

AI Robotics

AI Cleaning Robot 54

AI Building Service Robot 65

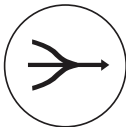


IMEC PHANTAS PRO

Commercial Ai Native Floor Cleaning Robot For Small Spaces
Code: 200-GSPT-PRO

Technical Specifications

Voltage	20 V
Battery	Li-ion (24 Ah)
Battery Lifespan	2,000 Times Full Charging
Charging Time	1.5 Hours
Run Time	Up to 4 hours
Noise Level	55 dB(A)
Water Tank	12 L
Recovery Tank	9 L
Dust Bag Capacity	6 L
Cleaning Coverage	Up to 3,000 m2/d
Suction Power	12kPa
Brush Pressure	9 kg
Cleaning Width	40 cm
Unladen Weight	48 kg
Dimension (cm)	54 (L) x 44 (W) x 61.7 (H)



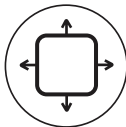
All-in-one Floor
Cleaning



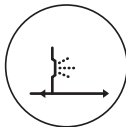
Floor Type
Recognition



Fully Enclosed
Machine Design



Zero Distance
from Edge



Industry-leading
Chassis System



Smart Integrated
Handle



Compactly Designed



Auto Water Refill & Discharge



Seamless Auto/Manual Mode
Transitions



Auto Water Refill & Discharge



Charging Dock



Workstation



Mobile Tank

IMEC ET1

Commercial Ai Native Floor Cleaning Robot For Compact Spaces
Code: 200-ET1

Technical Specifications

Voltage	24 V
Battery	Li-ion (35Ah)
Battery Lifespan	2,000 cycles (full charge)
Charging Time	3 hours
Run Time	Up to 4 hours
Noise Level	70 dB(A)
Water Tank	8L
Recovery Tank	7.2L
Trash Tray	2.5L
Cleaning Coverage	up to 3,000 m ² /h
Cleaning Width	40 cm
Suction Power	17kPa
Brush Pressure	18 kg
Roller Speed	Max. 800 rpm
Unladen Weight	45 kg
Dimension (cm)	50(L) x 38(W) x 58(H)



4-in-1 Versatile
Cleaning



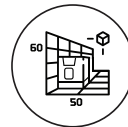
Real-time Roller
Mop Self-cleaning



8-in-1 Self
Cleaning Station



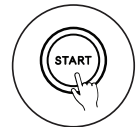
AI Magic Cleaning



Compact Design,
Agile Navigation



21.5" Advertising
Display



Auto Mapping,
One-click Start

**AI Magic
Cleaning**



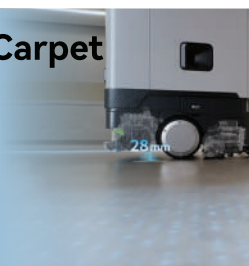
**21.5"
Advertising
Display**



**Compact
Design,
Agile
Navigation**



**Detects Carpet
Edges**



**Auto Mapping,
One-click
Start**



IMEC MIRA

Commercial Ai Native Floor Sweep & Scrub Robot For Medium-Sized Spaces
Code: 200-MIRA

Technical Specifications

Voltage	24 V
Battery	60 Ah
Battery Lifespan	2,000 Times Full Charging
Charging Time	1.5 Hours
Run Time	Up to 6 hours
Noise Level	60 dB(A)
Water Tank	22 L
Recovery Tank	20 L
Cleaning Coverage	Scrubbing: 2,016 m²/h Sweeping: 3,780 m²/h Dust Mopping: 3,124 m²/h
Cleaning Pressure	25 kg
Suction Power	18 Kpa
Unladen Weight	130 kg
Dimension (cm)	68 (L) x 55 (W) x 90 (H)



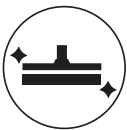
Automation
& Equipment
INNOVATION OF THE YEAR
WINNER



