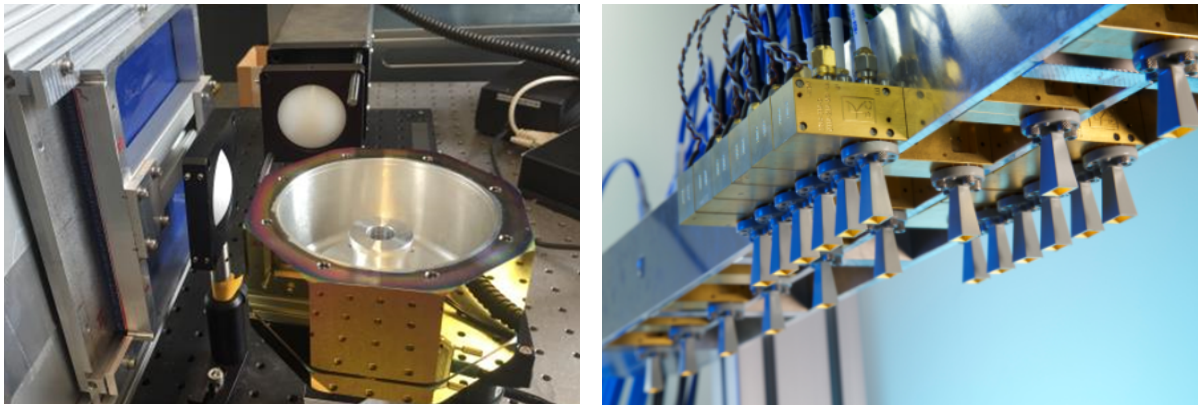


# Terahertz Imaging in Industry

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Within the recent decade many different active terahertz imaging systems have been developed, as exemplary given in [1]. Potential suitable concepts for industrial applications range from fast quasi-optical single- or few-pixel scanning approaches [2] over integrated multi-pixel camera solutions [3] to mono- or multi-static synthetic imaging setups [4]. While nowadays especially commercialized integrated terahertz cameras receive a great interest, many industrial application scenarios require individually designed terahertz imaging solutions, which profit from the wide variety of previously developed terahertz imaging concepts. Within this contribution, our recent industrial projects, which concern the realization of customized imaging systems, will be addressed. Furthermore, our latest developments of a sparse multi-static imaging concept for future industrial 3D terahertz inline-inspection will be discussed.



*Fig. 1. Test setup with polygon terahertz line-scanner (left), multi-static imaging array for terahertz inline inspection (right).*

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