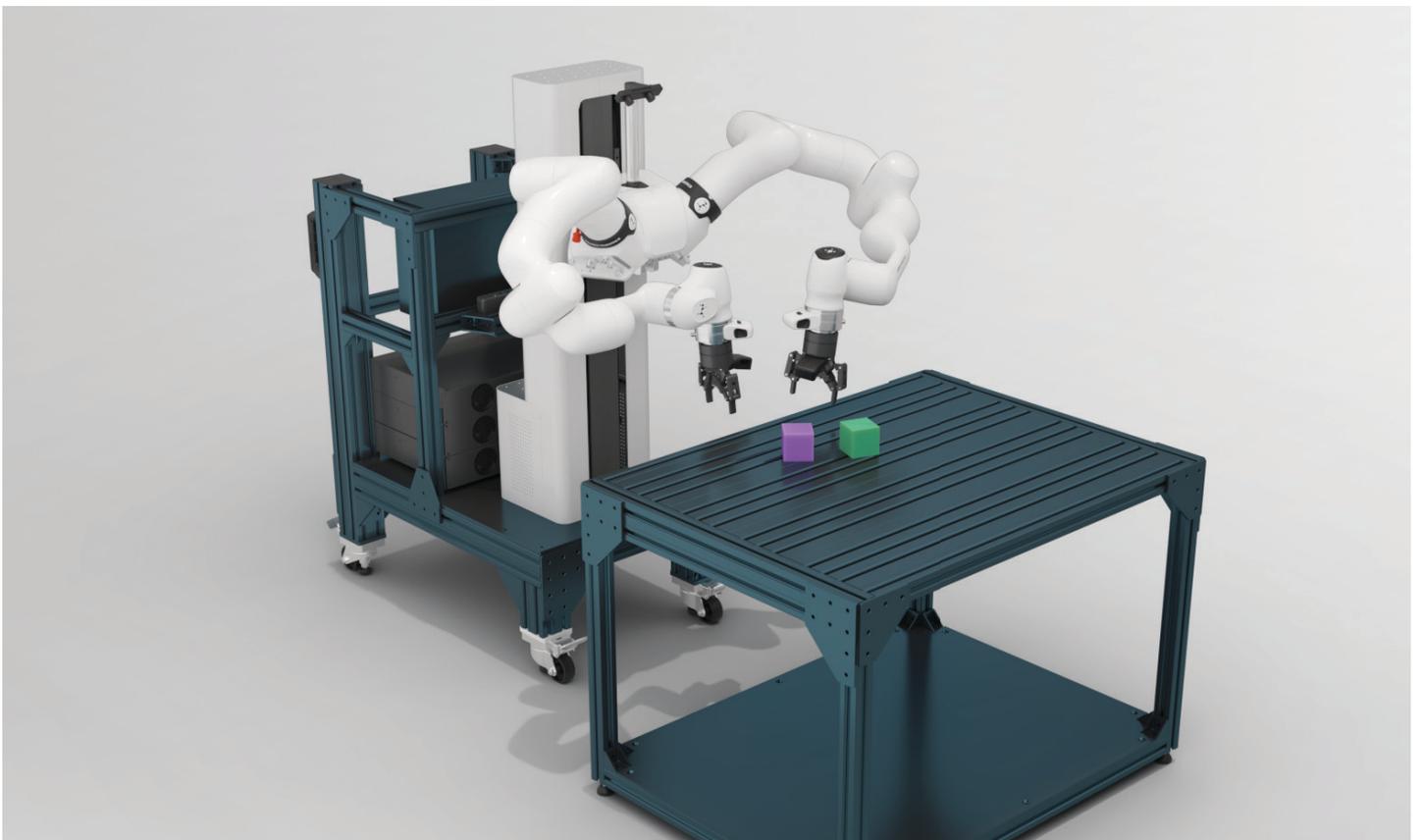


# FR3 Duo

Prototype

FR3 Duo is a dual-arm system for embodied AI research that unifies teleoperation, data collection, and policy execution on one optimized platform. Deliverable with curated manipulation actuators and vision sensors, it reduces integration efforts and provides a reproducible setup that ensures comparable results across labs.



## 1. Three-in-One Full AI Workflow Coverage

FR3 Duo enables demonstration, dataset generation, and policy execution with a single system. Researchers can demonstrate bimanual skills, collect highest-quality data (including tactile data), and deploy and benchmark policies - with low-level 1 kHz control access through Franka Control Interface (FCI).

## 2. Standardized Datasets at Scale

A reproducible hardware and sensor configuration allows researchers to generate high-quality manipulation data, reuse datasets from other labs, and fine-tune or benchmark models under shared conditions. This is what makes FR3 Duo the reference platform for physical AI research.

