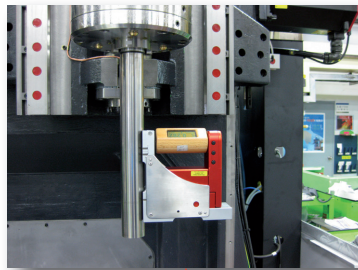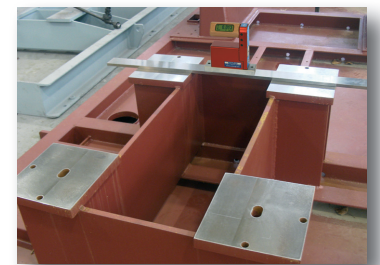
Roll, pitch
and yaw

wylerSPEC

Straightness
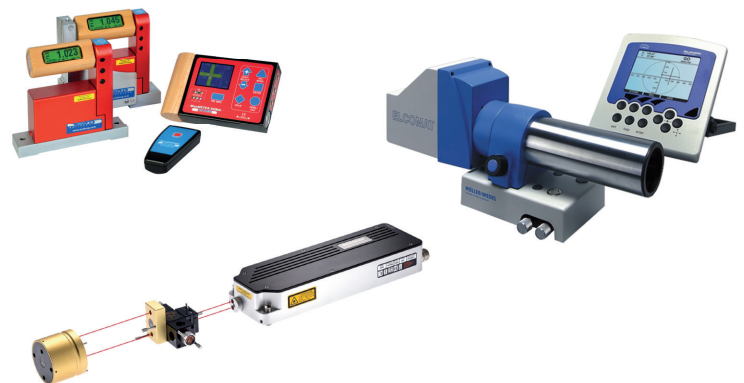Parallelism
Flatness
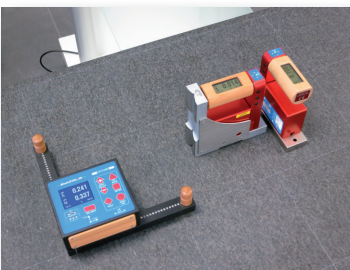
Circular horizontal paths
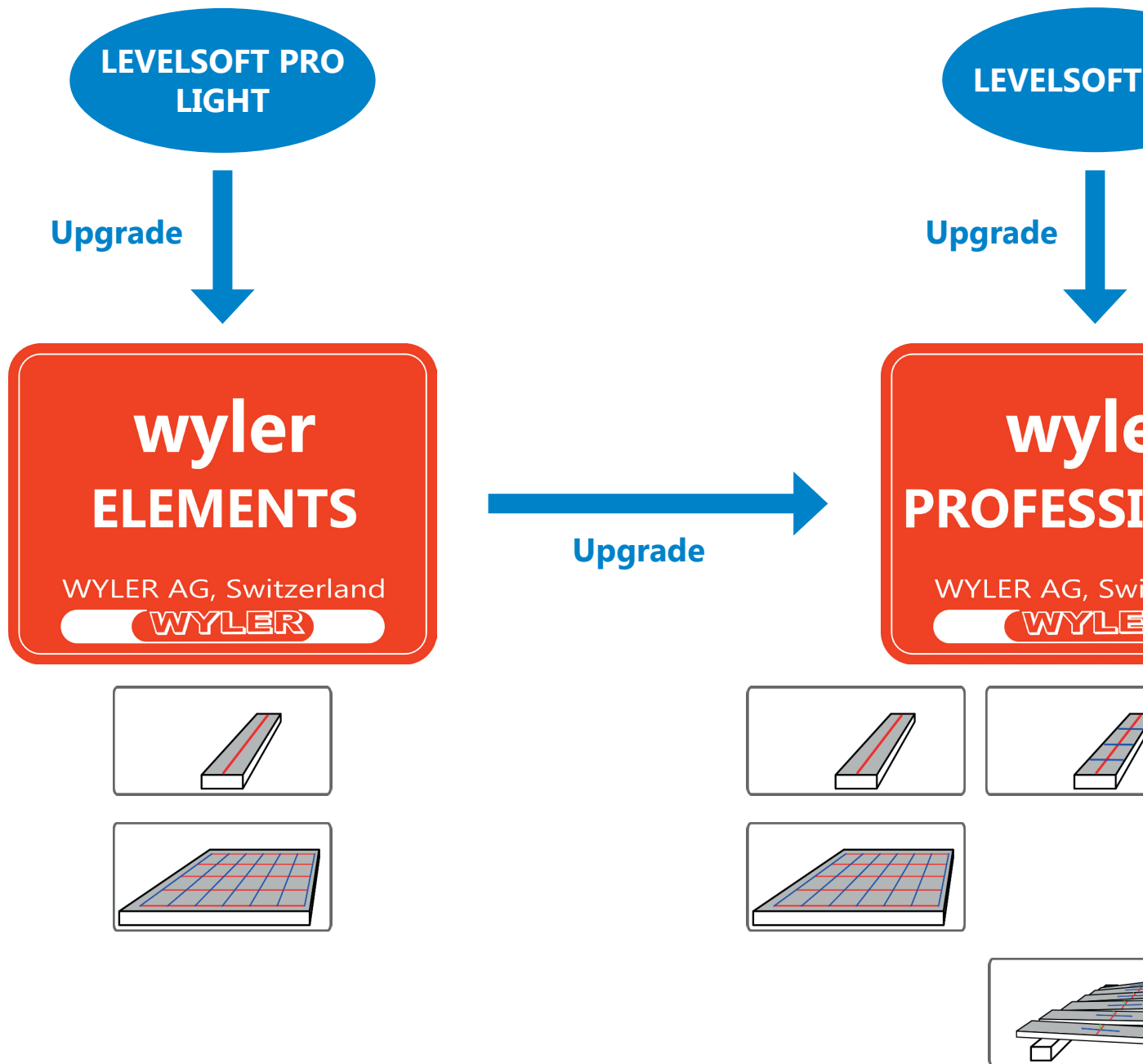
Flatness and
parallelism of
surfaces

