



# **Pioneers of radiation measurement technology**

Since 1949 - Made in Germany

[www.graetz.com](http://www.graetz.com)

# Innovation, precision & reliability

Since its foundation in 1949, GRAETZ develops and produces innovative radiation measuring instruments with high precision and reliability. Our mission has been the same since the beginnings of our company: to provide people with a „technical sensory organ“ for protection from harmful ionizing radiation.



## Electronic personal dosimeters

Measuring gamma and X-rays for the dose equivalent  $H_p(10)$



## Dose rate meters

Instruments for ambient dose rate equivalent  $\dot{H}^*(10)$  and ambient dose equivalent  $H^*(10)$  (local dose) of gamma and X-rays



## Gamma radiation warning devices for gamma and X-rays

Devices to determine nuclear danger areas



## Radionuclide identifier (RID)

Detection of gamma, beta, neutron and cosmic radiation, identification of special nuclear material and natural radioactive sources, measurement of X-ray and gamma exposure



## Portable contamination monitors

Highly sensitive measurement of  $\alpha$ -,  $\beta$ - and  $\gamma$ -contaminations



## Telescopic instruments

Measuring high dose rates up to 10 Sv/h ambient dose equivalent rate  $\dot{H}^*(10)$  from a safe distance in „hard-to-get-to“ places (extendable up to 4 m)



## Area monitors

Stationary monitoring systems with different kinds of external probes and measurement ranges for dose rate measurement of ambient dose equivalent rate  $\dot{H}^*(10)$



## Special radiation protection equipment for fire brigades & military

Special equipment for relief forces for nuclear operations to different hazard potentials and responsibilities





**FIRE BRIGADES AND  
CIVIL DEFENCE**

**NON-DESTRUCTIVE  
TESTING (NDT)**

**INDUSTRY**

**NUCLEAR  
MEDICINE**

**RESEARCH AND  
EDUCATION**

# Areas of application

We supply reliable radiation measuring instruments for a wide range of industries and applications worldwide. Fire brigades, civil defence, but also customers from industrial, medical, educational and research branches trust in GRAETZ quality „Made in Germany“.



## Customized product development & design

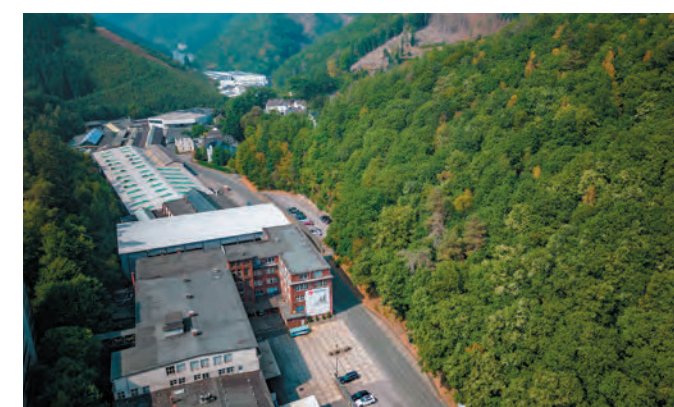
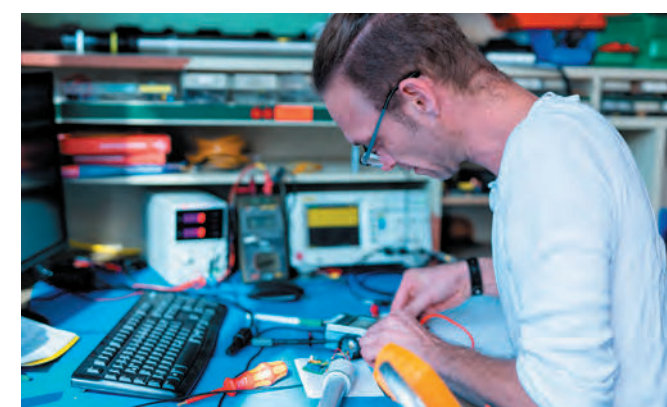
*The functionality of our products is always tailored to the requirements of the user. For example, our product GammaFlash, which was developed in close co-operation with the Hamburg Fire Brigade.*





## Innovation is in our DNA

In over 70 years, we have always set standards in radiation measurement technology. With our latest product innovation, **RadXplore-ident**, we are once again bringing a ground breaking product to the market: an ultra-compact, robust and sensitive radionuclide identifier (RID) that features a wide energy range, high throughput and excellent stability with outstanding application possibilities.



## Certified quality, maintenance & services

At our headquarters in Altena (Germany) we are developing and producing reliable and precise radiation measurement and warning devices. In order to ensure our high quality standards, we rely on the management systems ISO 9001 as well as NATO standards (Military). We also ensure that our customers devices remain ready for use: from regular checks to calibration (traceable to the SI units and approved by the National Metrology Institute of Germany, PTB) and repairs. On request, we provide customers with suitable training on the use of the specific GRAETZ radiation measuring instruments.





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