## 3. Optimized Reach and Manipulability

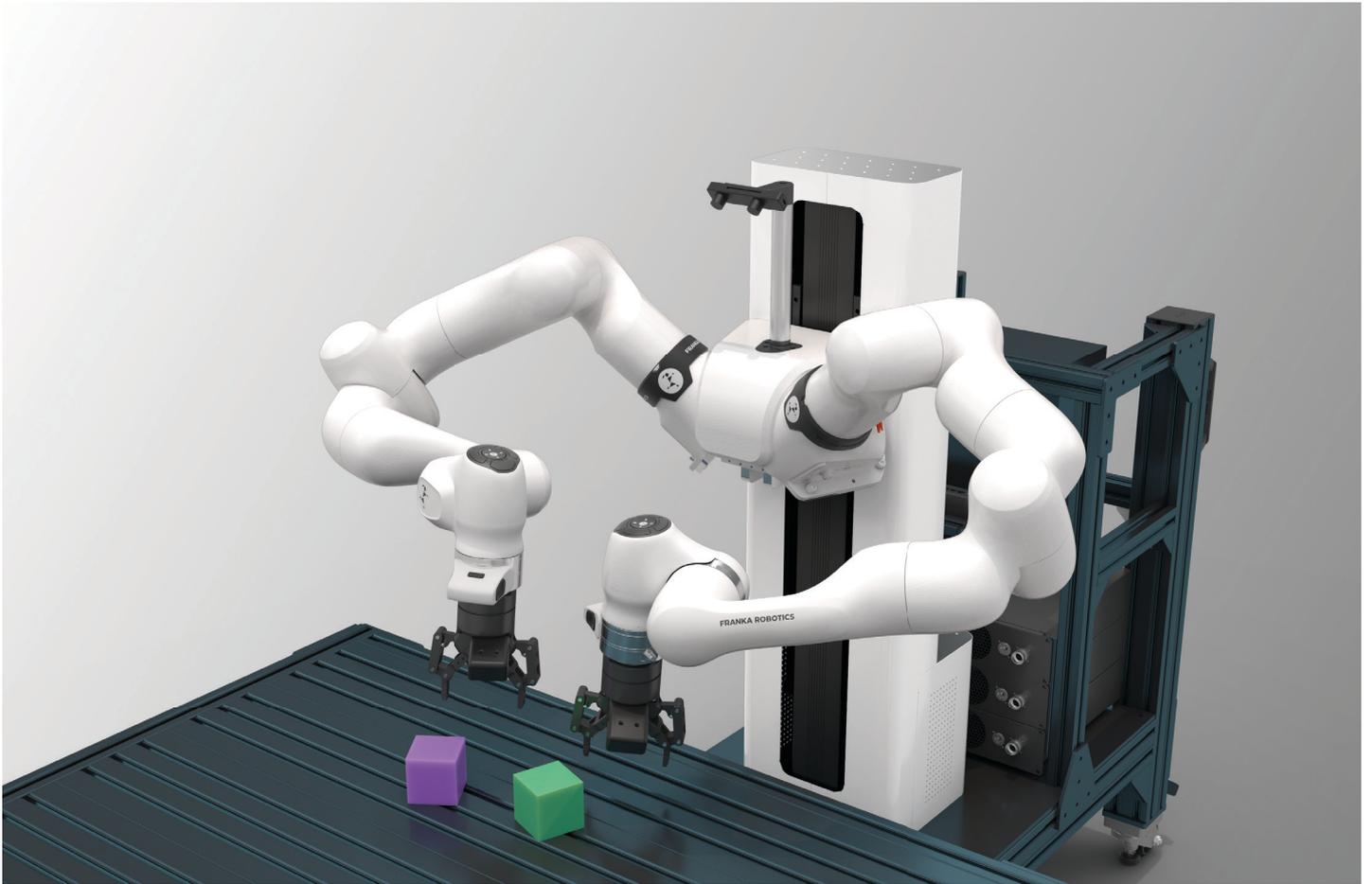
FR3 Duo's kinematics are specifically engineered for table-top research. The dual-arm configuration maximizes overlapping manipulability space while preserving reachability, providing high dexterity in a compact geometry suitable for laboratory environments.

Interested in FR3 Duo?

Learn more!

<https://franka.de/product-prototypes>





Reach per Arm  
855 mm



Payload per Arm  
3 kg



Torque Sensors per Arm  
7



DOF per Arm  
7



Expandability  
Mech. and electr.  
connection points



Vision  
Head,  
2x Wrists



Control Freq.  
1 kHz  
(FCI)



Total DOF  
17

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Interested in FR3 Duo?  
Contact our team!

<https://franka.de/contact>