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.

LEVELSOFT PRO LIGHT

Upgrade

wyler
ELEMENTS

WYLER AG, Switzerland

WYLER

LEVELSOFT

Upgrade

wyle
PROFESSI

WYLER AG, Swi

WYLER

Upgrade

Main target group applications

- Calibration laboratories
- Simple machines

- Service technicia
- Moving machine
- Maintenance

ftware for your application

MT-SOFT

Upgrade

ler
ONAL
tzerland
ER

Upgrade

wylerSPEC

WYLER AG, Switzerland

WYLER
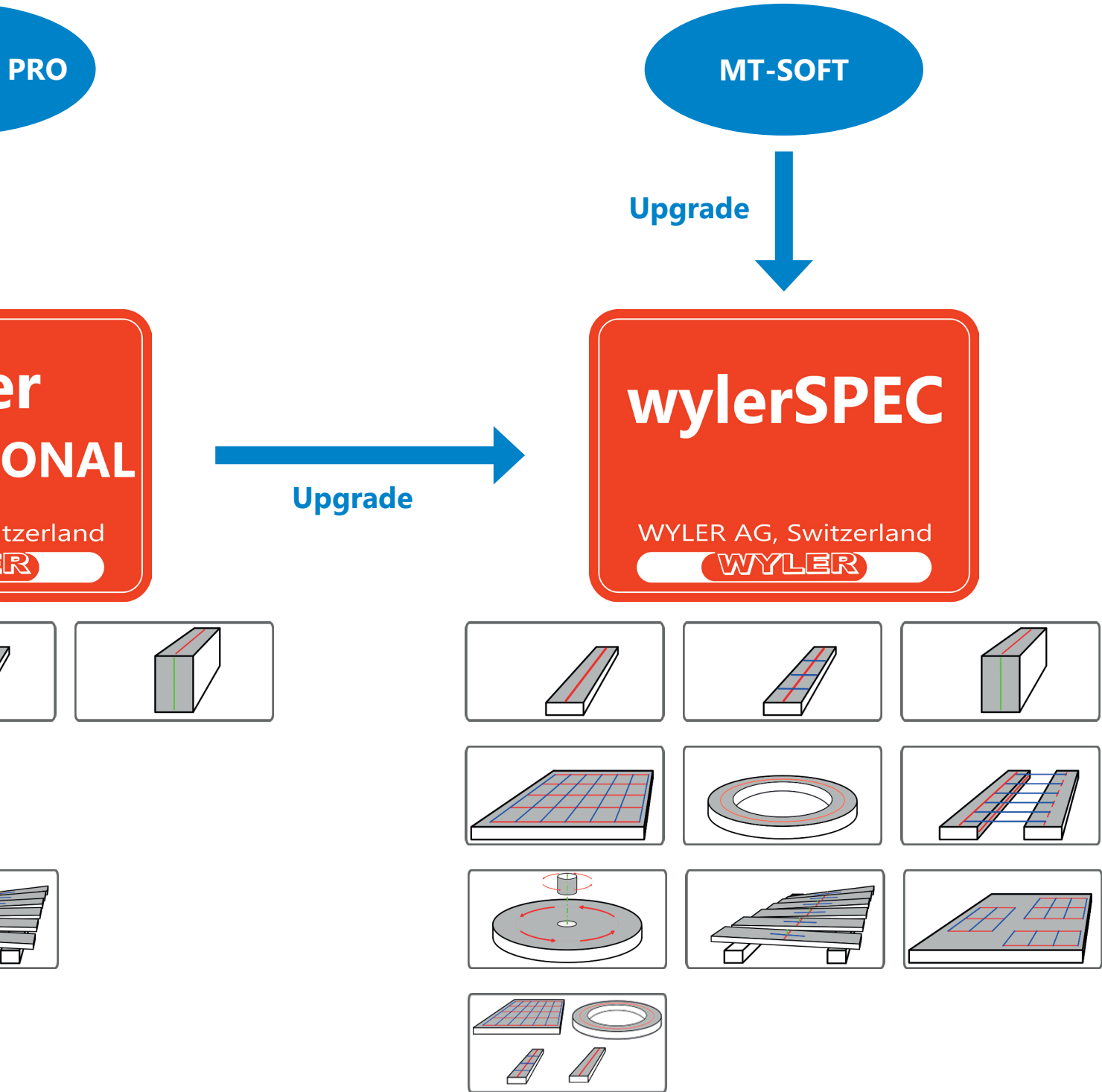
- ns
- e tools

- 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

Alignment: End points

17.72
17.81
0.00
