

Institute of Technical Thermodynamics

## Automatic Photogrammetric Qualification of Parabolic Trough Collectors

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Photogrammetric methods are used to get fast and reliable quantitative measures for the qualification of the precision of a parabolic trough collector module. An automatic photogrammetry system, implemented in the production line, detects assembly errors and deviations from the production process in order to eliminate them. The high exigencies in precision, reliability and speed have been demonstrated successfully. Application of such a system supports the strategies to assure the energetic performance of the solar field and the achievement of the economic goals of the whole solar power plant.



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