

E960 TURBINE



E960 Turbine system



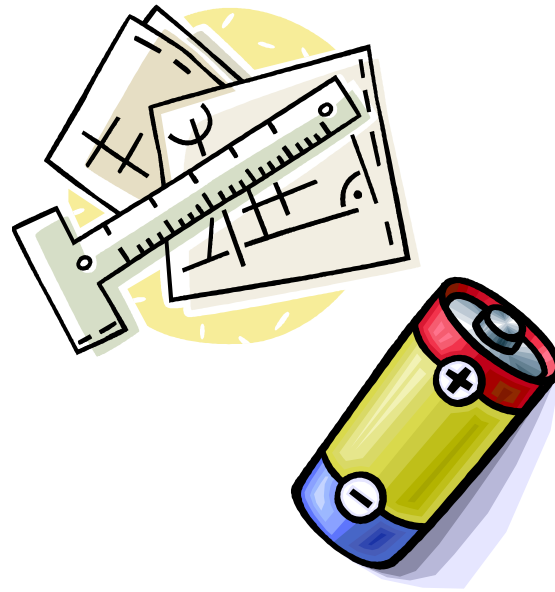
E960 A



E960 B

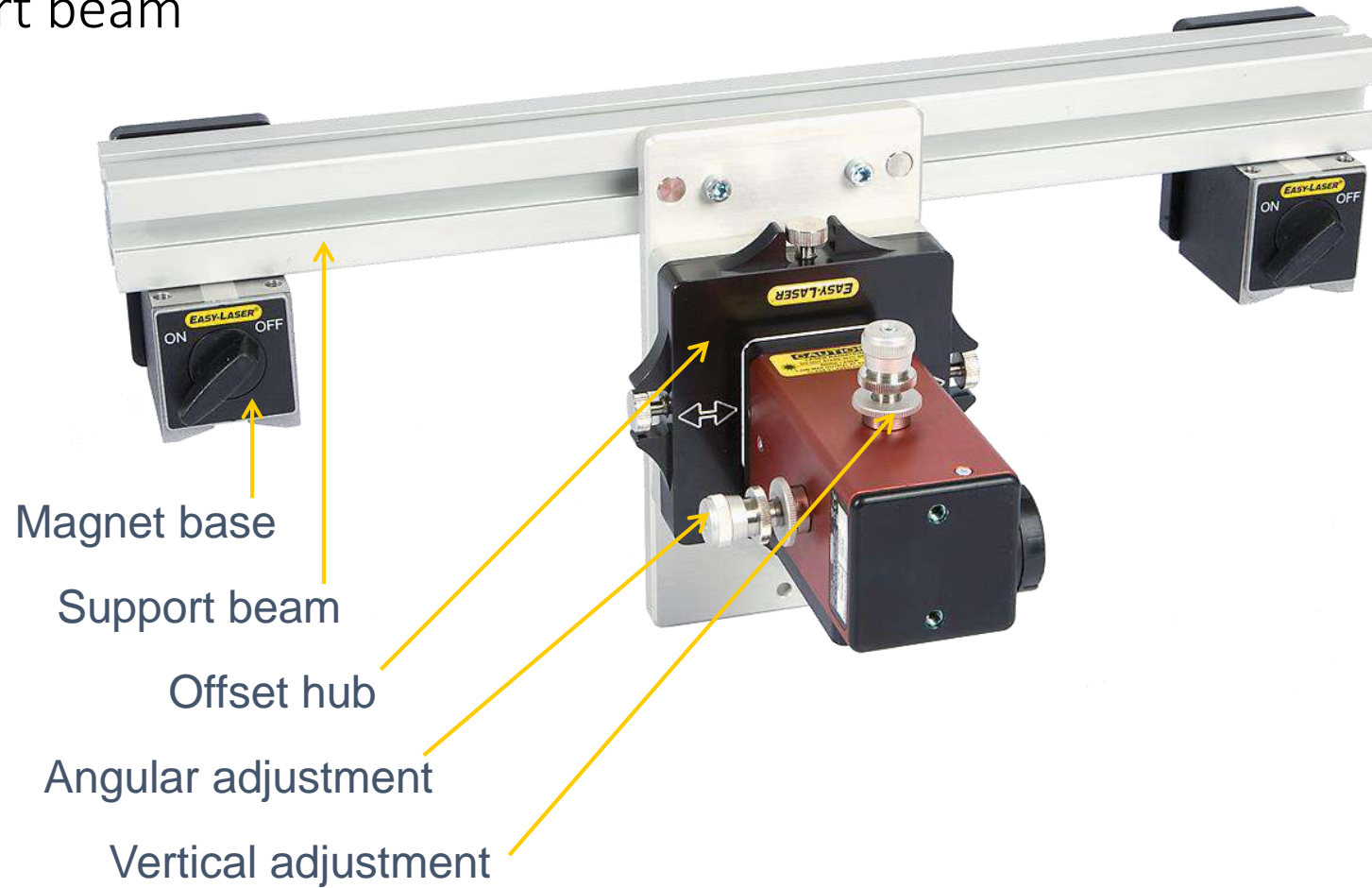
Prepare the work

- Hard copies
- Tolerances
- Assemble brackets
- Battery status
- Clean measurement points



