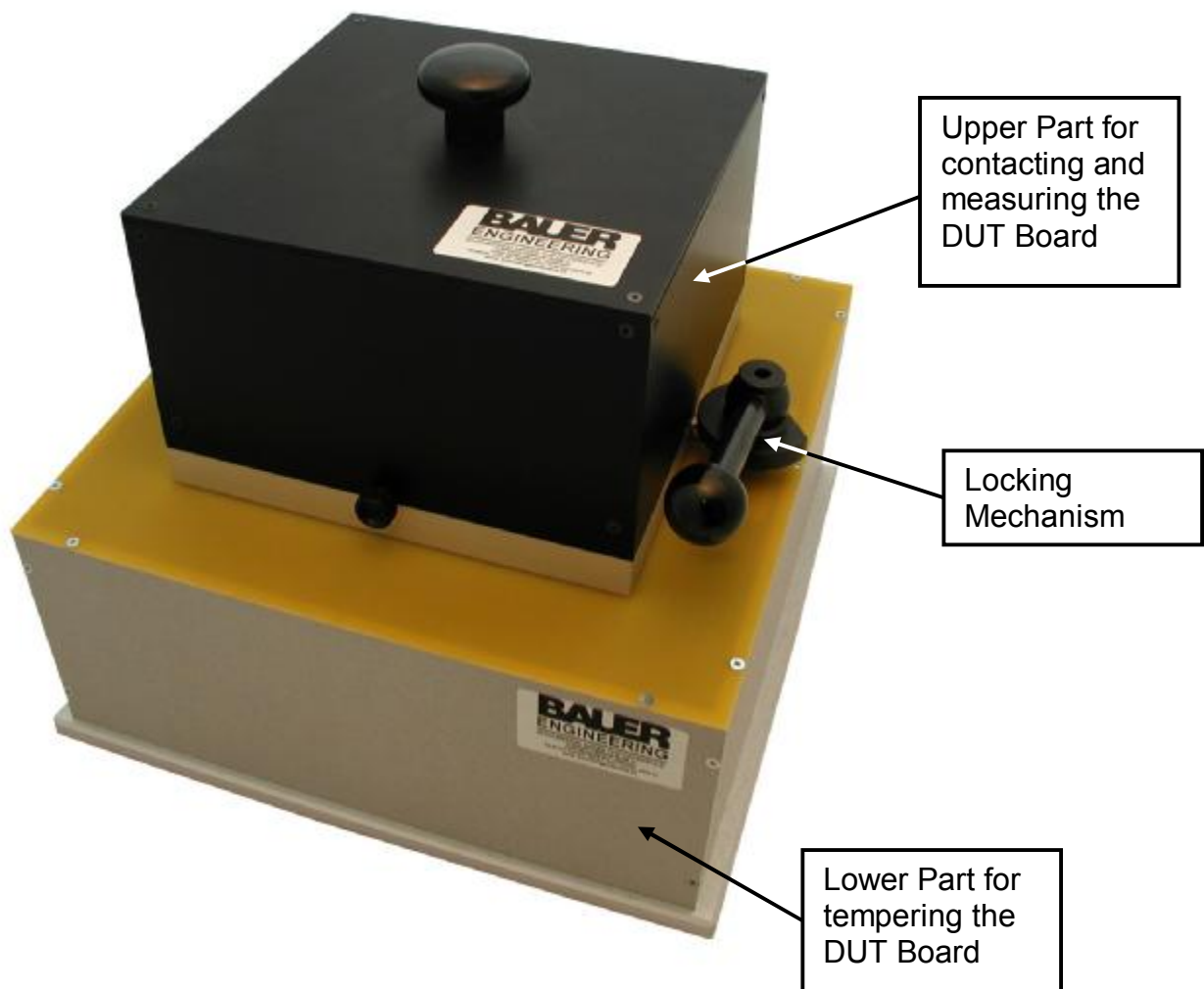


ATOS-MO

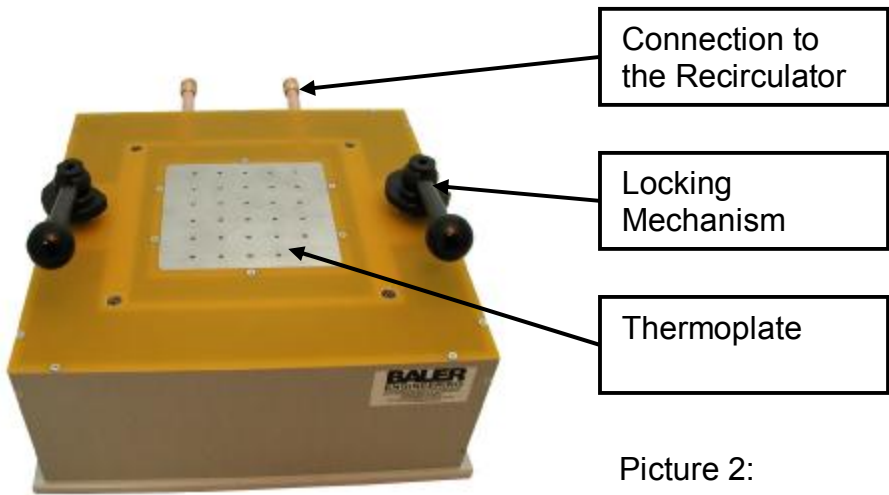
BAUER
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ATOS stands for **A**utomatic Testing of **O**pto-**S**emiconductors.
MO stands for **M**odular System.

