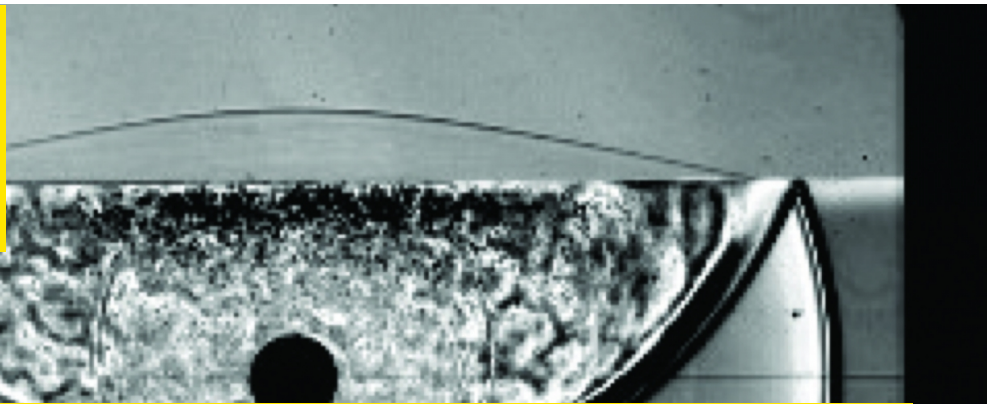




UNSW
SYDNEY



Underwater Blast Wave Facility

The study of blast behaviour in liquids at high pressures.

Competitive advantage

- The ability to study blast waves under water at very high pressures that, unlike most facilities that use explosive pellets to generate the blast wave, uses the spark generated by a high-powered pulsed laser focused into the water
- The only facility of its kind that is capable of operation at pressures of up to 50 MPa

Impact

- This unique facility has a number of potential applications to personnel safety, protection of platforms and the design of future equipment, including:
- Study of the behaviour of blast waves in water at depth
- Investigation of the effects of blast on human/animal tissue

Successful applications

- Non-thermal sterilisation of meat, Australian Meat Processing Corporation

Capabilities and facilities

- High-speed visualisation and high-speed, high-pressure measurement technologies to investigate the transient processes

Our partners

- Australian Meat Processing Corporation

More Information

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