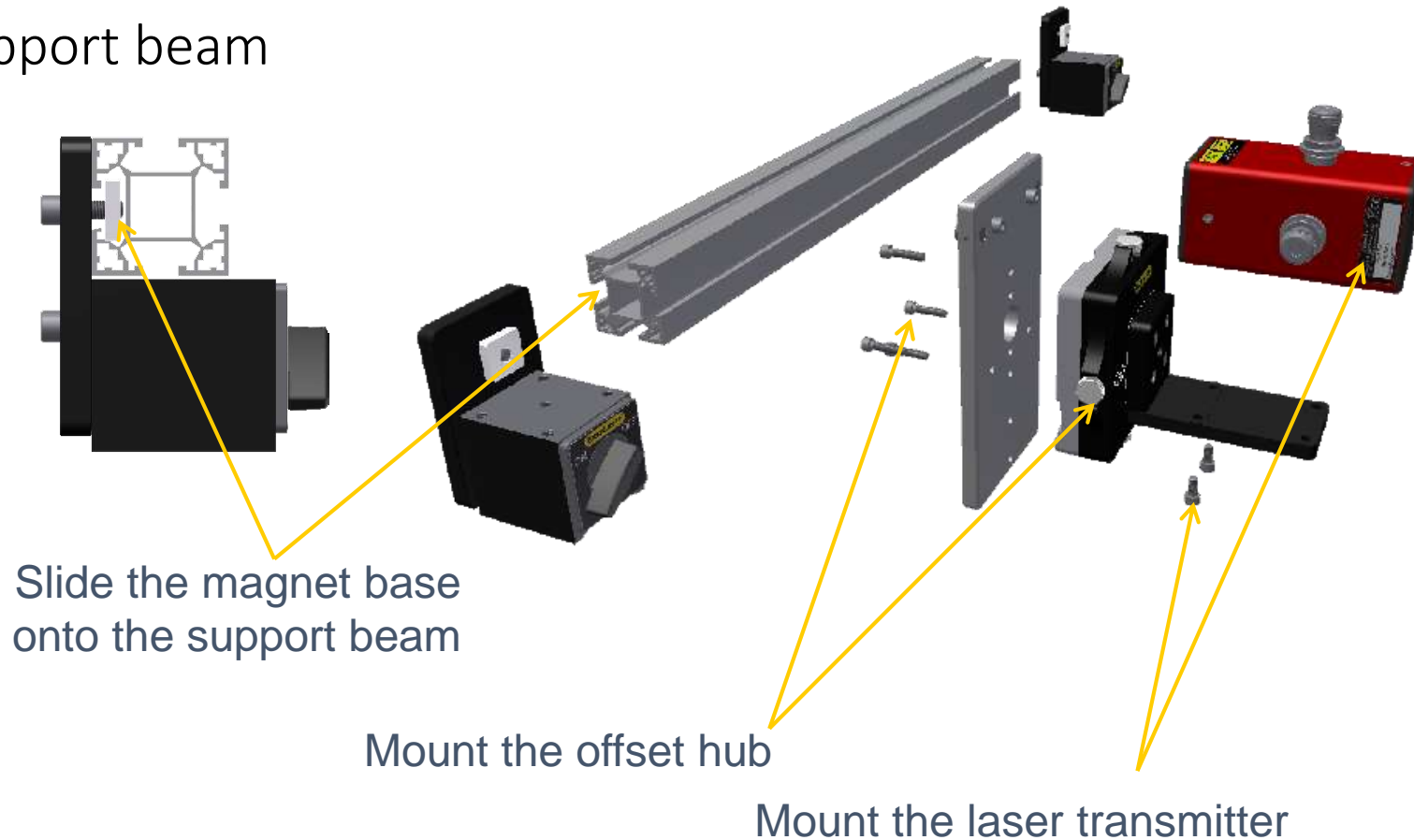
Assemble the laser transmitter

- Using support beam



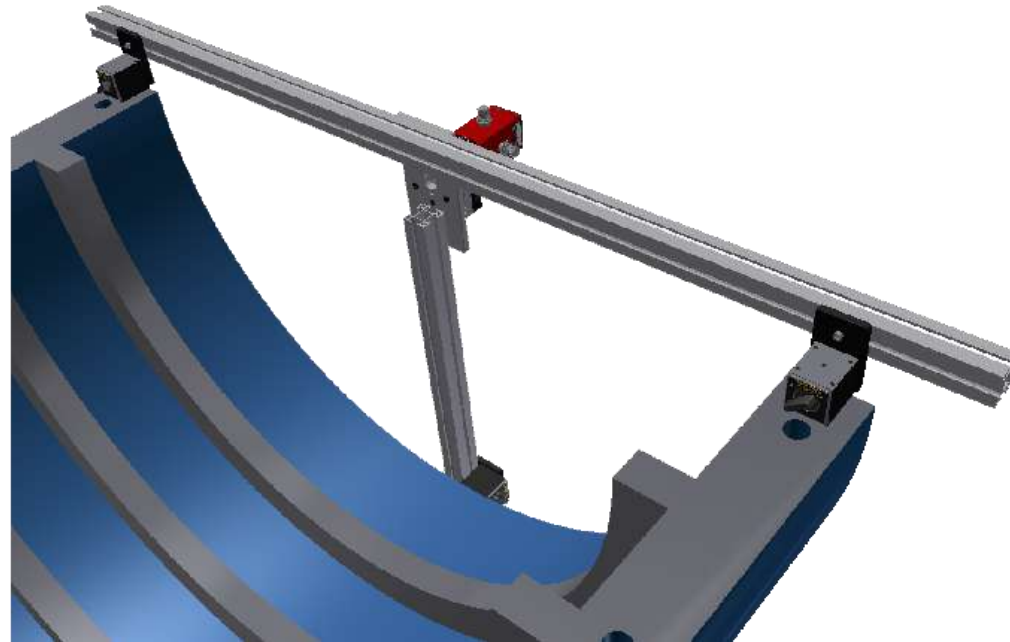