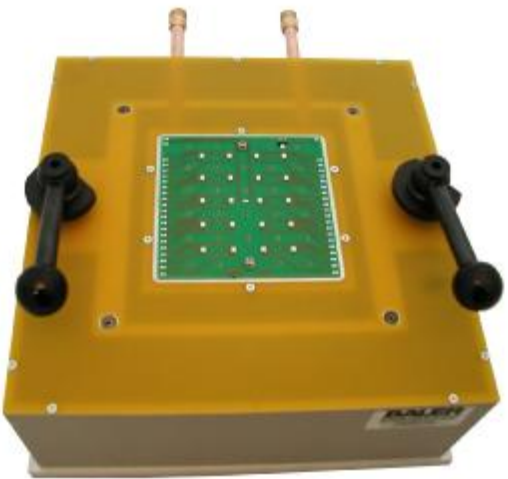


Picture 1:
ATOS-MO fixture for LED testing

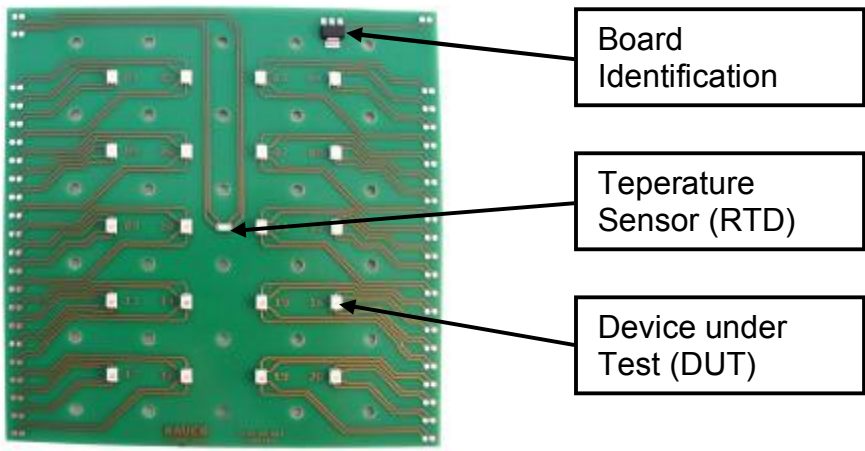
BAUER Engineering GmbH
www.bauer-eng.de
Clermont-Ferrand-Allee 36
D-93049 Regensburg, Germany



