

EXPLORE THE DARK SIDE

Ugo Basile IR transparent maze series





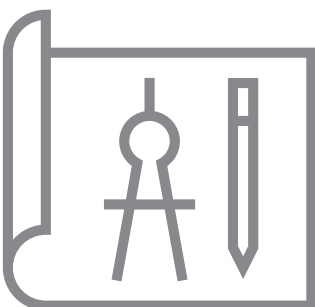
Built with high quality standards for reliability and long lasting

Ugo Basile's Animal mazes offer a complete solution to support scientists to make behavioural experiments easy and accurate. Designed to simplify the work of scientists and obtain precise data, contributing to scientific progress

Fields of application

Anxiety and Stress | Memory and Learning | Spatial Memory | Activity and Exploration

We design the mazes you need



Mazes are among the most popular tests used by researchers working in the field of behavioural research.

For over six decades, Ugo Basile has been developing animal mazes designed to guarantee sturdy, long-lasting and reliable products.

Ugo Basile offers a large variety of animal mazes to support all different behavioural experiments to measure the complex behavior of rodent.

All our mazes can be produced according to specific requirements.



Features designed to match scientists needs

Ugo Basile animal mazes are manufactured from the best material, in the color of choice and can be custom-built to your specific requirements

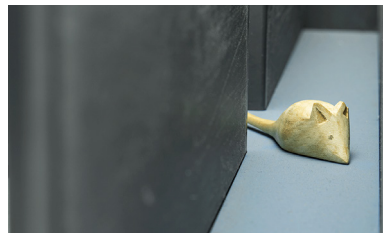
High-contrast colors for accurate experiments

Colors of Ugo Basile mazes are optimized to give excellent results with any Video-Tracking and any animal color.



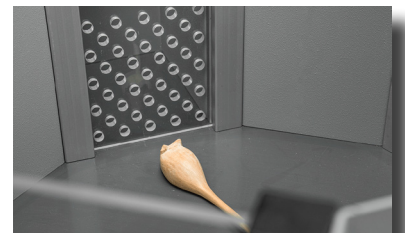
Non-reflecting surface

We select non-reflecting surfaces to guarantee optimal camera view avoiding glare caused by light sources.



Quality materials

In designing our mazes we select high quality materials to make our mazes reliable and durable.



Wide range of colors

Ugo Basile animal mazes are available in grey (standard), blue, white, black, or can come in any color scientists need.



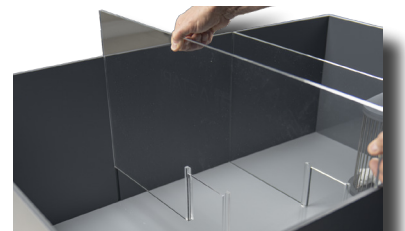
Reasonably non-smooth, "warm" surface texture

All mazes are built with selected non-slippery material to ensure best rodent comfort and minimize glare.



Easy as pie

Ugo Basile animal maze are easy to assemble, easy to clean and easy to store.



Traditional and IR transparent mazes

The perfect devices for your video-tracked behavioural experiments

All Ugo Basile animal mazes, both traditional and Infrared, provide **optimal results with video-tracking software** thanks to their **non reflective** and **very high contrast surface**.

Two approaches to achieve the best contrast

Grey mat color for dark and light animals

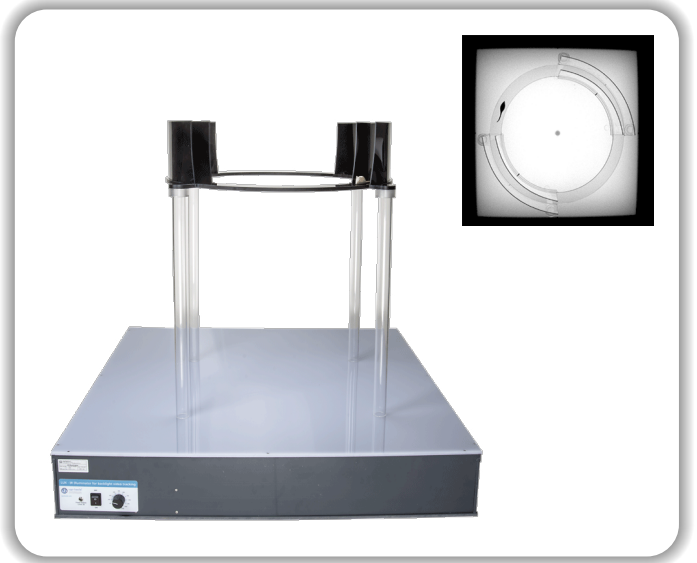
Ugo Basile worked on the best color shade to maximize the performance of your video-tracking experiment, regardless of whether you use light or dark animals.