Assemble the Laser transmitter

- Using support beam



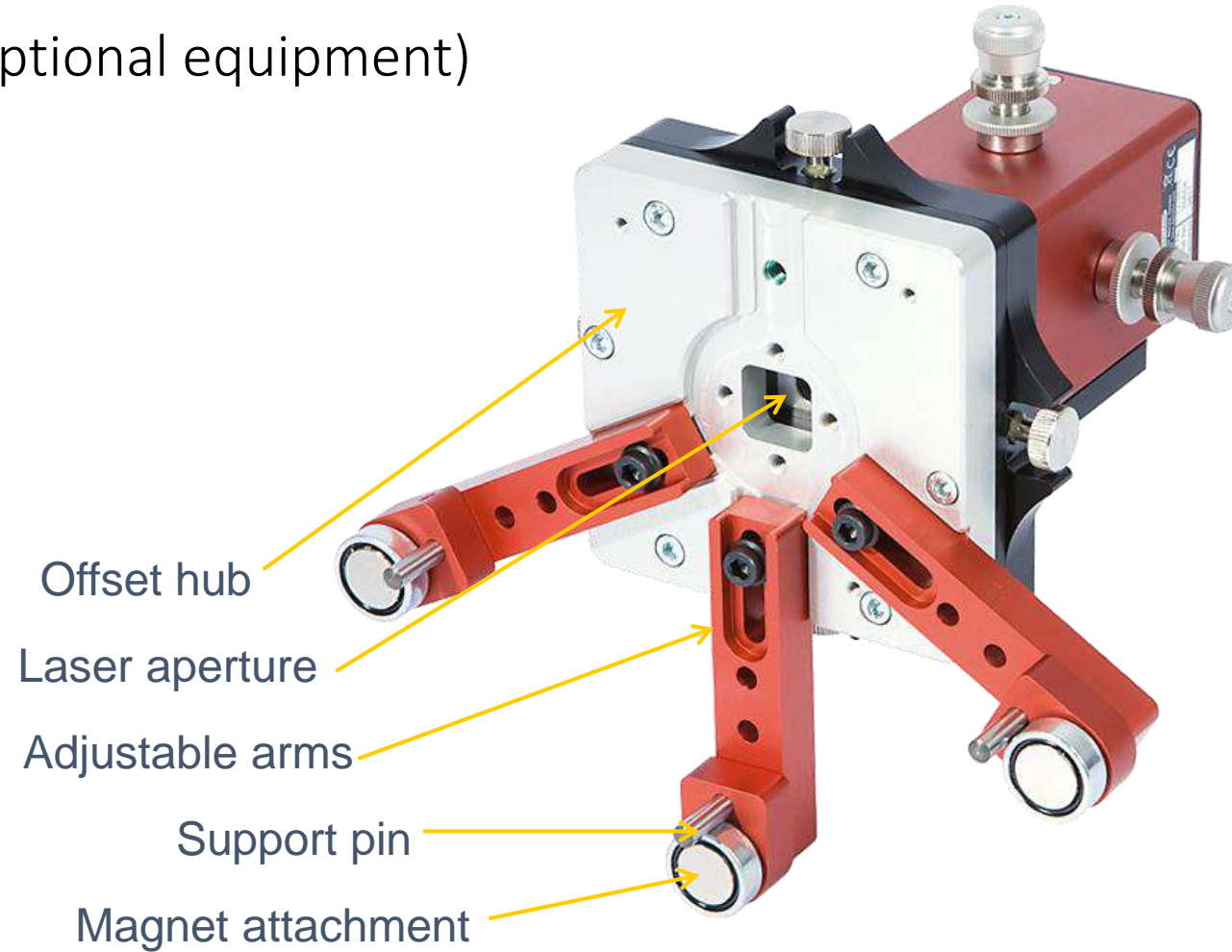
Assemble the Laser transmitter

- Using vertical support beam