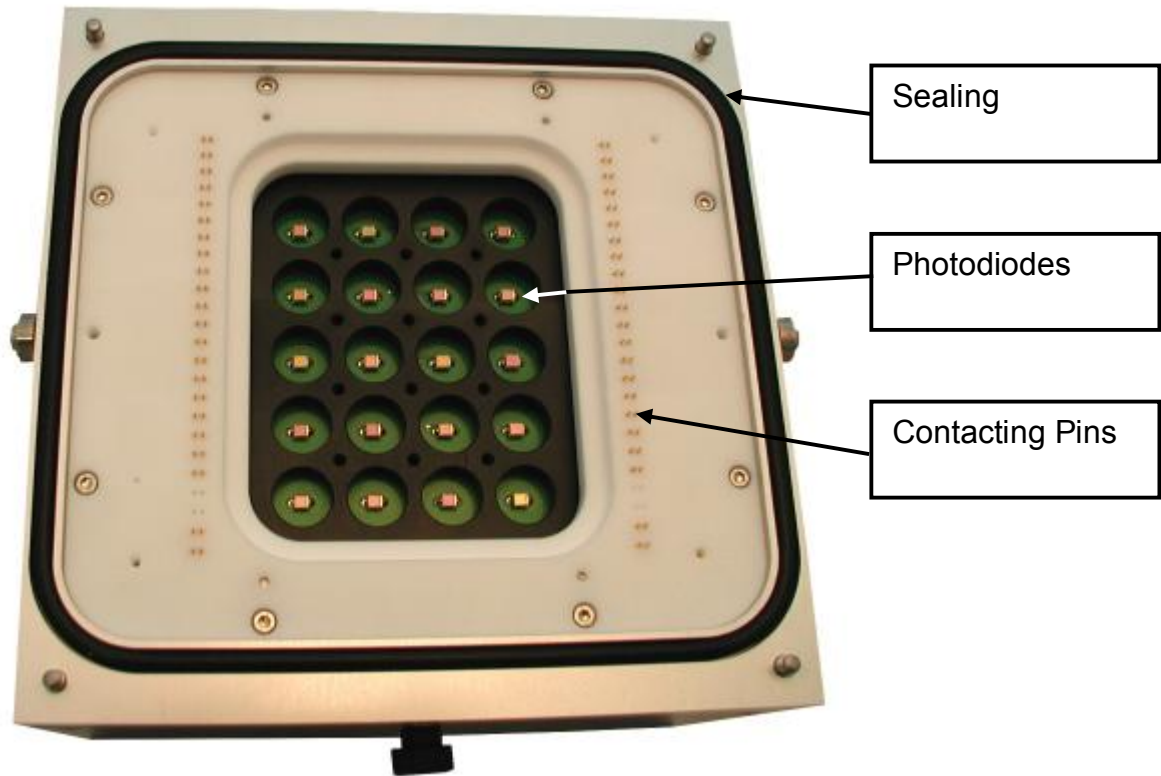
Picture 2:
Fixture opened



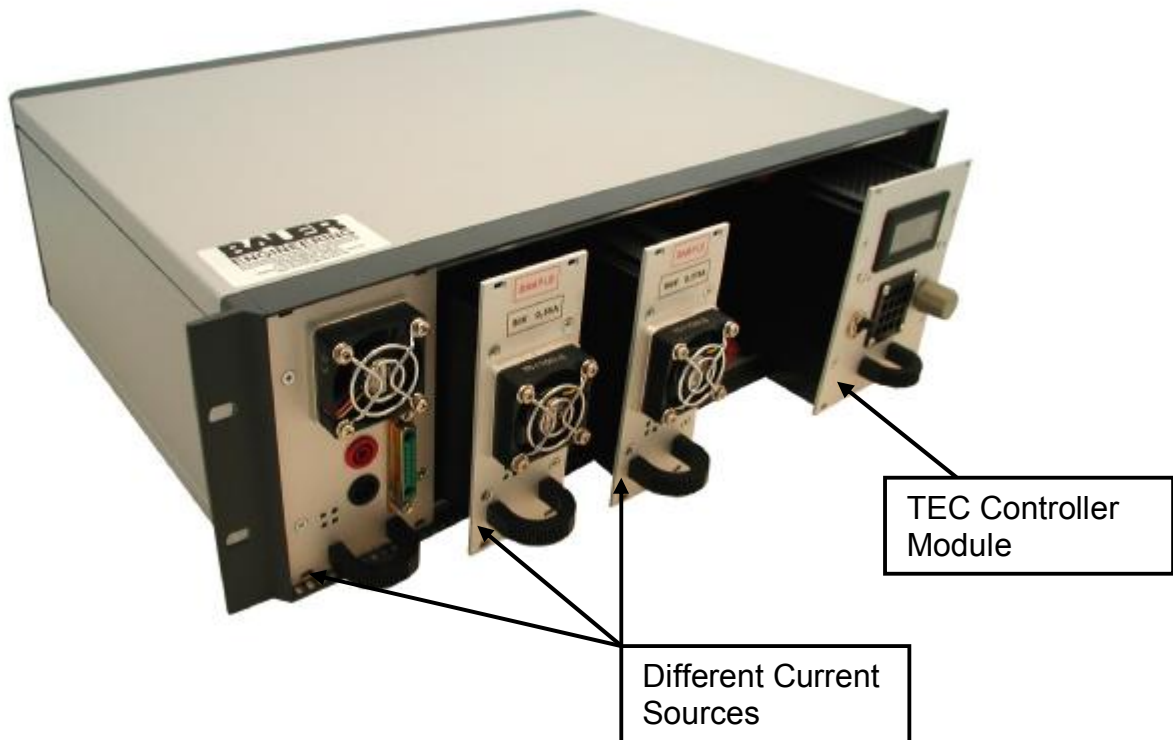
Picture 3:
Fixture opened with DUT Board