3 in 1 Cleaning



Auto Spot*
Cleaning



AI Components
Self-Monitoring



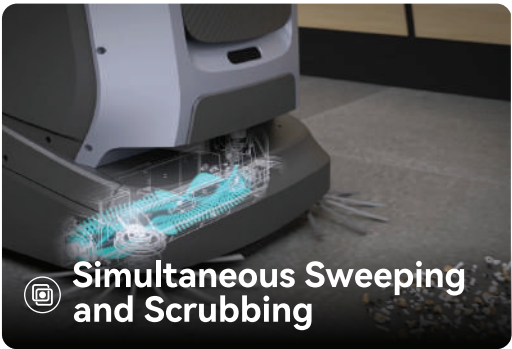
Fast Charging



5-Stage Filtration
System



Alert & Report
Interface



Accessories



Working Station



Mobile Tank

IMEC CC1 / CC1 PRO

Commercial 4-In-1 Ai Native Floor Cleaning Robot For Mid-Sized Spaces

Code: 200-1000-GRN
Code: 200-1000-PRO

Technical Specifications

	• IMEC CC1	• IMEC CC1 PRO
Voltage	24 V	24 V
Battery	Li-ion (60Ah)	Li-ion (60Ah)
Battery Lifespan	2,000 cycles (full charge)	2,000 cycles (full charge)
Charging Time	2.5 hours	2.5 hours
Run Time	Up to 6 hours	Up to 7 hours
Noise Level	70 dB(A)	70 dB(A)
Function	Sweeping, Dust Mopping, Scrubbing, Upright Vacuuming	Sweeping, Dust Mopping, Scrubbing, Upright Vacuuming & Ai Spot Cleaning
Water Tank	15L	15L
Recovery Tank	15L	15L
Trash Tray	0.75L	0.75L
Cleaning Coverage	up to 8,000m ² /d	up to 10,000m ² /d
Cleaning Width	up to 50 cm	up to 50 cm
Suction Power	17kPa	17kPa
Brush Pressure	18 kg	18 kg
Brush Speed	180 rpm	180 rpm
Unladen Weight	75/95 kg	75/95 kg
Dimension (cm)	63(L) x 62(W) x 66(H)	63(L) x 62(W) x 66(H)



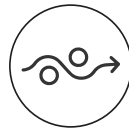
AI Spot Scrubbing
(CC1 PRO)



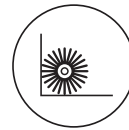
4 in 1 Versatile
Cleaning



Flexible Path
Cleaning



Smart Obstacle
Avoidance



Side Brush Edge
Cleaning



Multiple Surfaces Area
Cleaning

VSLAM+



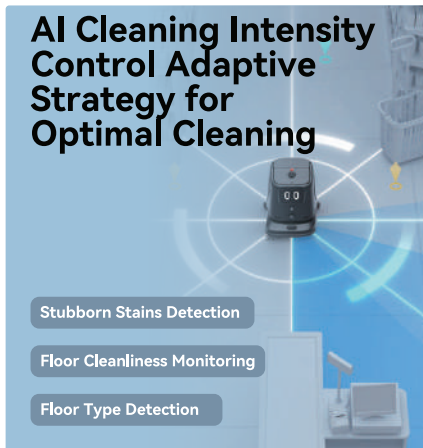
AI Spot Scrubbing



AI Real-Time Cleaning Performance Detection



AI Cleaning Intensity Control Adaptive Strategy for Optimal Cleaning



AI Components Self-Monitoring



NEW

• IMEC CC1
PRO



• IMEC CC1



reddot winner 2023



IMEC ECOBOT 50 / 50X OMNIE

Commercial Ai Native Floor Cleaning Robot For High Dynamic Environments

Code: 200-GS50-OMNIE (Ecobot 50 Omnie)

Code: 200-GS50X-OMNIE (Ecobot 50X Omnie)

Technical Specifications

	Ecobot 50 OMNIE	Ecobot 50X OMNIE
Brush Type	Disc Brush / Pad Holder	Roller Brush & Side Brush
Voltage	24V	24V
Battery Capacity	60Ah	60Ah
Net Weight	160 kg	150 kg
Cleaning Width	520 mm	406 mm with side brush: 780 mm
Max. Cleaning Efficiency	Scrubbing: 2621 m²/h Dust Mopping: 3604 m²/h	Scrubbing: 2046 m²/h Sweeping: 3931 m²/h Dust Mopping: 3604 m²/h
Dimension (cm)	81(L) x 70(W) x 107(H)	81(L) x 70(W) x 107(H)
Max. Run time	Dust Mopping: 6 hours Scrubbing: 4 hours	Sweeping: 6 hours Dust Mopping: 6 hours Scrubbing: 4 hours
Charging Time	1.5 hours	
Clean/Waste Water Tank	33L/24L	
Gradeability	8°	
Min. Pass Width	800 mm	
Min. U-turn Width	1100 mm	
Max. Cleaning Speed	1.4 m/s	
Sensor System	3D LiDAR, 2D LiDAR, 3D Depth Camera, Anti-Collision, Anti-Drop	