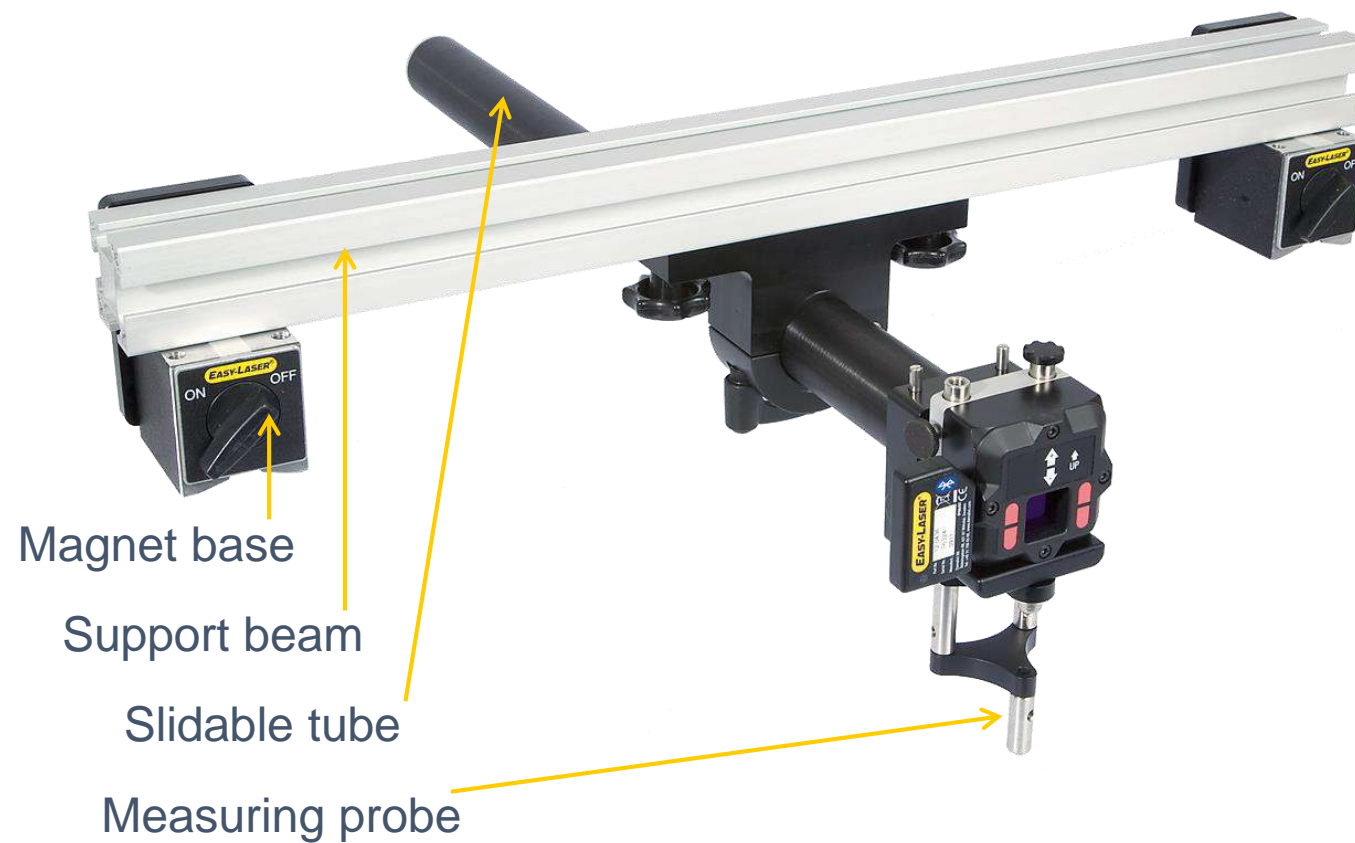


Assemble the Laser transmitter

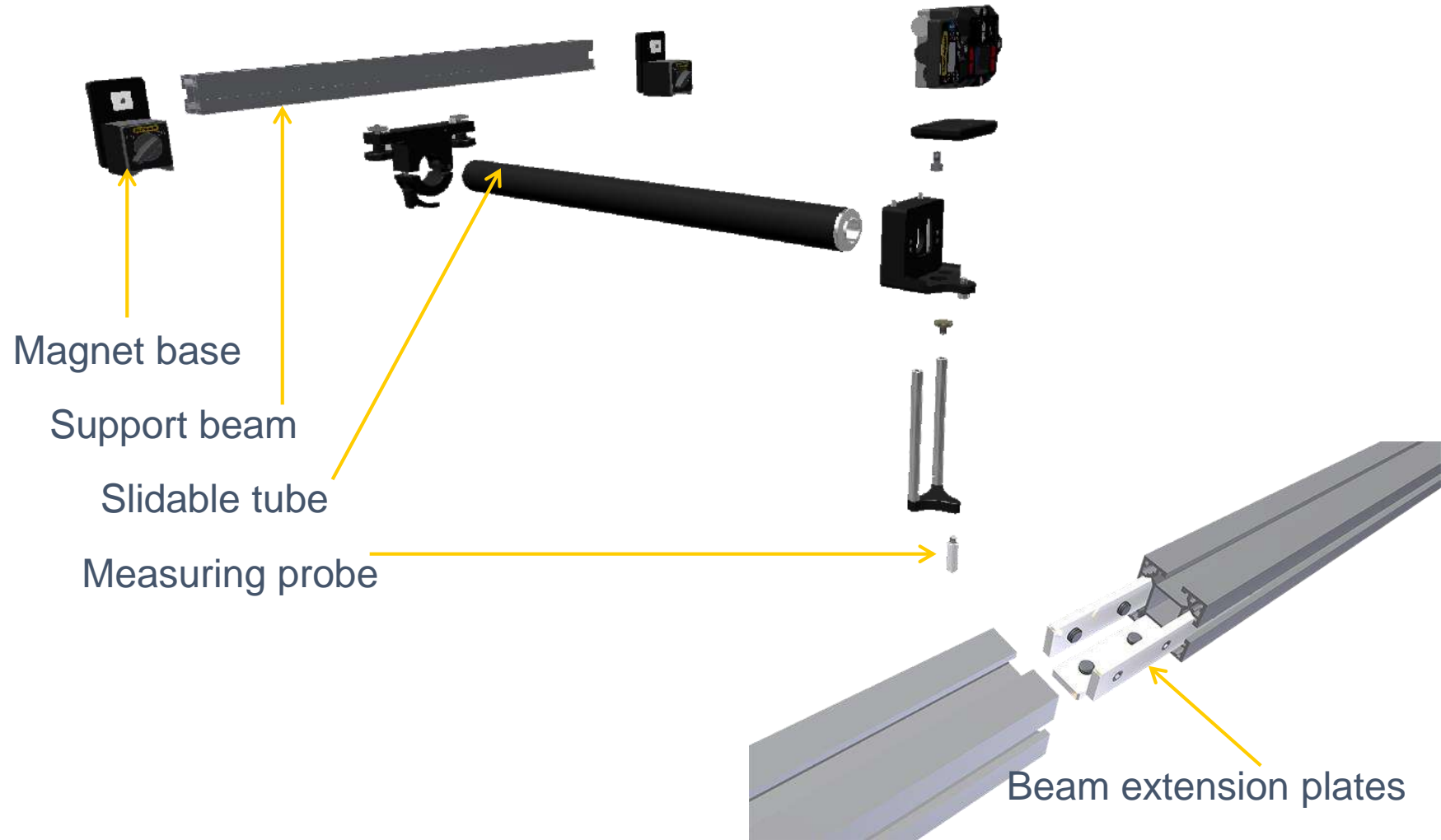
- Using arms (optional equipment)



