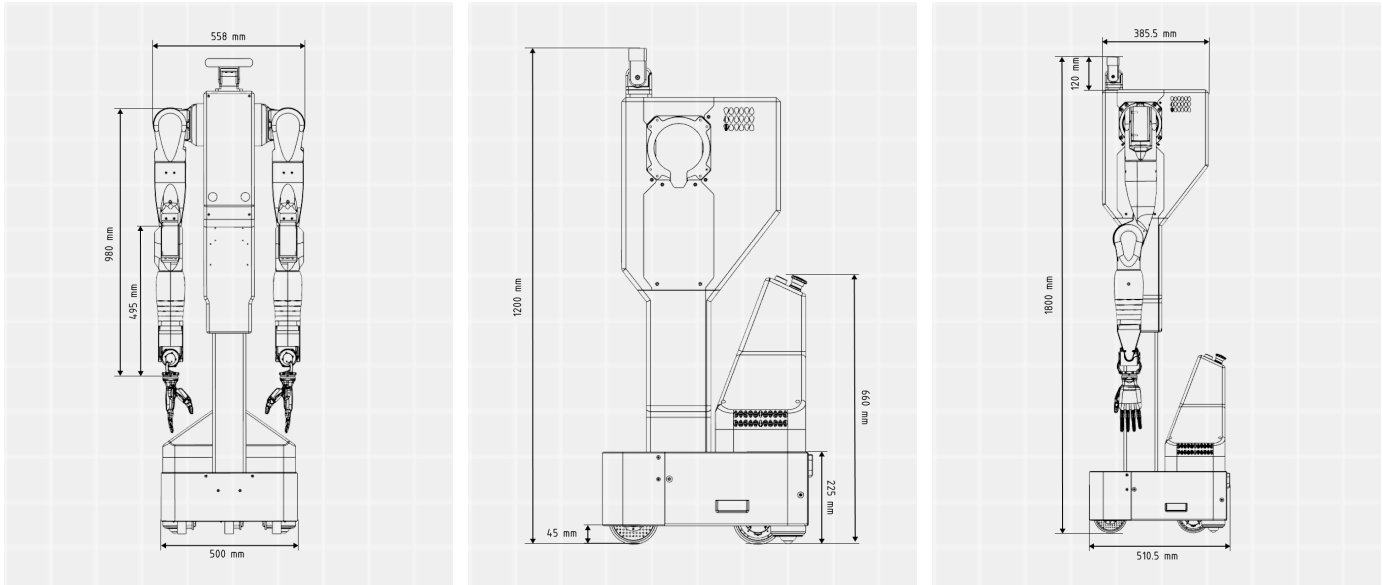


FEATHER

Full specifications

DIMENSIONS & REFERENCE VIEWS



SPECIFICATIONS

PARAMETER	VALUE	NOTES
Physical		
Total weight	~100 kg	Fully configured
Base footprint	525 × 525 mm	
Vertical height adjustment	600 mm travel	Torso column — adjustable working height
Max vertical lift speed	150 mm/s	
Mobility		
Drive type	Holonomic (omnidirectional)	360° movement — no turning required
Max ground speed	1.3 m/s	
Manipulation		
Total degrees of freedom	37 DoF	7 per arm · 2 neck · 1 torso · 6 base
Arm configuration	Dual bimanual	Single arm available as option
Arm DoF (each)	7	
Arm length	0.7 m or 1.0 m	Customizable at order
Single arm payload — peak	15 lb (6.8 kg)	5 second peak hold, fully extended
Single arm payload — rated	4 lb (1.8 kg)	Continuous sustained load

PARAMETER	VALUE	NOTES
End effector — standard	Inspire hands or parallel jaw grippers	Quick-release bus — field swappable
End effector — compatibility	Open — custom supported	Contact sales for integration details
Power		
Battery configuration	Dual hot-swappable packs	Zero downtime — swap without power-off
Battery voltage	48 V	
Battery capacity	50 A or 100 A	2.4 kWh or 4.8 kWh per pack
Sensing & Perception		
Head camera — options	Zed 2i · Zed X · Zed X Mini	Stereo RGB-D vision
Wrist cameras	Optional — both arms	Close-range manipulation feedback
Compute		
Onboard computer — options	Jetson Nano · Jetson Orin AGX · Jetson Thor	Customer-swappable · custom compute supported
IO & Interface		
Display	10" touchscreen	
Audio	4-microphone array with speaker	
Safety		
Emergency stop	Hardware button — dual location	Cuts all motion immediately
Collision detection	Built-in — software + hardware	Included in base SDK
Compliance	US-code compliant	Factory floor certified
Ingress protection	IP57	Dust-tight · submersion resistant to 1 m
Software & SDK		
SDK languages	Python 3.9+ · C++17	Open source — Apache 2.0
Motion planning	Built-in inverse kinematics	Real-time, included
Teleoperation	Built-in Direct Transfer Controller	Demonstration capture for imitation learning
Imitation learning accuracy	98%	DTC — single-pass demo to policy
Digital twin	Included	Sim-to-real pipeline
Commercial		
Starting price	\$32,995 \$29,995	Limited-time price — while supplies last. Fleet and custom pricing available
Lead time	Shipping today	US domestic; international by arrangement
Warranty	1 year parts & labor	Extended SLA available for fleets of 5+
Service	US-based · on-site available	Engineers will travel anywhere