0.00

Alignment: Absolute

35.27
23.32
4.98
0.00
0.00

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

Y / mm
X / mm
Z / µm
0.00
4.80
0.27
0.00
1.17
1.55
0.27
1.17
590
490
390
300
200
100
540
490
440
390
290
240
190
140
90
40
5.00
3.00
2.00
1.00

Alignment: End points of reference line P1 and 1st twist line in P1

Y / mm
X / mm
Z / µm
3.06
5.13
0.00
0.00
0.00
0.00
760
640
160
6.00
4.00
2.00
40

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
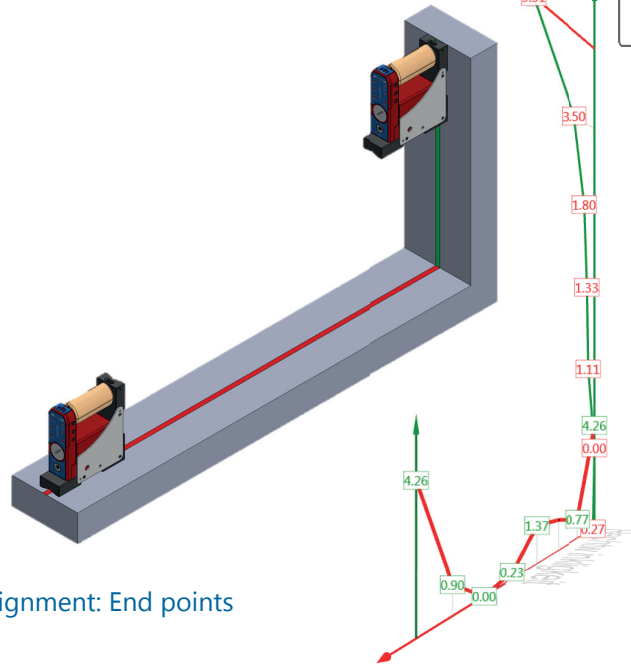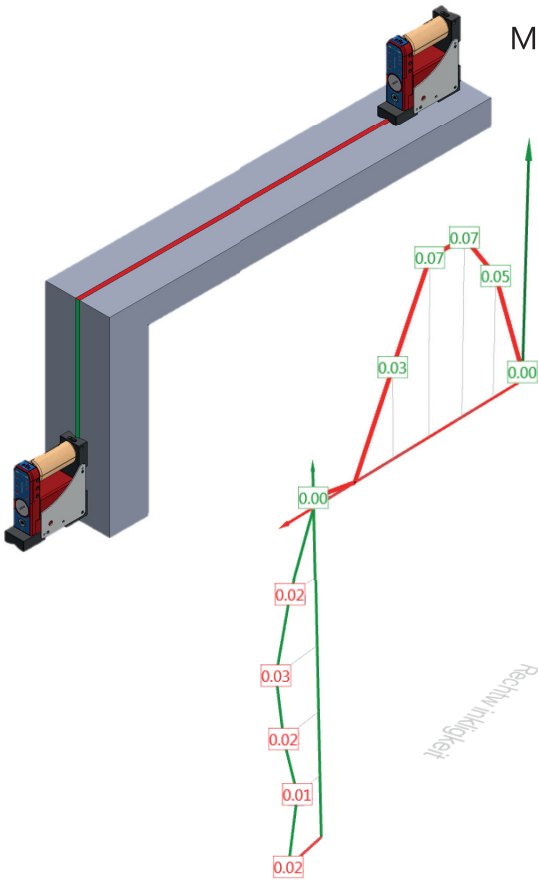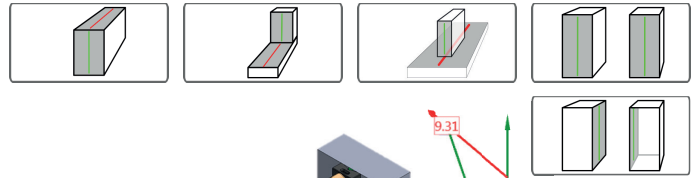
Alignment: End points