Assemble the detector

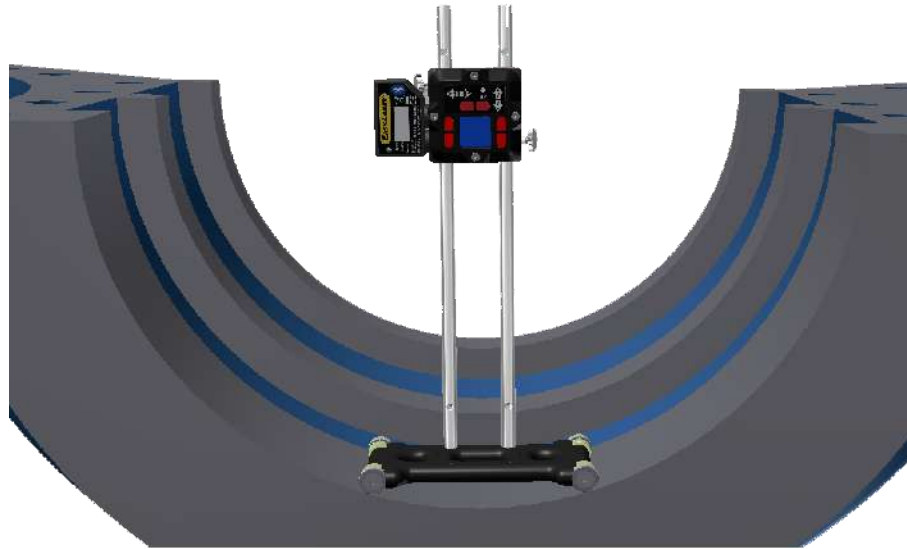


Assemble the detector



Assemble the detector

- Using sliding bracket



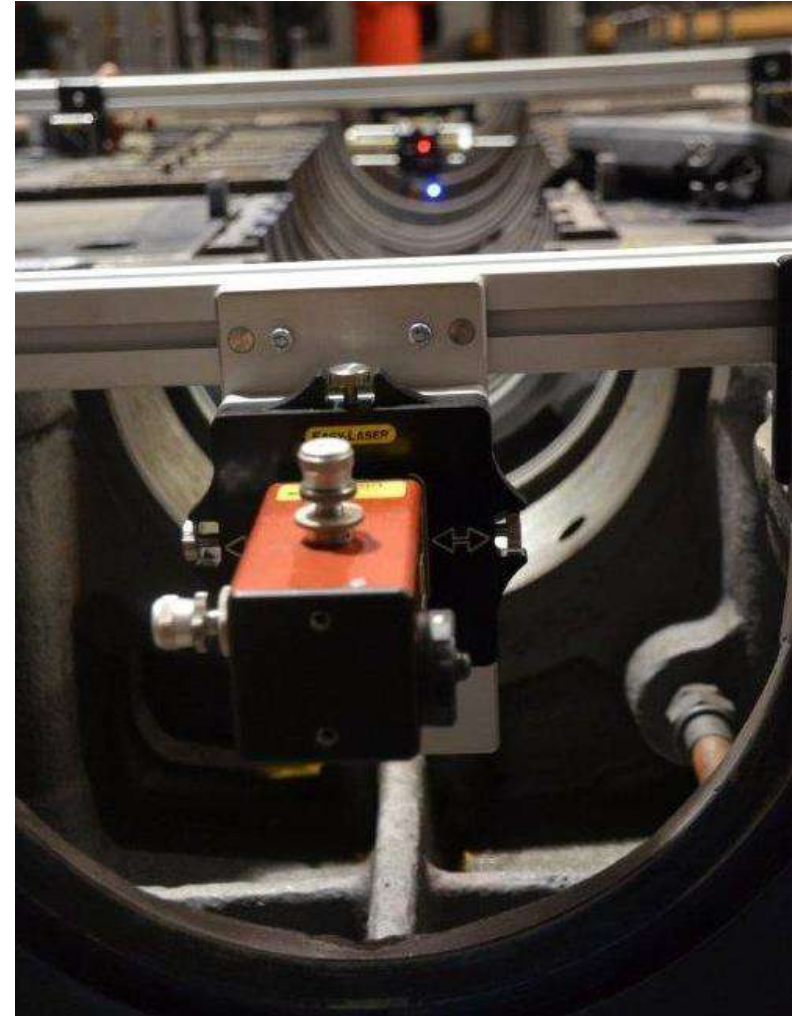
Check the environment

- Temperature
- Sunlight
- Airflow
- Vibrations
- Rain
- Mobile phone
- Clean



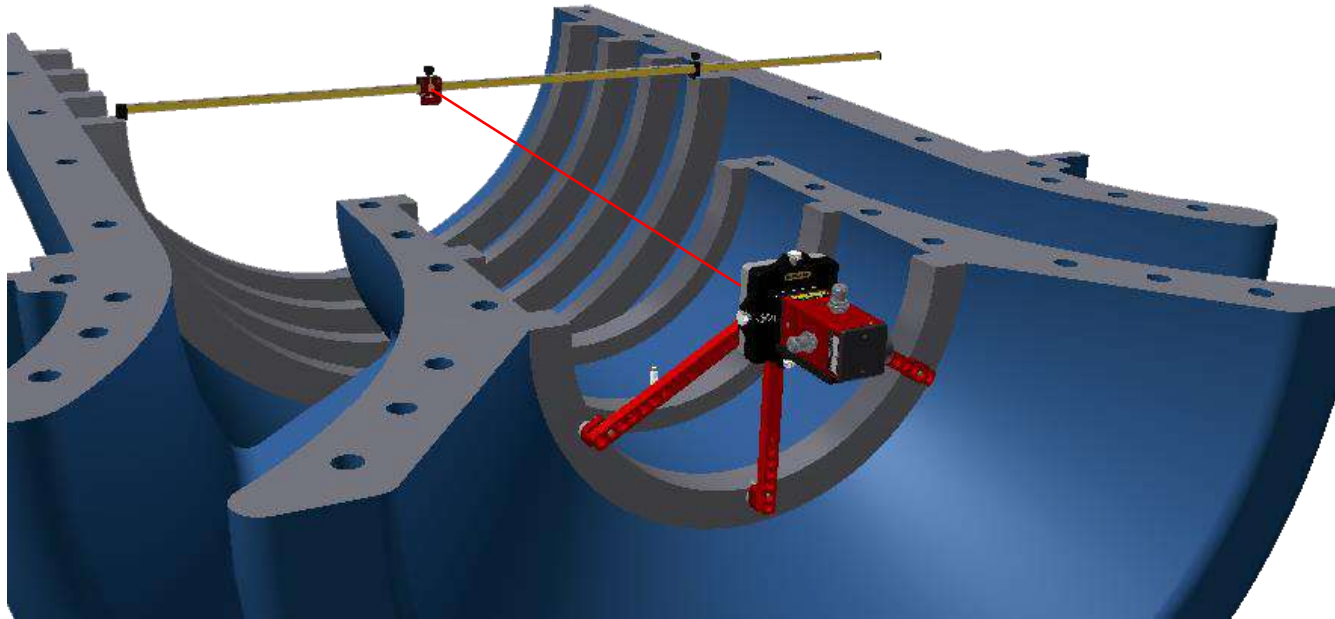
Check the environment

- Magnets are seated a machined surface, without tension.
- All magnets have full contact with the surface. If not, release and tighten screws.
