

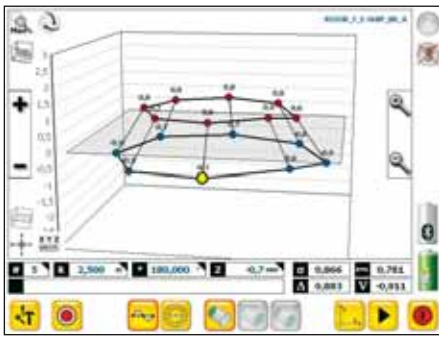
A Flange foundation flatness measurement



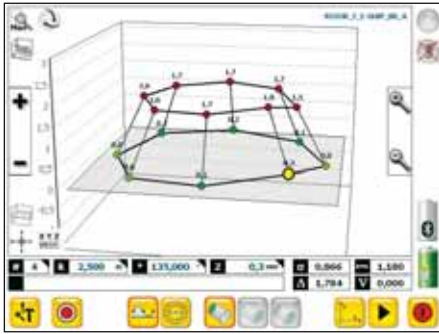
The inner diameter is 4200 the outer-diameter is 5000 mm. Eight raised segments will support the flange. Measurement points were defined at the inner and outer diameters of each segment.



The sweep laser T310 cuts a reference plane above the flange the receiver R310 is moved from one point to the next. The Software ProFlange V2 is used to record the points and to study the result.



Here you see the inner and outer segment ring as measured in 3D. The Graphic is a screen shot from ProFlangeV2. It's a what you see is what you get application. Very easy to use, a complete solution for flange measurement and quality control.



Here you see the depiction as required for the correction of the flange foundation. The software supports the alignment of the In-Situ Milling machine.

No.	Z(o) mm	Z(i) mm	mrad
1	0,16 mm	1,72 mm	-3,9
2	0,10 mm	1,69 mm	-4,0
3	0,00 mm	1,50 mm	-3,8
4	0,32 mm	1,78 mm	-3,7
5	0,15 mm	1,67 mm	-3,8
6	0,00 mm	1,60 mm	-4,0
7	0,00 mm	1,64 mm	-4,1
8	0,16 mm	1,67 mm	-3,8

The recorded data is naturally also available in tabular form. It can also be exported to Excel. Here we see the relative height of each point and the angle of each segment.



Used equipment:

- Rotational laser T310
- Laser receiver R310
- UMPC DU 310
- Flange Measurement Software ProFlange



T310 Art.-No. BG 830200/1



R310
Art.-No. BG 830100



DU310 Art.-No. IT 200310



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