Module 4 – Flatness
Measurement of flatness on granite tables or machine tool tables
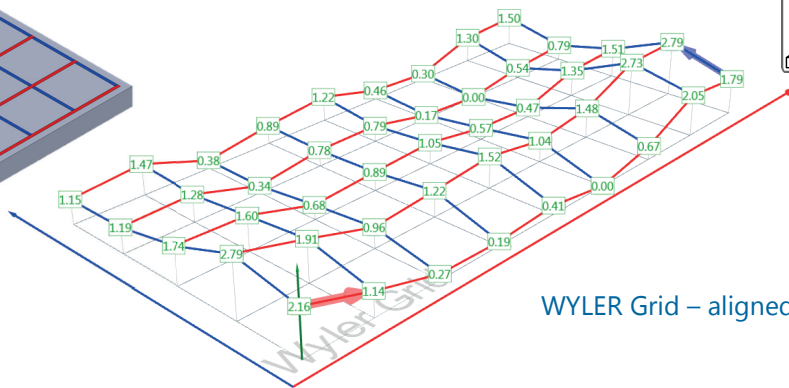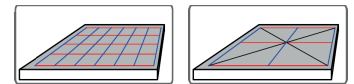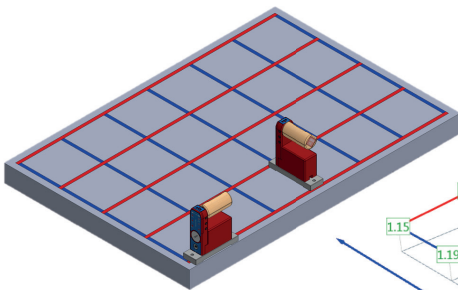
WYLER Grid – aligned by ISO 1101
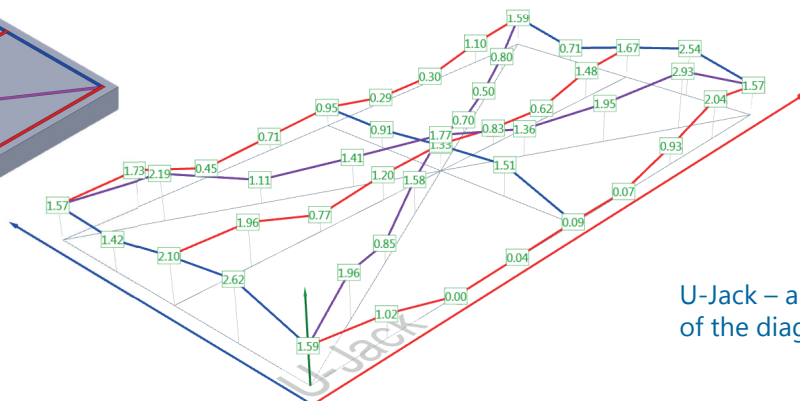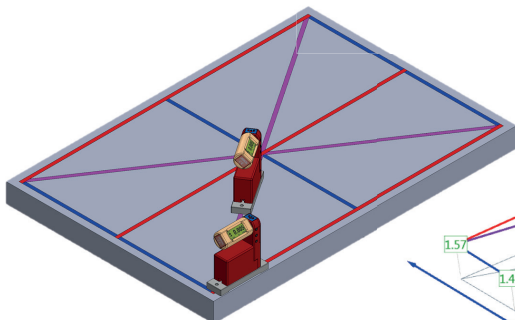
U-Jack – aligned by endpoints of the diagonals
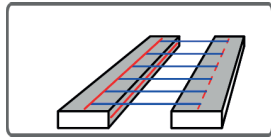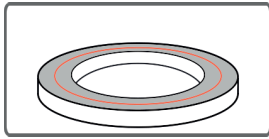
Module 5 – Circular paths
Measurement of ring-shaped overlays consisting of one or two rings
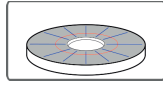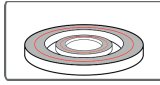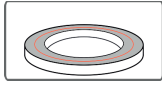
Reference C1
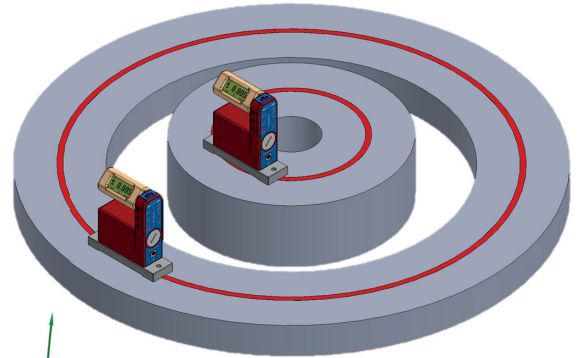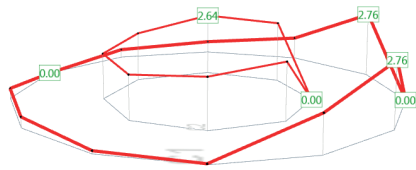
Reference C2
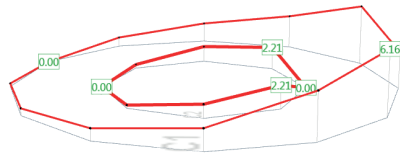
Module 6 – Lines / Guideways
Measurement of horizontal and vertical guideways
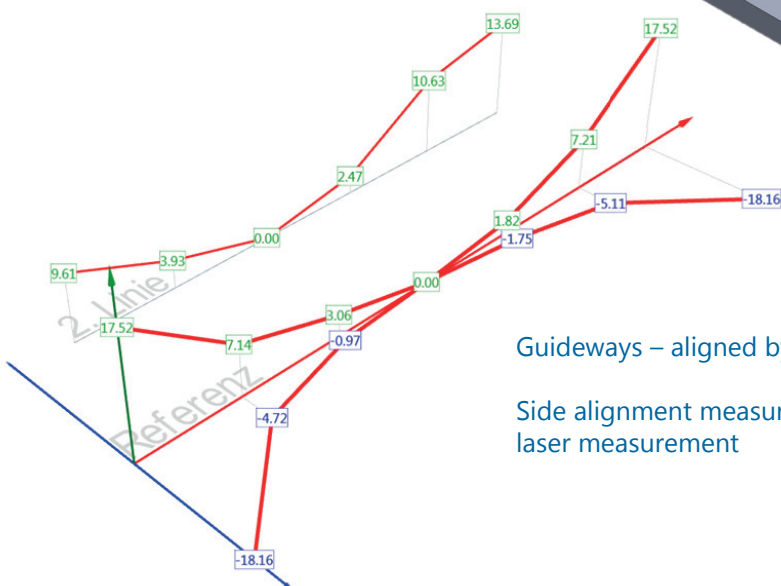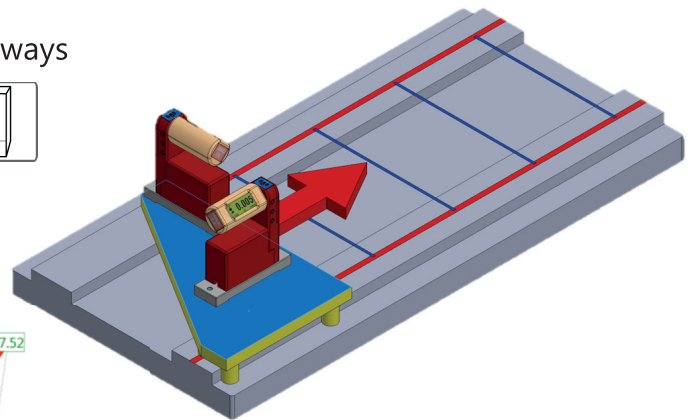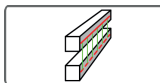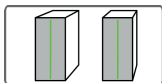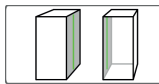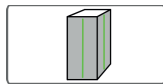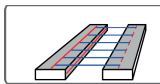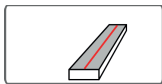
Guideways – aligned by endpoints