- All screws on the bracket are properly tightened (but do not overtighten).
- Make sure that the laser transmitter battery is replaced to avoid interrupting the measurement.



Rough align laser beam

- Use the visual targets to prealign laser beam.

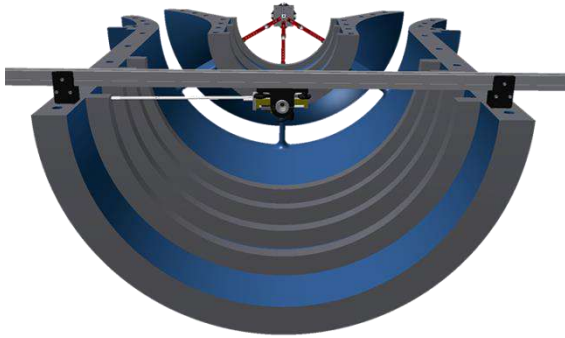


Mount the detector

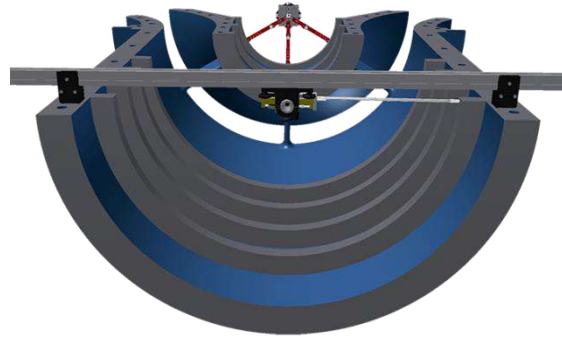
- Select a horizontal support beam and extensions, long enough to rest on both sides with good margin.