3 in 1 Cleaning



Auto Spot*
Cleaning



High Pressure,
More Efficiency



Fast Charging



5-Stage Filtration
System



Minimal Human
Intervention



360 Vision & Smart Navigation



Dual Roller & Side Brush Cleaning System



360 LiDAR



Spot Cleaning



Accessories



Charging Dock Workstation

Compatible Accessories



Brush Pad Holder





IMEC BG1 PRO

Commercial & Industrial Ai Native Floor Sweep & Scrub Robot For Large Spaces
Code: 200-BG1-PRO

Technical Specifications

Voltage	24 V
Battery	90 Ah
Battery Lifespan	2,000 Times Full Charging
Charging Time	Up to 4 Hours
Run Time	Up to 7 Hours
Noise Level	65 dB(A)
Trash Bin Capacity	5L
Water tank	75 L
Recovery Tank	60 L
Cleaning Coverage	Scrubbing: 3,024 m ² /h Sweeping: 4,234 m ² /h Dust Mopping: 3,830 m ² /h
Cleaning Width	550 mm / 708 mm (with side brushes)
Brush Pressure	31 kg
Brush Speed	200 rpm
Unladen Weight	345 kg
Dimension (cm)	119.5(L) x 76(H) x 13.03(W)



One-Pass Sweep & Scrub



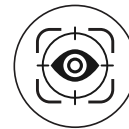
Magic Cleaning



Extendable Edge
Cleaning



Instant, User-Friendly
maintenance



3D Perception
Enhancement



Fully Enclosed
Machine Design

Extendable Edge Cleaning



One-Pass Sweep & Scrub



3D Perception Enhancement



AI Magic Cleaning



Human-Robot Interaction



24/7 Continuous Operation



IMEC BEETLE PRO

Commercial & Industrial AI Native Floor Sweeper Robot For Indoor & Outdoor Spaces

Code: 200-BEETLE-PRO

Code: 200-BEETLE-2.0

Technical Specifications

	• Beetle Pro	• Beetle 2.0
Voltage	24 V	24 V
Battery	Li-ion (60Ah)	Li-ion (60Ah)
Battery Lifespan	2,000 cycles (full charge)	2,000 cycles (full charge)
Charging Time	2 hours	2 hours
Run-Time	Up to 5 hours	Up to 5 hours
Rain Detection	Weather Sense Only	Rain Detector & Weather Sense
IP Level	IP3X	IP54
Noise Level	60 dB(A)	60 dB(A)
Trashbin Capacity	45 L	45 L
Cleaning Coverage	up to 10,000 m²/h	up to 10,000 m²/h
Cleaning Width	75 cm	80 cm
Sensor System	3D LiDAR (16 layer)	3D LiDAR (96 layer) + 2D LiDAR
Unladen Weight	112 kg	112 kg
Dimension (cm)	96 (L) X 65 (W) X 68 (H)	96 (L) X 65 (W) X 75.5 (H)



