PRODUCTS & LAB SOLUTIONS



QUANSER DIGITAL EXPERIENCES

Quanser believes that hands-on laboratory experiences are a pillar of effective engineering education. Quanser Digital Experiences are designed to supplement physical hardware by empowering students to explore and validate complex theories at their own pace, at home or where ever they are.

QUANSER INTERACTIVE LABS



Quanser Interactive Labs are credible, high-fidelity virtual lab experiences based on Quanser physical systems.

QLabs Virtual Experiments leverage MATLAB®/Simulink® to interact with dynamically-accurate virtual representations of a suite of essential Quanser systems. QLabs Controls includes a self-contained experiment console with integrated introductory Controls curriculum.



Look for the Quanser Interactive Labs symbol to see which hardware has a Quanser virtual equivalent

EXPERIENCE CONTROLS



Quanser's interactive Experience Controls textbook app is designed to introduce students to control systems fundamentals using dynamic simulations based on real-world systems.

Available for free on the App Store, Google Play, and HUAWEI App Gallery.

LEADERS IN RESEARCH VALIDATION

Quanser offers researchers complex platforms for bridging the gap between advanced theoretical concepts and real-world implementation. With open-architecture design and turnkey, flexible studio solutions, Quanser systems are the only platforms that allow you to quickly establish research-ready labs in an academic setting.











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SELF-DRIVING CAR RESEARCH STUDIO

Quanser's Self-Driving Car Research Studio is the ideal platform for enabling cutting-edge autonomous vehicle research and development. Consisting of QCar autonomous vehicles, ground control station, and studio workspace with reconfigurable floor panels and traffic signs.



AUTONOMOUS VEHICLES RESEARCH STUDIO

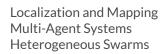
Quanser's Autonomous Vehicles Research Studio is the only way to build a multi-vehicle research program in the shortest amount of time. Consisting of QDrone quadrotors, QBot 2e ground vehicles, ground control station, localization system, and safety equipment.







Task-Space Automation Singularity Avoidance Image Processing Obstacle Avoidance





OMNI Bundle



Mapping and Navigation Object Recognition Machine Learning Neural Networks







Frequency Response Analysis Structural Health Monitoring Payload Stabilization Structural Dynamics



Shake Table I-40





QArm

Hexapod

TRANSFORMATIONAL ENGINEERING LABS

Quanser is the world leader in progressive technology for engineering educators and researchers. Over 2,500 academic institutions rely on Quanser lab solutions to help them educate a new generation of engineering leaders, and make exciting discoveries in controls, robotics, and autonomous vehicle research.

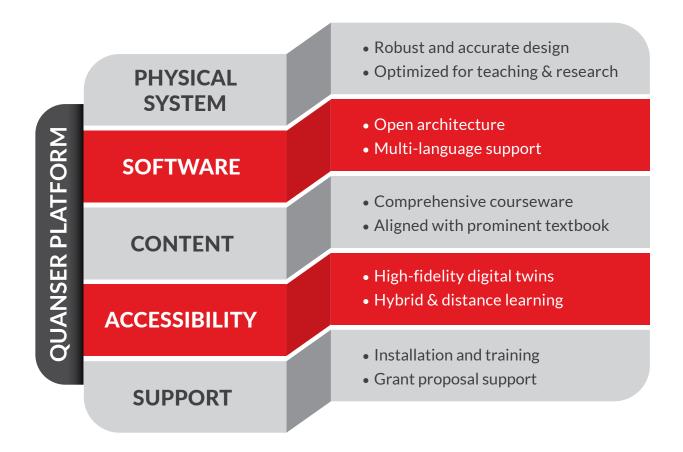
A VALUED ACADEMIC PARTNER

With a history spanning 30+ years, Quanser has established itself as a valued partner in the global academic community. Institutions trust Quanser to strengthen their reputation through transformative teaching and research labs that faithfully bring engineering concepts to life.

PASSION FOR ENGINEERING EDUCATION

With an in-house team of curriculum specialists and workflows that are highly optimized to the academic setting, each Quanser platform works in tandem with comprehensive curriculum resources designed to be academically-appropriate and increase student skill and understanding.

GLOBAL STANDARD IN ENGINEERING LABS







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