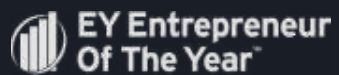


NEWSPACE MARKET · COMPANY PROFILE



Yuri

Germany · founded 2019 · yurigravity.com

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PRODUCTS

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SERVICES

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WITH DATASHEETS

newspacemarket.com/companies/yuri/

as of 20 August 2026



Yuri

Yuri GmbH is a German space biotechnology company headquartered in Meckenbeuren, Germany, specializing in microgravity research services. The company develops proprietary space laboratories and ground-based microgravity simulators for life science customers. As of 2024, Yuri has launched over 151 space labs, served 61 customers across 4 continents, and contributed to 138 space biology publications. Products include ScienceTaxi (automated ISS payload container), ScienceTaxi BioSpin (centrifuge-equipped ISS module), and the Cellbox biological research container series. In 2023, Yuri acquired the RPM (Random Positioning Machine) ground simulator technology from Airbus. A Luxembourg subsidiary (Yuri LUX GmbH) serves European institutional projects.

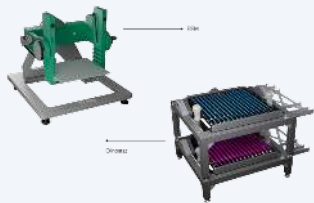
This profile is generated from the live NewSpace Market catalogue. Specifications are as published by the manufacturer; every product links to a page where a request for quotation reaches the company directly.

SERVICES

Services

Lab as a Service: In-Orbit Incubator and Bioprinter Yuri provides ready-to-use microgravity labs in orbit, handling launch, operation, and return of customer experiments.	On-orbit execution Yuri provides the execution of experiments in orbit, covering the operational phase of space life-science missions.
Post-flight analysis Yuri conducts analysis of data and samples after their return from space, completing the research mission lifecycle.	Science as a Service Yuri acts as an end-to-end microgravity CRO, managing everything from study design to data analysis for drug discovery and toxicity studies.
Study design Yuri assists with the initial conceptualization and design of microgravity life-science studies.	

Product catalogue



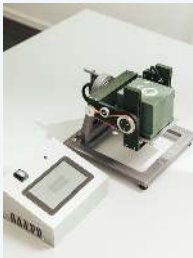
YURI

Yuri Clinostat

Compact 2D ground-based clinostat for simulating microgravity and partial-gravity conditions, sized for use inside standard lab incubators.

Simulation dimensionality	Simulates microgravity in 2 dimensions
Form factor	Fits into standard lab incubator
Simulated gravity range	10 ⁻³ g to 0.9 g (e.g. Moon or Mars gravity)
Sample capacity	Supports up to 45 samples
Compatible sample sizes	1–15 ml
Control unit	Located outside the incubator for permanent surveillance and control
Software	PC and software included to operate the Clinostat and monitor its parameters

price on request [datasheet](#)



YURI

Yuri RPM (Random Positioning Machine)

Ground-based Random Positioning Machine (formerly Airbus) that simulates microgravity in 3 dimensions for scientific, educational and industrial applications.

Origin	Formerly Airbus RPM, now Yuri; developed >20 years ago
Adoption	Used by more than 60 research groups globally, including NASA and ESA
Motion modes	Clinostat, random, partial-g
Simulated gravity range	10 ⁻³ g to 0.9 g (e.g. Moon or Mars gravity)
Experiment mass support	Up to 1.5 kg
Experiment size support	< 15 x 15 x 15 cm ³
Mounting platform	Adjustable in height

price on request [datasheet](#)



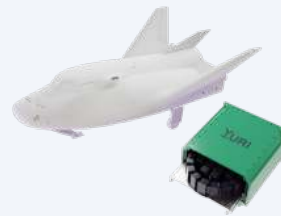
YURI

Yuri ScienceShell Portfolio

Flight-proven family of modular experiment containers (outer shells) and inserts (inner shells) for cell culturing, plant growth and aquatic research aboard ScienceTaxi.

Type IV — application	Active cell culturing in microgravity; most commonly used ScienceShell; flown several time
Type IV — culture chambers	Two culture chambers, 10.8 ml ± 0.3 ml each
Type IV — media tank	One tank for nutrient or fixation media, 22 ml ± 0.3 ml
Type IV — media exchange duration	Approx. 10 min total, approx. 5 min per exchange
Type V — application	Active cell culturing in microgravity; flexible configurations (fluidic system, scientific
Type V — culture chamber	One culture chamber, 13.5 ml ± 0.3 ml
Type V — media exchanges	Two media exchanges: Refreshment Medium and Fixative

[price on request](#) [datasheet](#)



YURI

Yuri ScienceTaxi

Modular, fully automated space incubator hosting up to 38 experiment containers (ScienceShells) for ISS and next-generation orbital platforms.

External width	460 mm
External length	549 mm
External height	273 mm
Internal volume length	400 mm
Internal volume width	380 mm
Internal volume height	190 mm
Payload mass	< 33 kg

[price on request](#) [datasheet](#)



YURI

Yuri ScienceTaxi BioSpin

Centrifuge-equipped variant of ScienceTaxi enabling up to 38 individual life-science experiments per launch with adjustable simulated gravity.

Experiment capacity	Up to 38 individual experiments per launch
Gravity control	Adjustable centrifuge gravity levels, referenced to Earth, lunar, or Martian gravity
Temperature control	Controlled temperatures with real-time data collection
Development time	Developed and tested for 3.5 years by Yuri's Luxembourg engineering team
Maiden mission	HUMB mission, Cygnus NG-23, launched September 2025
Launch/transfer	Launched on Cygnus; transferred to SpaceX Dragon while docked at ISS

price on request

[datasheet](#)

Contact Yuri

Open the company profile on NewSpace Market to see full specifications and datasheets, and to send a request for quotation that reaches the manufacturer directly.

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