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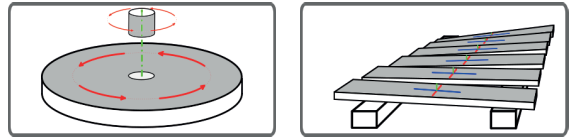
Module 7 – Rotation vertical axis
Measurement of perpendicularity of a vertical spindle to the machine table
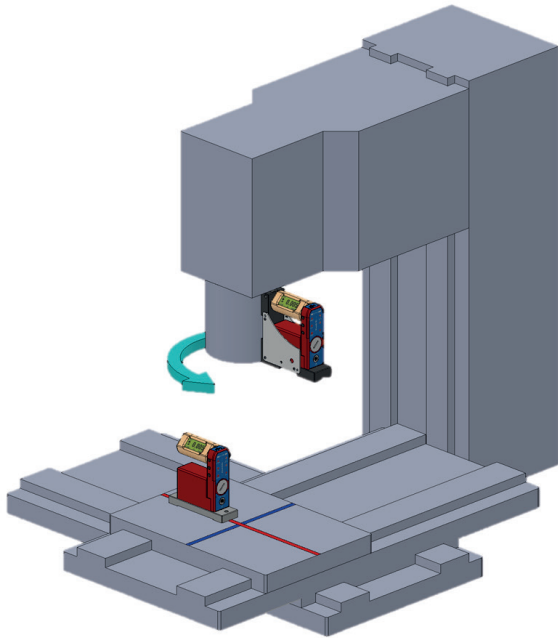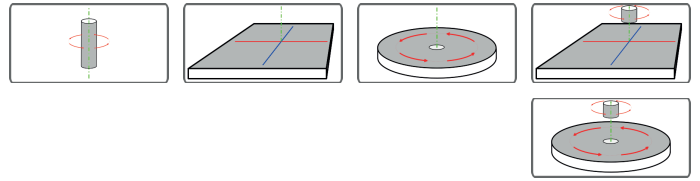
Table aligned

