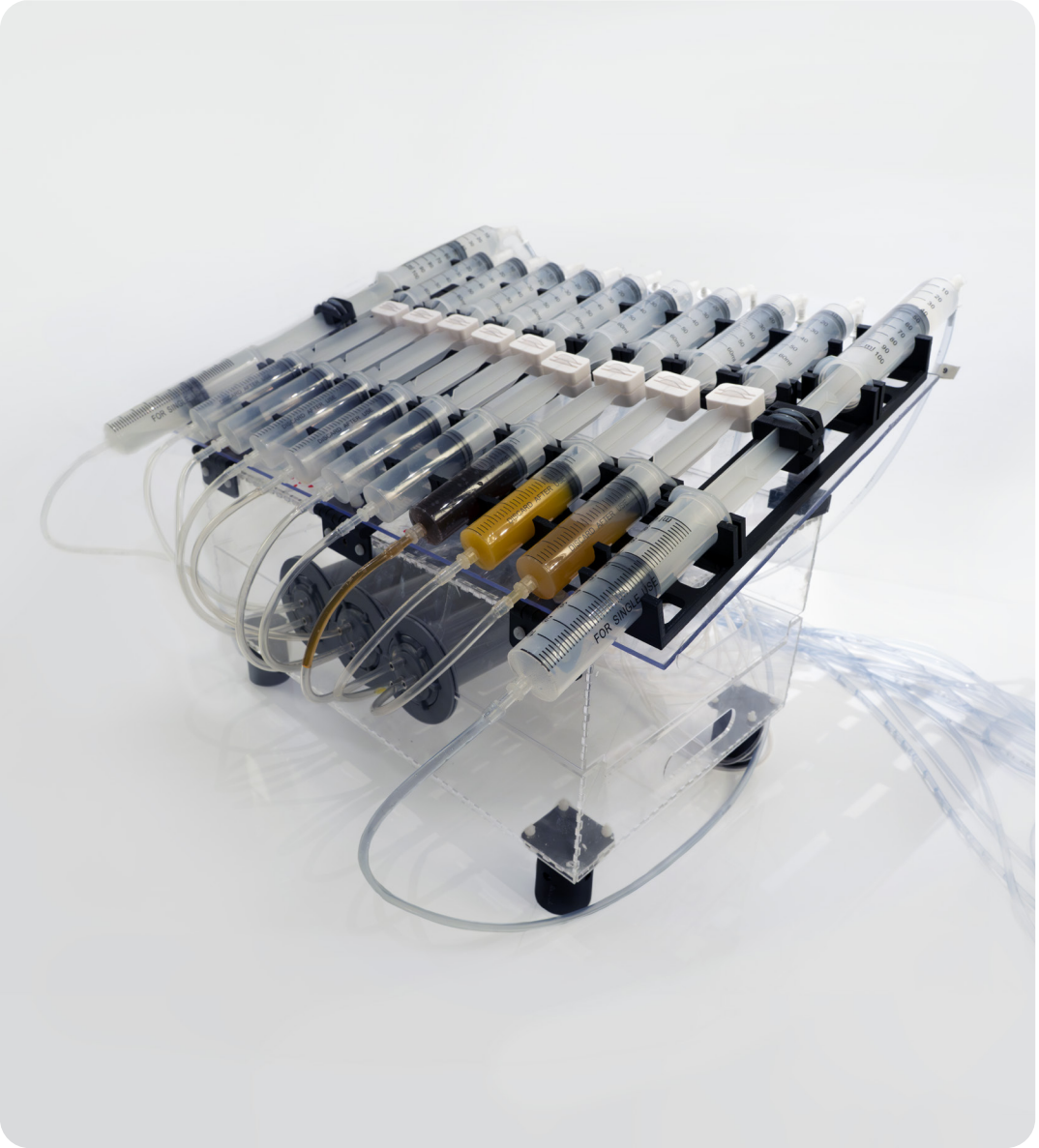
BRAIN IMPACT
CONSUMER NEUROSCIENCE



GUSTOMETER

Automated delivery of 9 taste solutions

Up to 9 liquids are delivered via syringes, controlled by micro-pumps. The system ensures accurate volume delivery and precise timing, ideal for fine-grained gustatory stimulation designs.