Elevated Zero maze in grey standard color

Infrared back-lit illumination

All applications that requires a super-accurate contour of the animal or need darkness will benefit from IR transparent floors and back lit IR illumination offered by LUX Infrared Illuminator.



IR Elevated Zero maze and LUX IR Illuminator, with infrared view from the video-tracking software

Ugo Basile IR transparent mazes

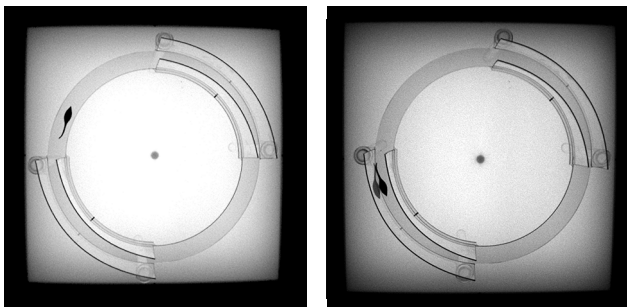
Highest contrast for the best video-tracking performance with any light

Ugo Basile IR animal mazes are manufactured with a **special plastic material transparent to IR illumination** which, thanks to **back-lit IR illumination** offered by **LUX Infrared Illuminator**, guarantee a super-accurate contour of the animal while performing video-tracking experiments in any ambient light condition.

IR-mazes are the perfect solution for:

Scientists that are looking for highest video-tracking performance

IR illumination from below delivers the best contrast for optimal video-tracking.



Scientists that are careful about the ambient light

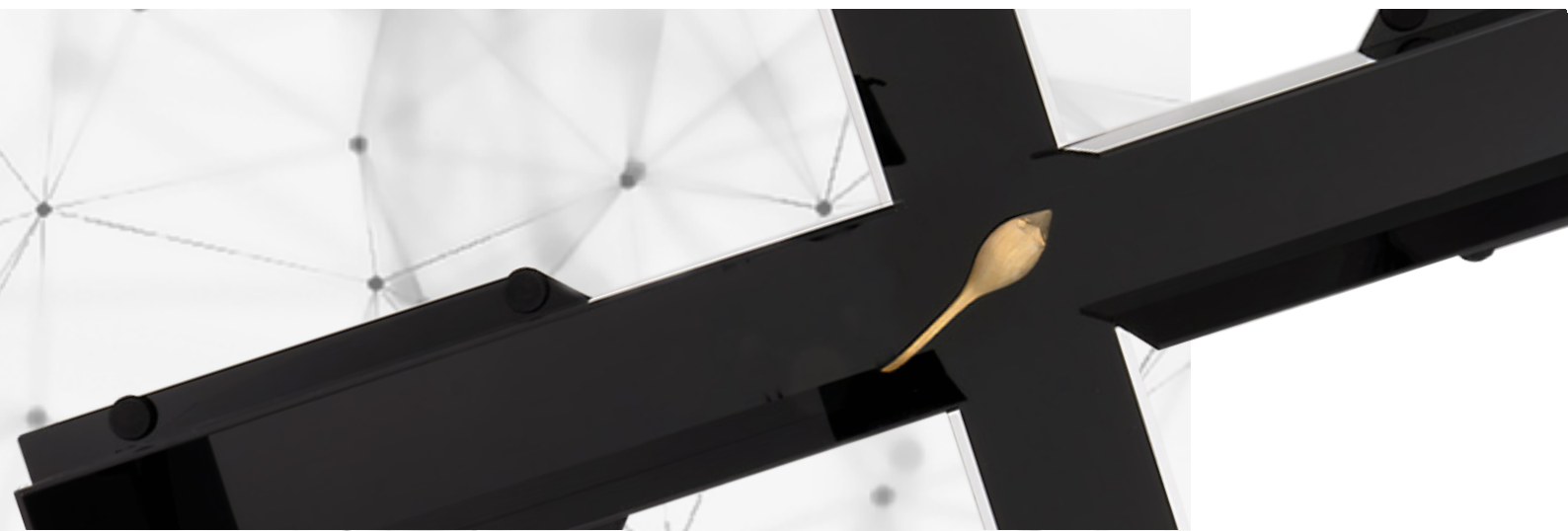
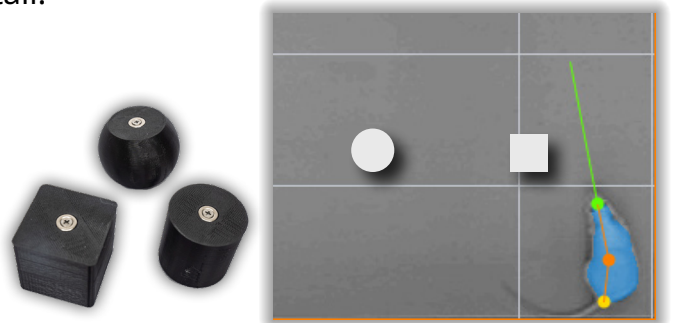
Ambient light is often difficult to control and can cause flickering, compromising the performance of video-tracking.