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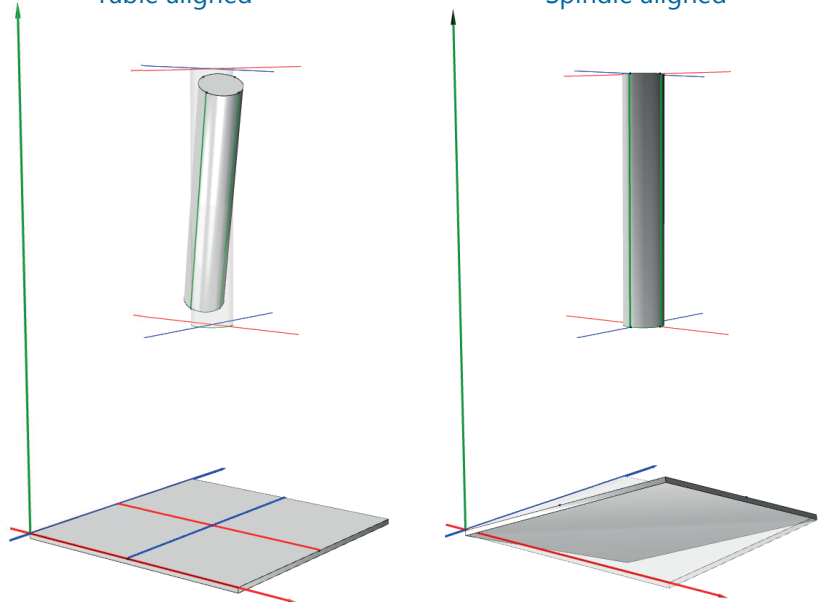
Module 8 – Rotation PITCH - ROLL - YAW
Measurement of these rotations with WYLER instruments in conjunction with laser or autocollimator

Measurement of ⋯

PITCH with BlueLEVEL
ROLL with BlueLEVEL
YAW with laser

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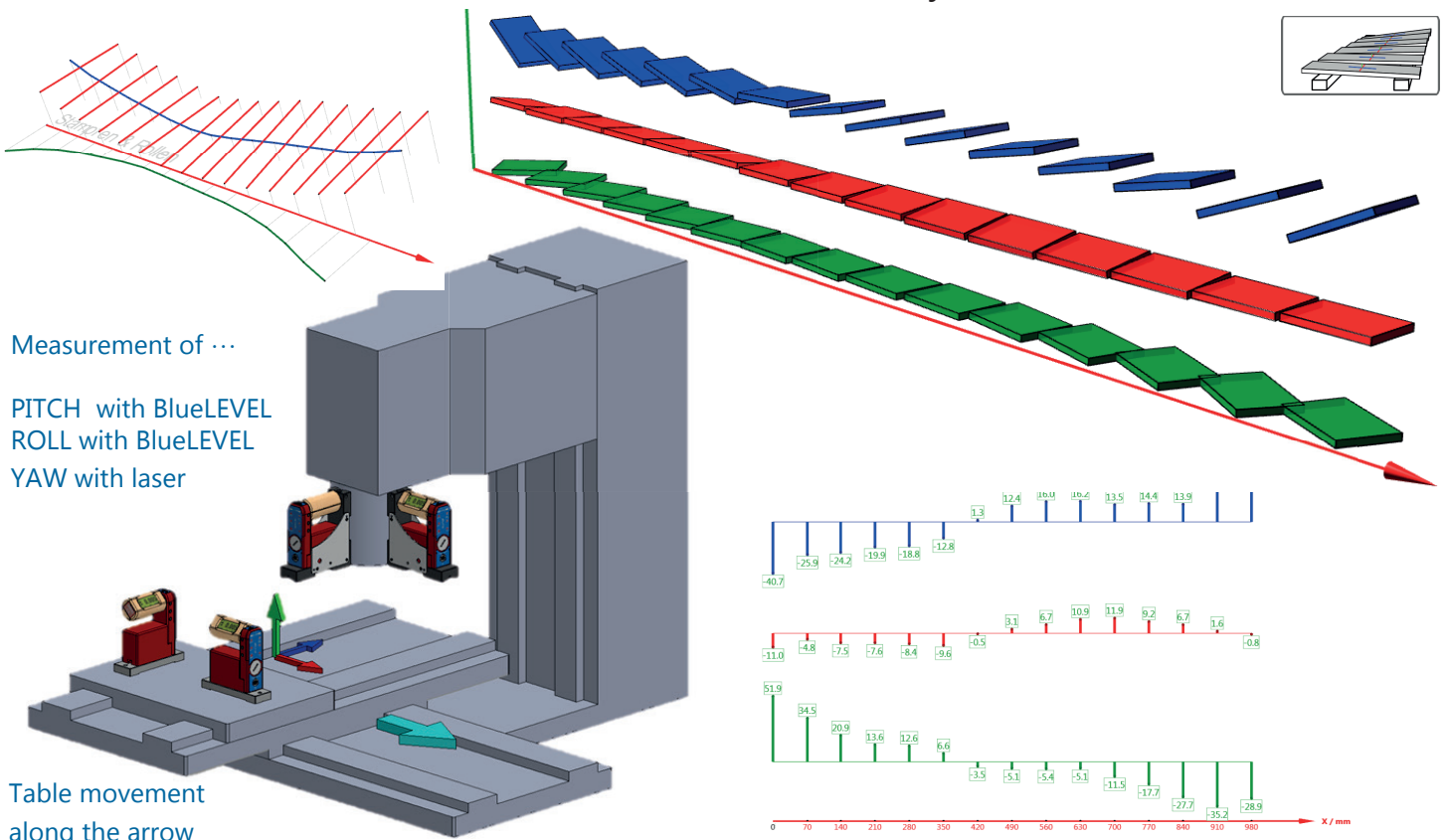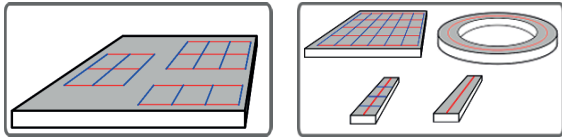
Module 9 – Flatness and parallelism of surfaces
Determining the flatness and parallelism of separately measured areas of a machine
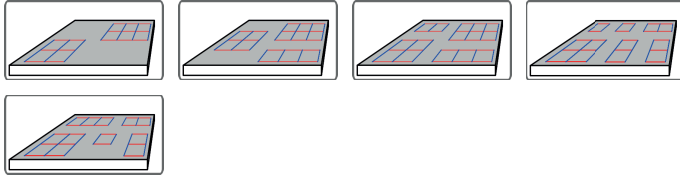
Parallelism of two surfaces