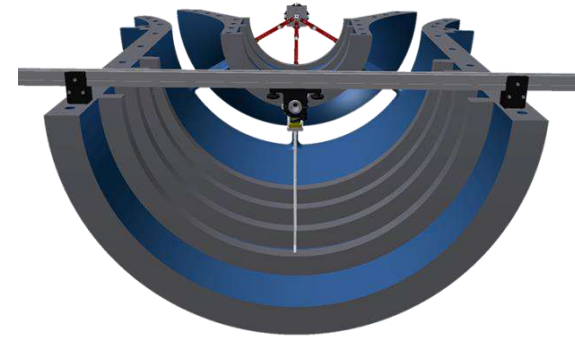
Align laser beam



1. Place detector probe at 9 o'clock.
2. Select



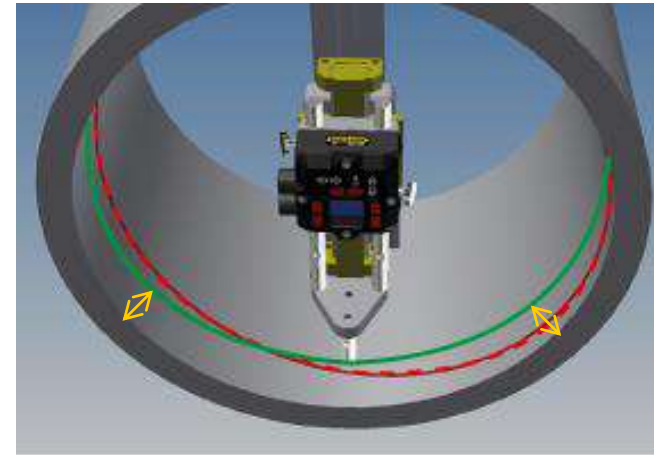
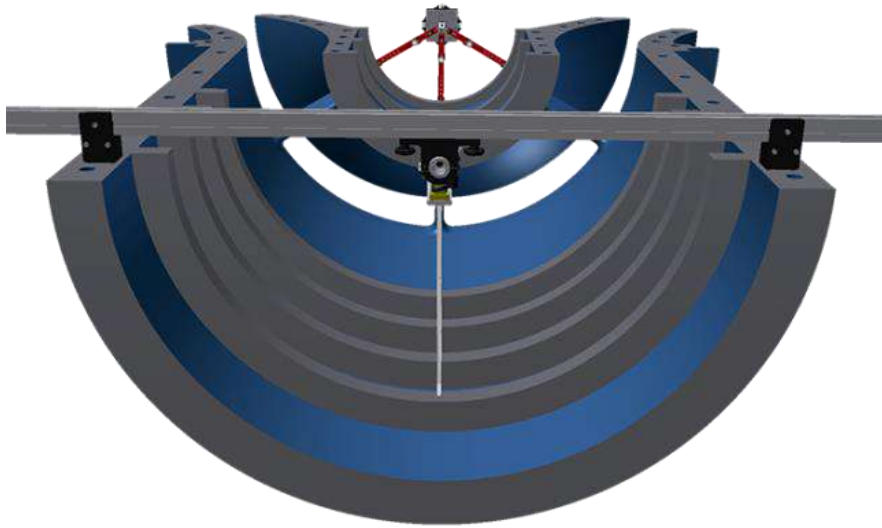
3. Turn to 3 o'clock and select
5. Adjust horizontal error to 0.00



6. Turn to 6 o'clock.
4. Adjust vertical error to 0.00

Adjust measurement probe

1. Turn the probe to position 6 o'clock.
2. Adjust the detector vertically and horizontally to the centre of the laser beam.
3. Adjust the detector fixture so that the probe runs parallel to the surface to be measured.



Green line = correct

Measure



Measure

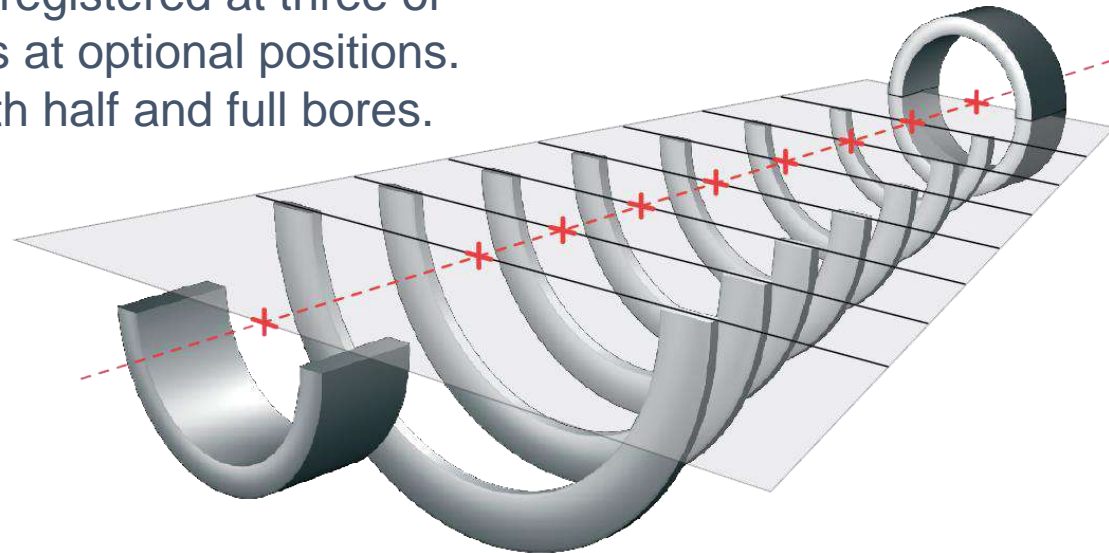
- Measure using Half circle or Multipoints.



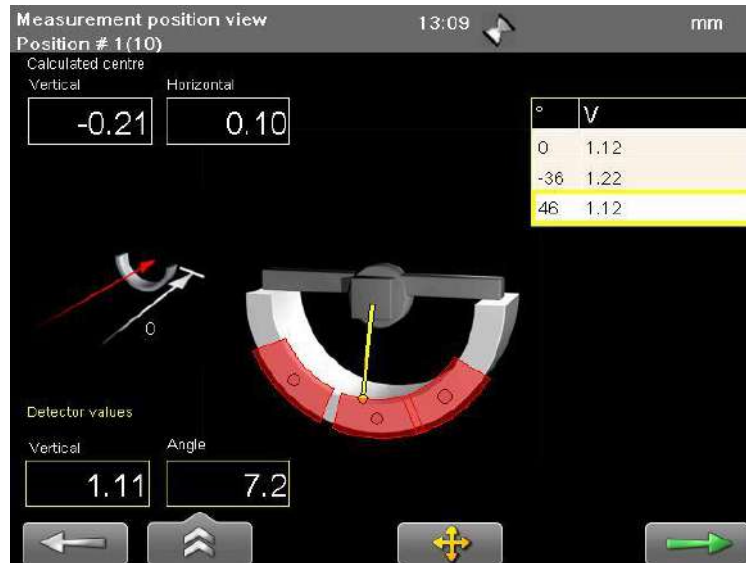
Values are registered at three positions in a half bore.



