

COMPETITIVE ADVANTAGES

- In vitro tests **close to clinical reality**;
- **Experimental validation of prosthesis characteristics**;
- **Comparison of several prosthetic solutions.**

APPLICATIONS/MARKETS

- Odontology;
- Implantology.

INTELLECTUAL PROPERTY

- Patent in progress;
- Collaboration sought: subcontracting studies realized at the LEMTA;
- Readiness level: functional prototype.

LABORATORY

- Laboratoire d'Énergétique et de Mécanique Théorique et Appliquée (LEMTA).

CONTACT

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PRESENTATION

The experimental bench developed by the LEMTA laboratory of the University of Lorraine is made for **in vitro testing of large dental reconstitutions (prosthesis), and mechanical behavior of dental devices.**

The main interest of this testing bench is being able to test prosthetic reconstitutions in **close to clinical reality conditions**. To do so, the medical device is placed on an artificial mandible, with a mechanical behavior close to that of a natural mandible (material displaying mechanical characteristics close to those of natural bone tissue - takes into account occlusal efforts during different masticatory steps - takes into account mandibular kinematics).