3.55
1.25 4.05
1.55
1.42
0.75
1.42
0.00
1.42
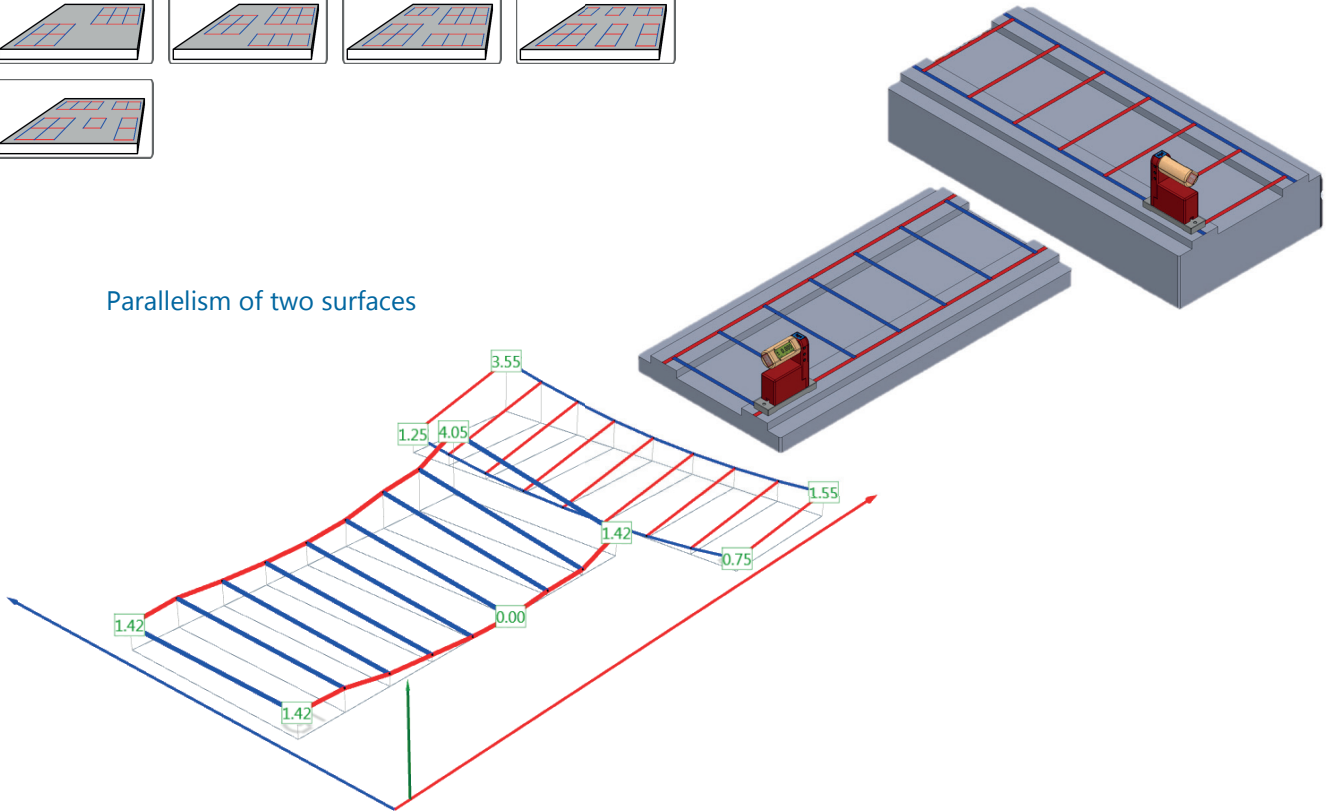
Module 10 – Own measurements
Client-specific measurement tasks
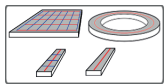
Parallelism of different areas
towards the center circle