Dedicated rinsing channel

A separate channel delivers water or a neutral solution between trials to ensure reliable mouth cleansing and minimize cross-stimulation effects.

Controlled liquid temperature *(cooling & heating)*

Each channel is independently temperature-regulated, allowing the delivery of warm or cold stimuli.

fMRI-compatible design

Compact and built with non-ferromagnetic materials, the system is optimized for MRI environments with minimal interference.

Advanced control system

Intuitive interface with full control over stimulation sequences, timing, volume and temperature; fully compatible with PsychoPy for seamless integration into experimental workflows.

APPLICATIONS

Flavor perception

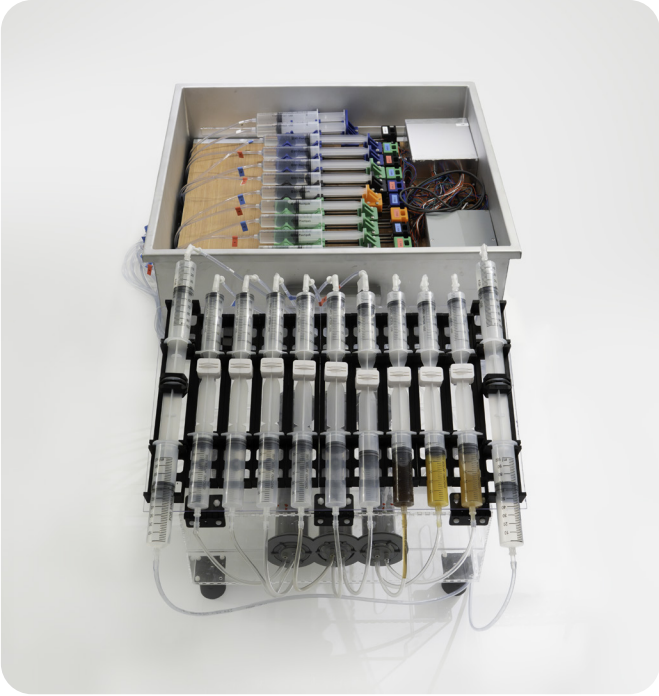
Study of behavioral mechanisms involved in taste and flavor integration.

fMRI protocols

Controlled experiments to assess brain responses to gustatory stimuli.

Clinical research

Support for studies on eating disorders and taste dysfunctions.



TECHNICAL SPECIFICATIONS

Number of channels:

9 taste + 1 rinse

Syringe volume:

60 mL per channel

Flow precision:

± 0.05 mL

Temperature range:

4 – 45 °C

Tube material:

MRI-compatible, food-grade certified

Control interface:

USB / PsychoPy

Dimensions:

W × D × H: 67.5 × 75.5 × 32.5 (+ 26) cm

Weight:

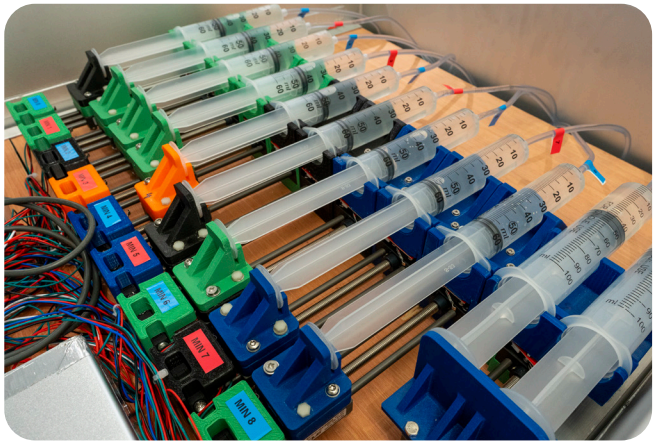
15.2 kg

Power supply:

Universal input (110-220 V)
Compatible with EU and US standards

Hygienic design:

Single-use intraoral tubing for each participant



WHAT'S INCLUDED?

- Control unit 10 syringes (60 mL)
- Tubing set
- Power supply
- Advanced interface
- User manual (PDF)

CONTACT US

For more information, to schedule a demo or request a quote:

info@brainimpact.eu

+33 6 95 76 23 19