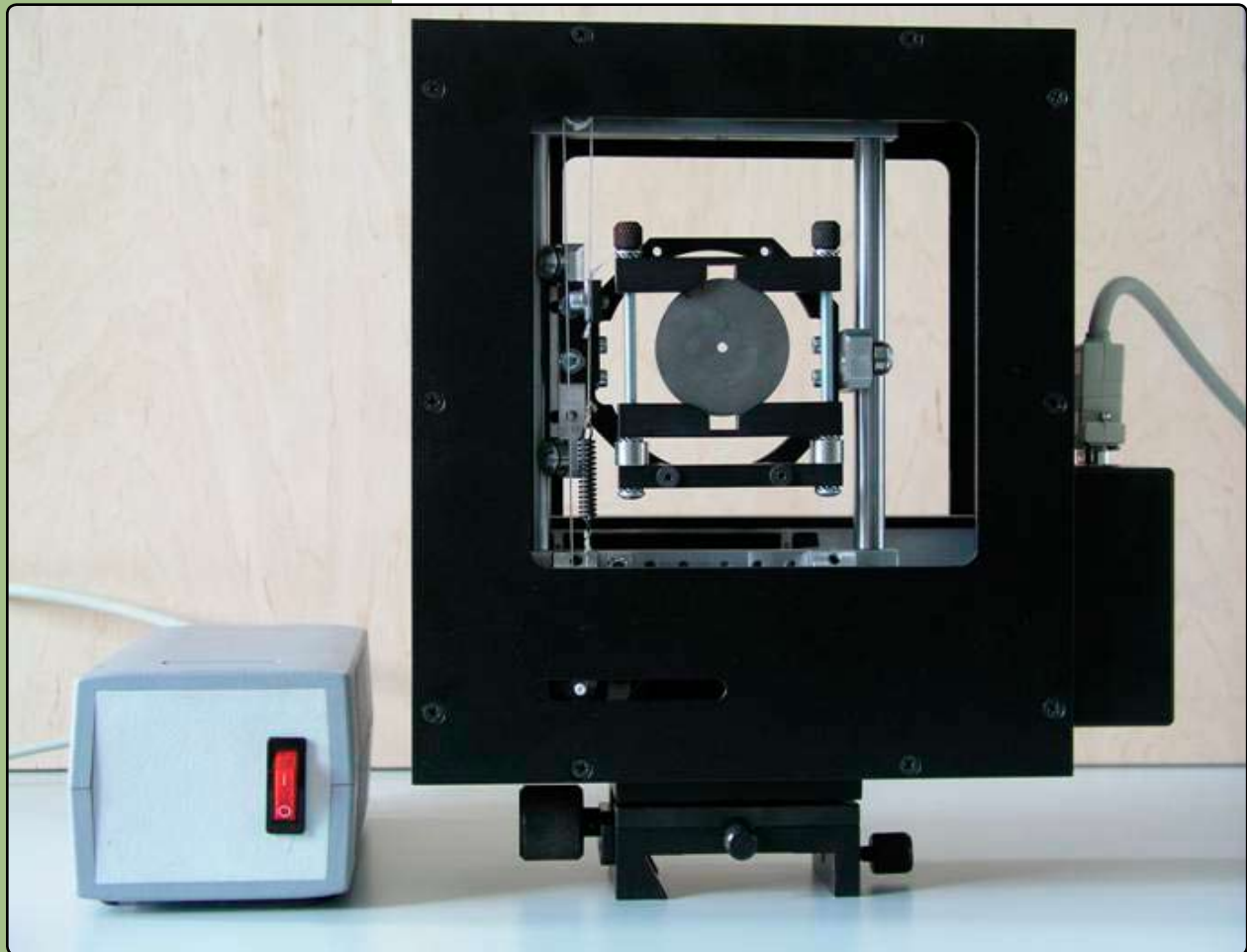
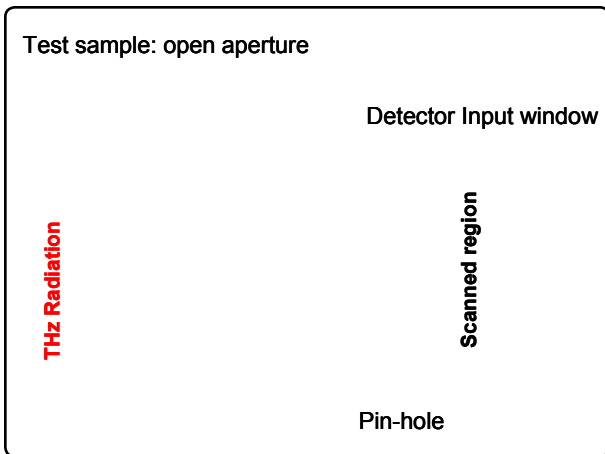