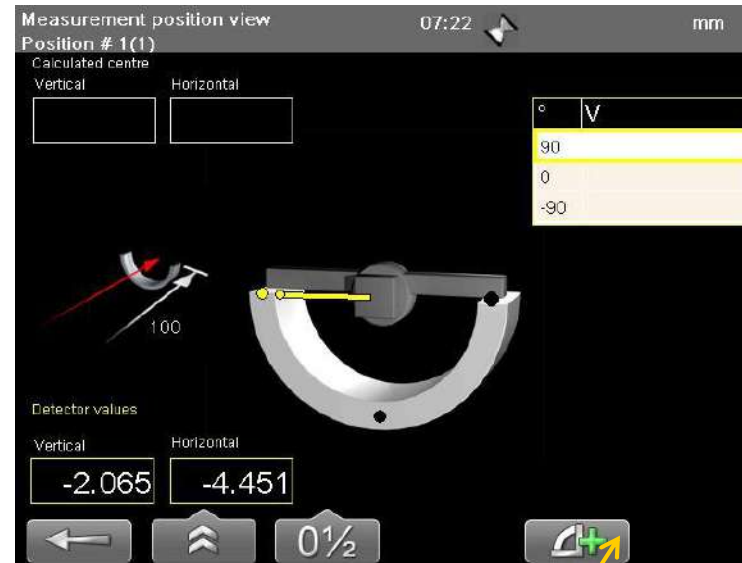
Values are registered at three or more points at optional positions. Used in both half and full bores.



Measure with or without inclinometer



With inclinometer

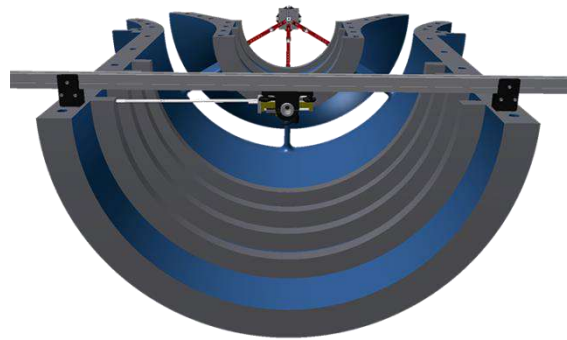


Without inclinometer

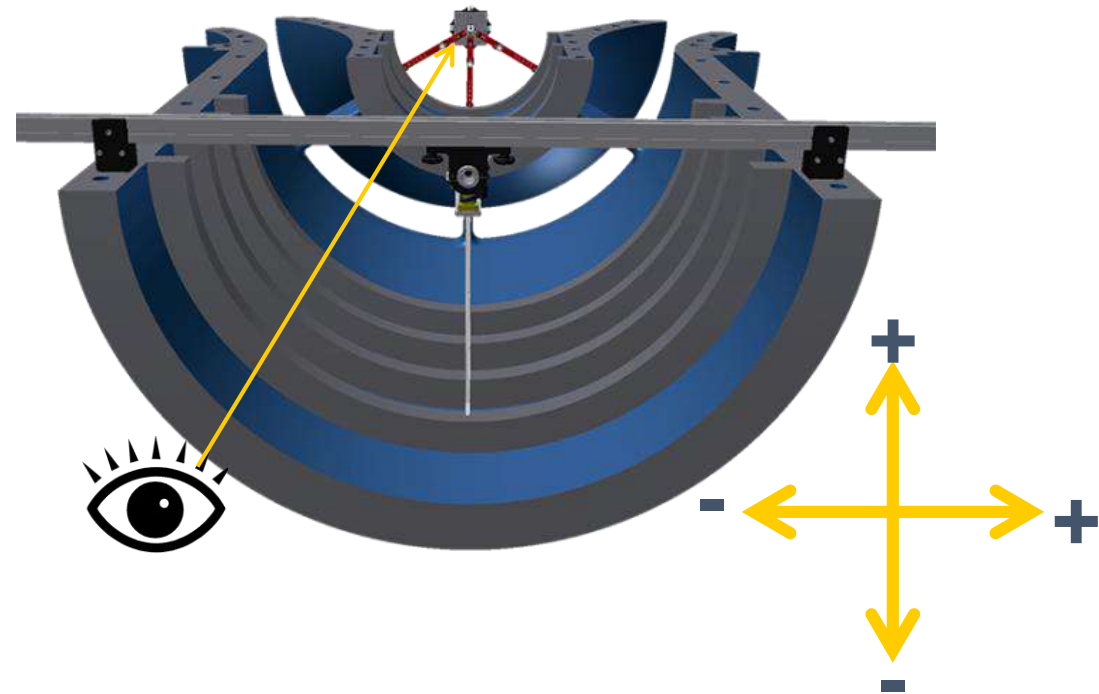
Toggle button to toggle inclinometer on/off

Measure

- Face the laser transmitter from the detector. Then 9 o'clock is to the left, as in the measuring programs.



9 o'clock



Result



EASY-LASER[®]