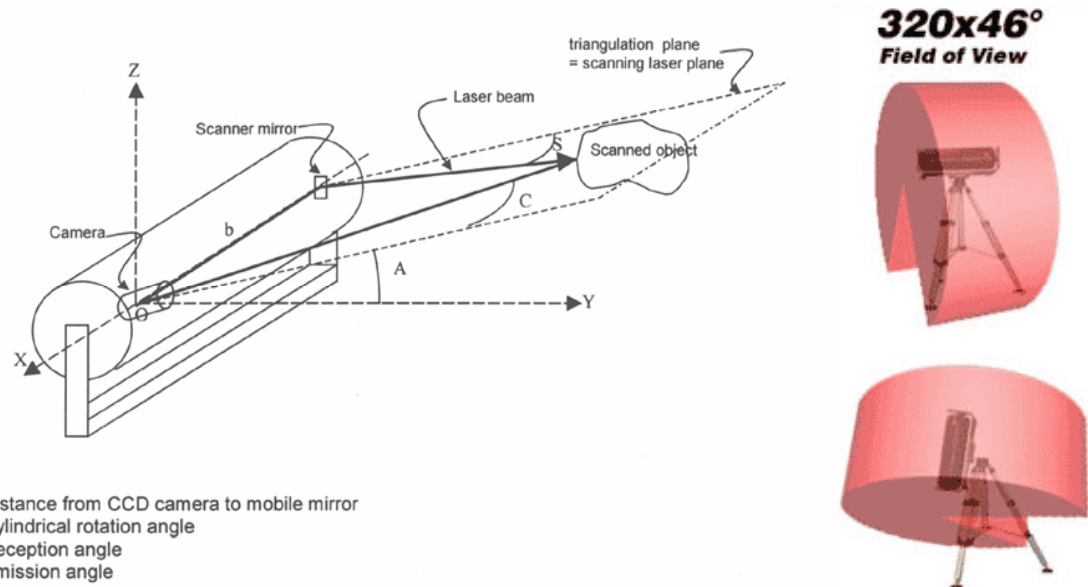


Laser scanner Mensi GS 25

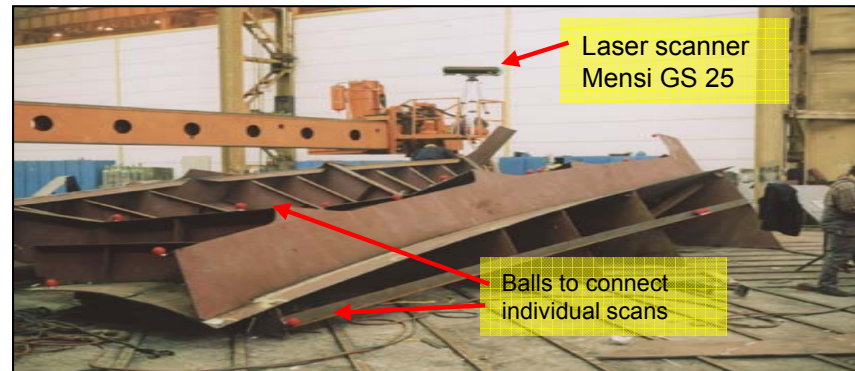
Technical data:

- Measuring principle: triangulation
- Opening angle: $320^\circ \times 46^\circ$
- Measuring range: 2 to 25 m (single distance)
- Scanning speed: up to 100 points / second
- Measuring accuracy: up to $0.6 \text{ mm } 2\sigma$
- Laser spot diameter: 0.7 mm
- Laser control and data recording via industry PC



Operation area/application

- Measuring structures in ship construction (section construction, ship hull form)
- Digitalising of plants e.g. pipe structures
- Digitalising tasks for rapid prototyping tasks



Application example: measuring a curved panel



Universität Rostock
Fakultät für Maschinenbau und Schiffstechnik
Lehrstuhl Fertigungstechnik



Fraunhofer
Anwendungszentrum
Großstrukturen in der
Produktionstechnik