THZ IMAGING SYSTEM

Computer controlled THz imaging system takes advantage of high power of BWO-based THz generators and high sensitivity of Golay Cell.

The system designed to operate in the range 100 GHz – 1.42 THz. It provides for scanning range of 2-4 cm with spatial resolution up to 100 μm .



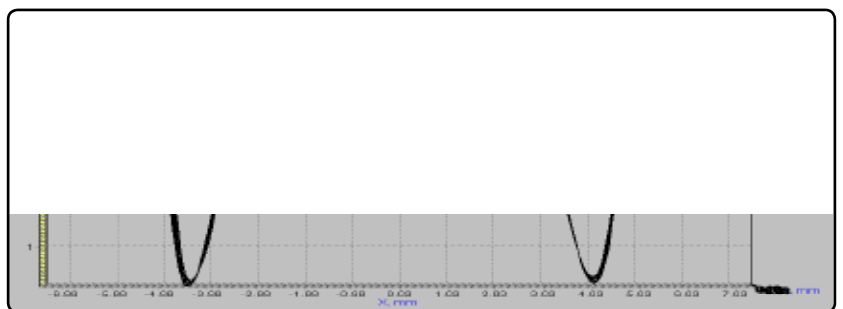
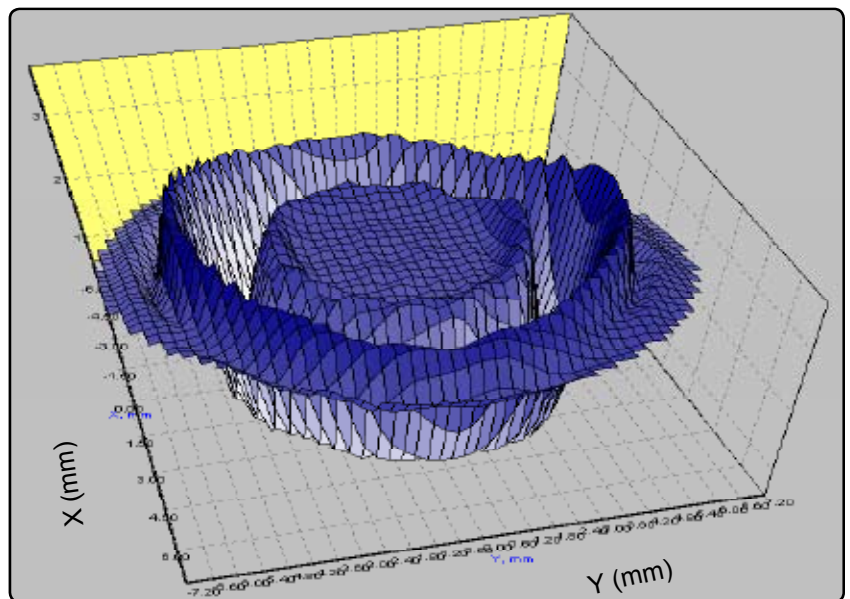


Operating Principle

Two dimensional THz images are obtained by scanning the THz detector/pin-hole assembly

THz image obtained using 300 GHz radiation.

Spatial distribution of intensity (up) and its plane cut (down). Scanned region 15 mm, step 100 μm .



X (MM)

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