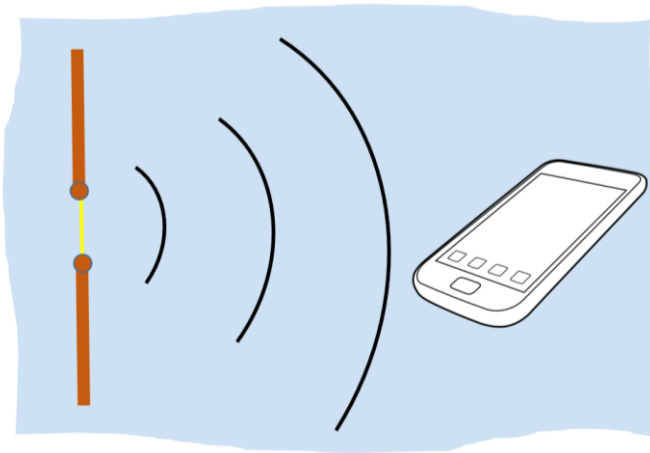


09 – PULSED POWER FRAGMENTATION

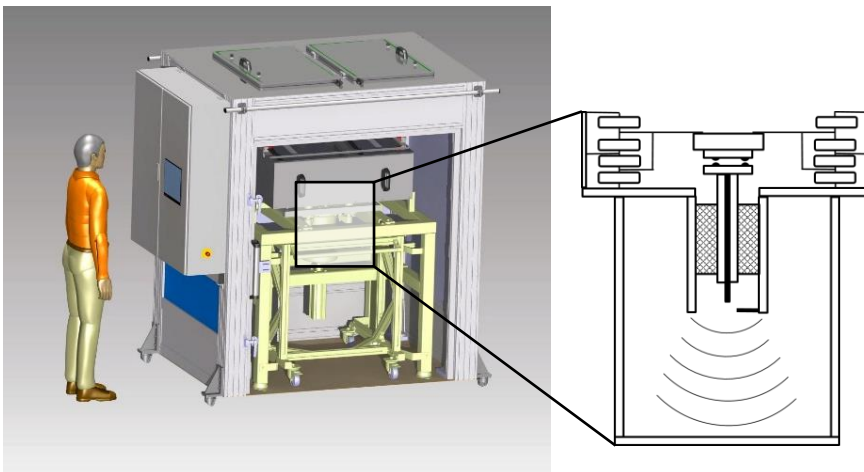


ELECTROHYDRAULIC FRAGMENTATION



- fragmentation and separation of composite materials using shock waves in water
- high current electrical discharge in water induces shock waves
- cleaner separation of different materials compared to standard impact crusher

FRAGMENTATION DEMONSTRATOR



- demonstration of newly developed high-efficiency fragmentation system
- proof-of-principle with mobile phone processing
- technology is scalable to higher throughput

RESULTS



- separation of metal containing parts and housing
- liberation of valuable components – vibration alerts, loud speaker, ... – for further processing
- complete removal of electronic components from PCBs