3D Perception Integration



Magic Cleaning



Intelligent Active Interaction



AI Adaptive Cleaning



Empty the Facility of Any Dirt & Trash



Smart Obstacle Avoidance Upgrade



Advanced Navigation



Automatic Door Control



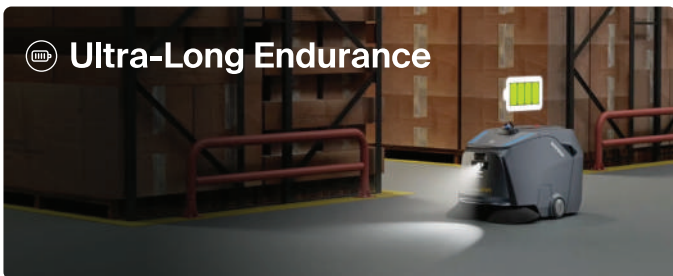
High-Power Suction Motor



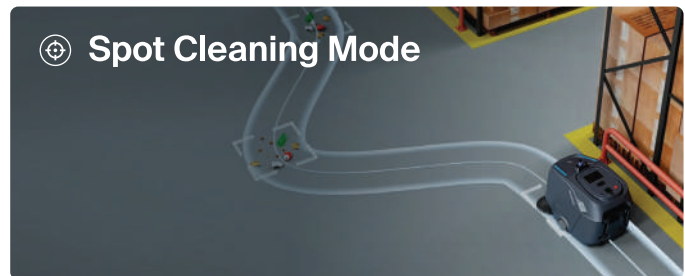
Agile Maneuverability



Ultra-Long Endurance



Spot Cleaning Mode



IMEC MT1 MAX

Commercial & Industrial Ai Native Floor Sweeper Robot For Indoor & Outdoor Spaces
Code: 200-1400-MAX

Technical Specifications

Voltage	24 V
Battery	Li-ion (60Ah)
Battery Lifespan	2,000 cycles (full charge)
Charging Time	2.5 hours
Run-Time	Up to 6 hours
Noise Level	60 dB(A)
Trashbin Capacity	35 L
Cleaning Coverage	up to 10,000 m2/d
Cleaning Width	70 cm
Path Clearance	Min. 75 cm
Unladen Weight	85 kg
Dimension (cm)	84 (L) X 60 (W) X 49 (H)



3D Perception
Integration



Magic Cleaning



Intelligent Active
Interaction



AI Adaptive Cleaning



Empty the Facility
of Any Dirt & Trash



Smart Obstacle
Avoidance Upgrade

Intelligent Active Interaction



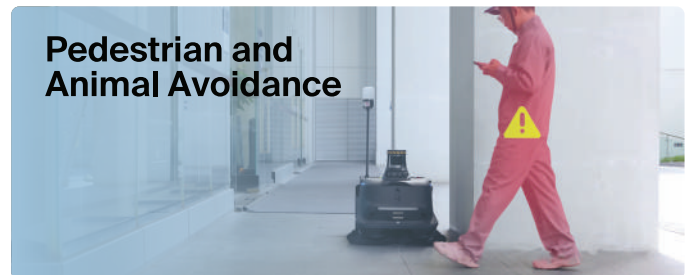
3D Perception Enhancement



No Debris Too Big or Small



Pedestrian and Animal Avoidance



AI Adaptive Cleaning Strategy



Accessories



Charging Station



Auto-Empty Station

IMEC MARVEL

Commercial & Industrial Ai Native Floor Sweeper & Scrubber Robot
For Large & Complex Spaces
Code: 200-MARVEL

Technical Specifications

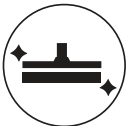
Voltage	24 V
Battery	120 Ah
Battery Lifespan	2,000 Times Full Charging
Charging Time	2.5 Hours
Run Time	Up to 8 hours
Noise Level	65 dB(A)
Trash Bin Capacity	10 L
Water tank	80 L
Recovery Tank	70 L
Cleaning Coverage	Scrubbing: 3,024 m²/h Sweeping: 4,234 m²/h Dust Mopping: 3,830 m²/h
Cleaning Width	60cm
Brush Pressure	55 kg
Brush Speed	270 rpm
Unladen Weight	220 kg
Dimension (cm)	110 (L) x 69.9 (W) x 116.8 (H)



3 in 1 Cleaning



Auto Spot*
Cleaning



AI Components
Self-Monitoring



Fast Charging



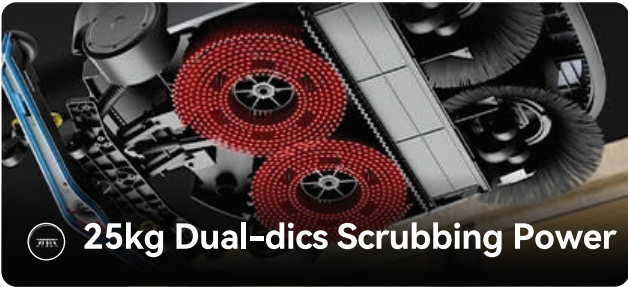
5-Stage Filtration
System



Alert & Report
Interface



Sweep & Scrubbing in One Go



25kg Dual-dics Scrubbing Power



Self Cleaning System



Accessories

Working Station



IMEC MT1 PRO

Commercial & Industrial Ai Native Floor Sweeper Robot For Indoor
Code: 200-1400-PRO