Scientists that need to run experiments in the darkness

Running experiments in the darkness contributes to eliminate possible cues or allow to work in alternate light cycles.

Novel Object Recognition (NOR)

NOR is a task used to evaluate cognition, where the best possible contrast is needed in order not to confuse head, center and tail.





LUX IR Illuminator

Back-lit IR illumination for accurate contour despite animal color

The LUX IR illuminator allows illumination from below for all the Ugo Basile IR mazes, which are made of an IR translucent plastic. This has the double advantage of:

- Making experiments in the darkness easy.
- Enhancing the contrast for better detection, no matter the animal color and the ambient light.



LUX IR Illuminator is available in 3 sizes: 70x70 cm, 60x80 cm, 100x100 cm.

These sizes allow all Ugo Basile mazes to be positioned over the LUX and run extremely high-contrast video-tracking experiments.

It guarantees a uniform illumination and incorporates IR light intensity knob.



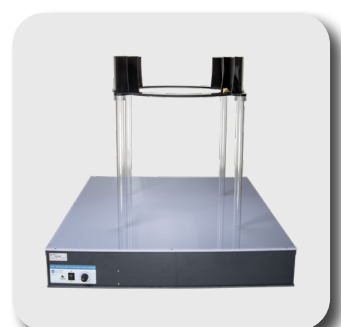
*IR Circular Open Field
on IR Illuminator*



*IR Square Open Field
on IR Illuminator*



*IR Y-maze
on IR Illuminator*



*IR Elevated Zero maze
on IR Illuminator*

Ugo Basile mazes

Ugo Basile animal mazes come in traditional and IR transparent version
The choice is super-broad to match your science



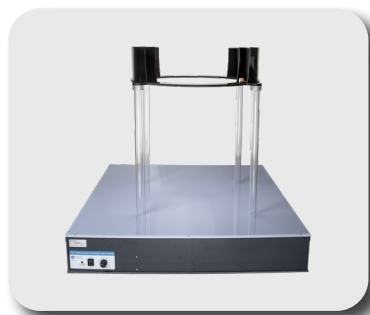
Elevated Plus maze



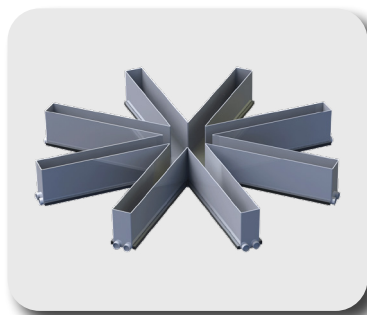
T-maze



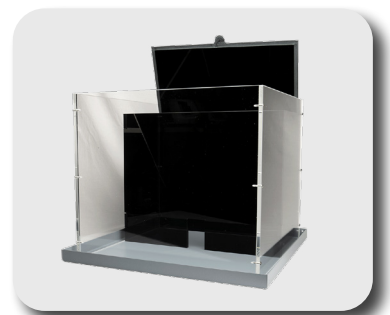
3-chamber Sociability



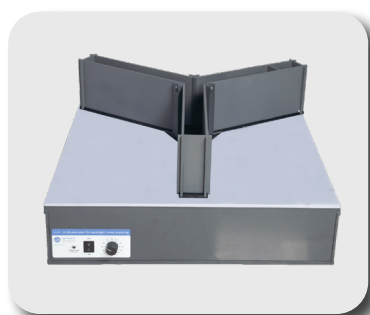
Elevated Zero maze



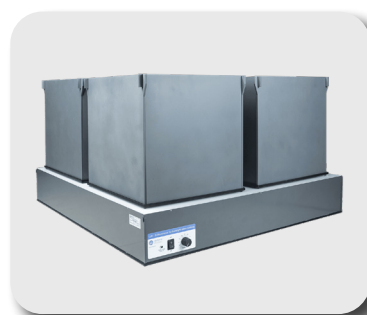
Radial maze



Light/Dark box



Y-maze



Square Open field



Circular Open field



IR-transparent
animal mazes for
video-tracking



Traditional animal
mazes for video-
tracking

Main Features

✓	IR transparent for best video tracking performance	-
✓	Back lit illumination for accurate contour despite the color of the animal	-
✓	Possibility to run experiments in the darkness to avoid flickering problems caused by ambient light	-
✓	Quality materials for reliable and long-lasting mazes	✓
✓	Easy to ASSEMBLE, clean, dismantle and store	✓
✓	High-contrast for accurate experiments	✓
-	Wide range of colors to match scientists need	✓

Ugo Basile, your companion in discovery since **1963**

more than 40,000 citations in the main bibliographic search engines.

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