0.66
0.00
0.51
0.09
0.47
0.35
0.09 0.82
0.00
0.00
0.49
0.12
0.34 0.05
0.00
0.41
0.08
0.12
0.41
0.40
0.00
0.15
0.00
0.24
0.01
0.37 0.85
0.05
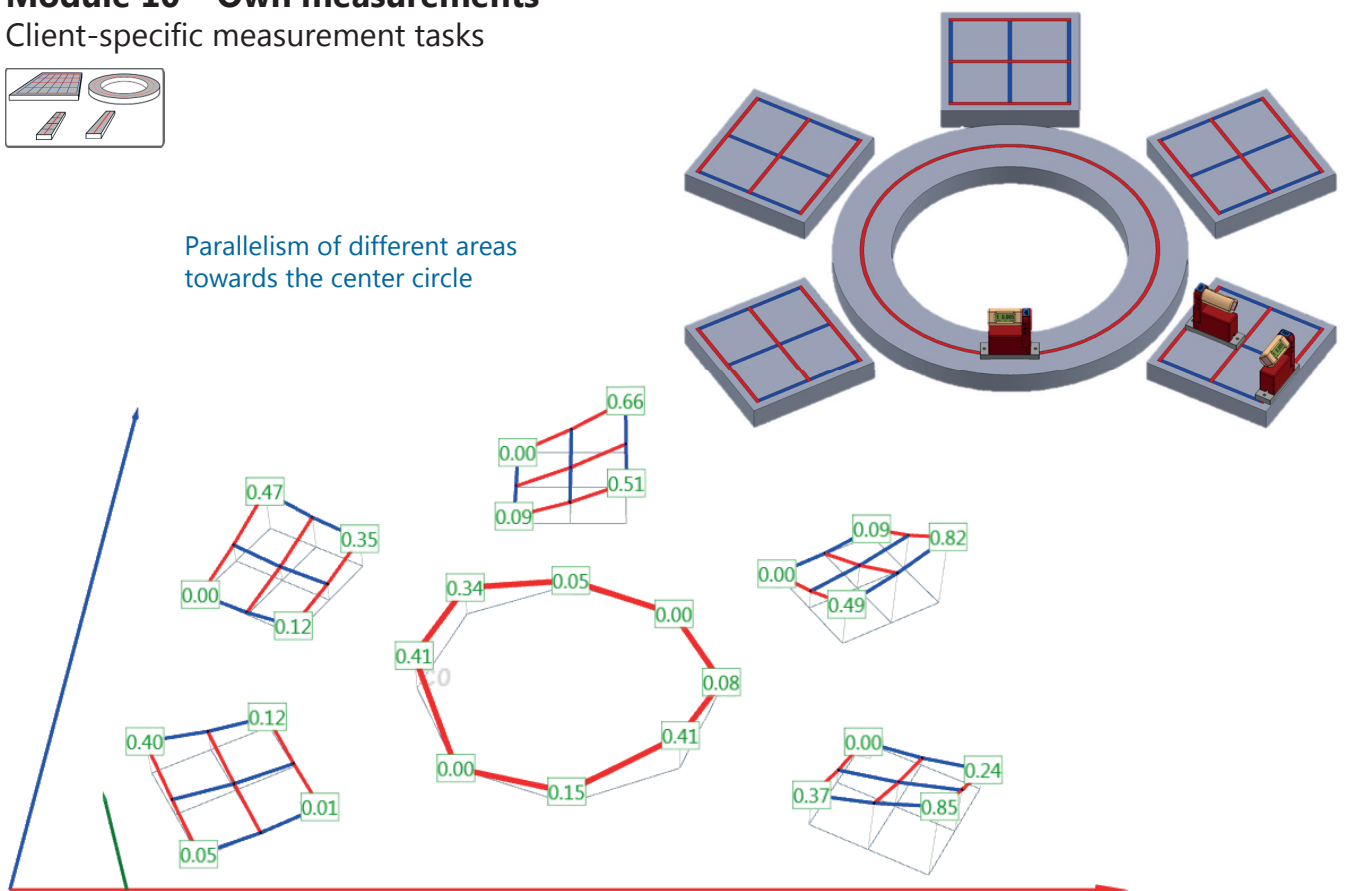
wylerSPEC - printout
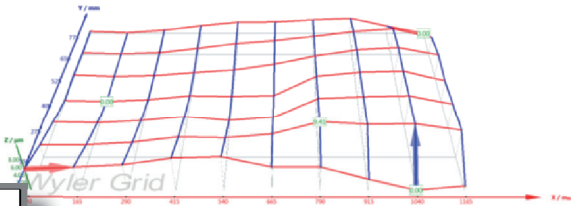
Standard report

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.

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

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