



## Thierachern Facility

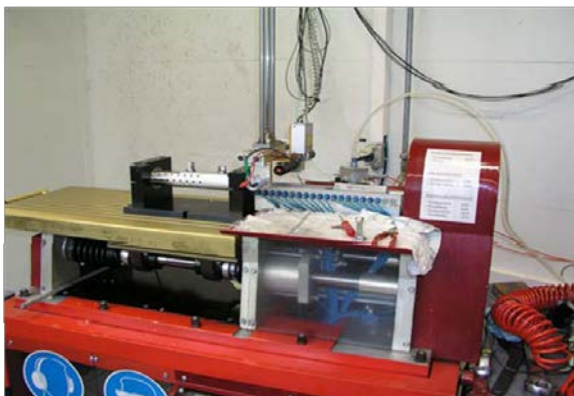
The Thierachern Facility is the centre of competence for the safe disintegration of ammunition and explosives. Safety rooms and special facilities for the protection of personnel and surroundings as well as facilities for the testing of components and the simulation of weapon and ammunition technical processes are the main features of this infrastructure.



Overall view of Thierachern Facility



Manual activities behind protection



Electromagnetic mass accelerator for the simulation of ignition processes with ammunition

### Technical data

- Area with several buildings shielded from each other by protective barriers with special safety concept
- 3 separate protective cells (l x w x h: 6 m x 5 m x 4 m)

Permitted amount of explosive per room = 10 kg  $Q_{TNT}$

- Manipulator  
Manipulation of sensitive ammunition components by means of indirect grapples (from nuclear technology)

### Characteristics / description

- Typical activities on ammunition and explosives:
  - Turning, milling and sawing with remote control behind protection
  - Extraction of cartridge ammunition
  - Various measurements behind protection
- Simulation and component testing:
  - Testing of components with explosives
  - Measuring, evaluation and interpretation of short-time events (pressure, force, acceleration, light, etc.)
  - Simulation of weapon and ammunition technical processes