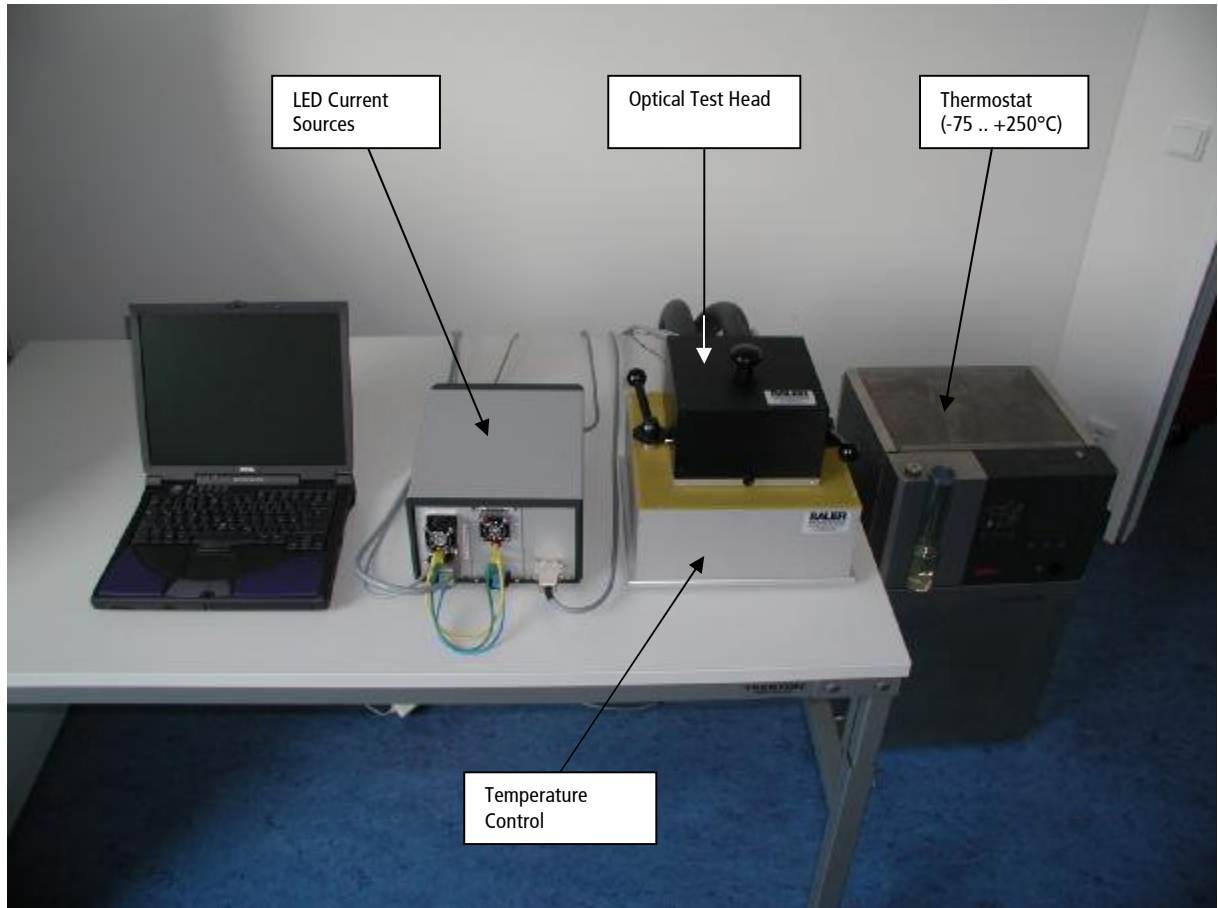
Picture 4:
DUT Board



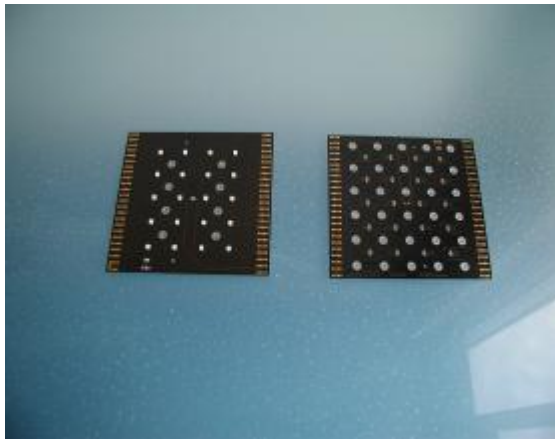
Picture 5:
Bottom-up view of the upper part of the fixture
(aperture and filters removed)



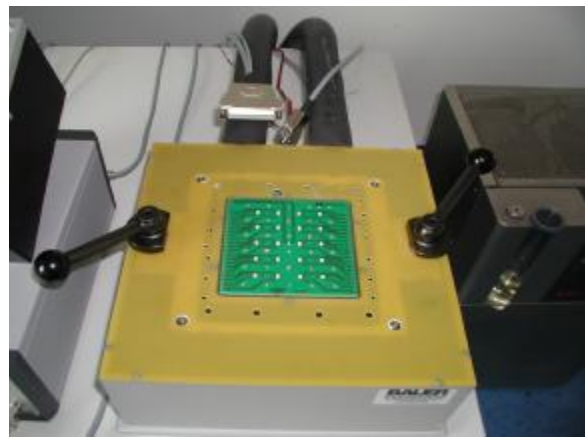
Picture 6:
Control Box with Supply Modules



Measurement System ATOS-MO



DUT Boards (each 20 DUTs)



Detached Testhead

ATOS-MO

Summary of Technical Features

Thermal Control Module:

Different solutions according

- required temperature range (-40°C – 150°C, 15°C - 85°C or 15°C – 150°C)
- thermal dissipation loss of the DUTs
- requested temperature alteration time

Versions for temperatures below 15°C with integrated air drying to avoid condensation.

Different versions of DUT-Board mounting.

Optical Control Module:

One detector for each DUT

Different solutions according

- required wavelength range
- detector sensitivity
- active area of detector

Versions with colour sensors on request.

Filters and apertures on request.

Additional glass fiber for spectral measurement on request.

Temperature stabilization

For DUT temperatures below 15°C heated glass plane in front of the detectors.

Power Supply Module:

Different current sources for

- serial resp. parallel control
- DC resp. pulsed control
- Unipolar, bipolar resp. 4-quadrant operation