Technical Specifications

Voltage	24 V
Battery	Li-ion (45Ah)
Battery Lifespan	2,000 cycles (full charge)
Charging Time	2.5 hours
Run-Time	Up to 5 hours
Noise Level	70 dB(A)
Trashbin Capacity	35 L
Cleaning Coverage	up to 6,000 m2/d
Cleaning Width	75 cm
Suction Power	17 kPa
Path Clearance	Min. 75 cm
Unladen Weight	85 kg
Dimension (cm)	84 (L) X 60 (W) X 49 (H)



3 in 1 Cleaning
Sweep, Dust Mop
& Vacuum



Powerful Suction



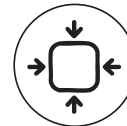
AI-drive Spot
Cleaning



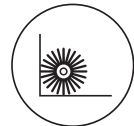
Quick-Release
Dust Mop Module



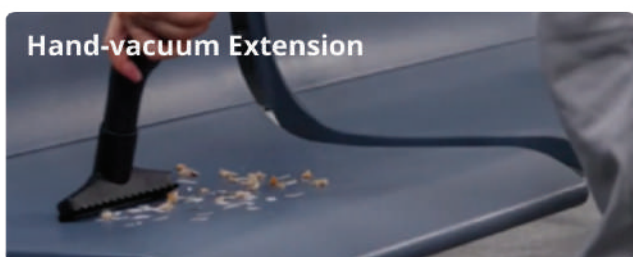
H13 HEPA
Filter



Narrow & Compact
Cleaning



0° Edge Cleaning



Hand Vacuum Extension

Charging station

IMEC BELLABOT PRO

Ai Robotic Delivery Robot
Code: 200-1200-PRO

Technical Specifications

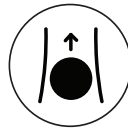
Voltage	29V
Battery	29Ah
Material	ABS
Speed	Up to 0.2 - 1.2 m/s
Unladen Weight (kg)	55 kg
Loading Capacity	Up to 40 kg (10kg / Shelf)
Charging Hour	3 Hours
Path Clearance	65 cm
Avg. Run Time	Up to 11 Hours
Dimension (cm)	57 (L) x 55 (W) x 129 (H)
Battery Life Span	Up to 2000 Times Full Charging



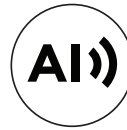
Versatile in Delivery,
Reception and Marketing



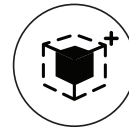
Smart Tray
Detection



65cm Superior Mobility



Powered by
'Chatgpt'



Upgraded
PUDU VSLAM+

Mobile marketing Ambassador



AI Voice Interaction



Aesthetic Design



65cm Agility



Accessories



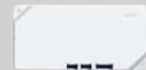
Fixed Cup Holder



Protection Case



PUDU Pager



Turnstiles/Automatic doors
Control Components

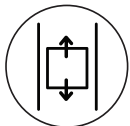


IMEC FLASHBOT

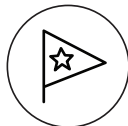
Building Delivery Expert
Code: 200-1100

Technical Specifications

Voltage	29V
Battery	24Ah
Material	ABS
Speed	Up to 1.2 m/s
Unladen Weight (kg)	50 kg
Loading Capacity	Up to 40 kg (10 kg per shelf)
Charging Hour	2.5 Hours
Path Clearance	70 cm
Avg. Run Time	Up to 8 Hours
Dimension (cm)	53.9 (L) x 51.5 (W) x 105 (H)
Battery Life Span	Up to 2000 Times Full Charging



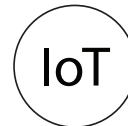
Cloud & Hardware
Solutions for Elevator
Control



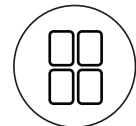
VSLAM+ Semi outdoor
Delivery



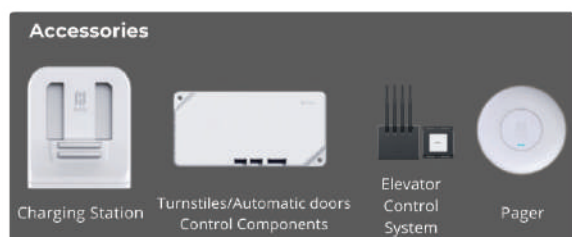
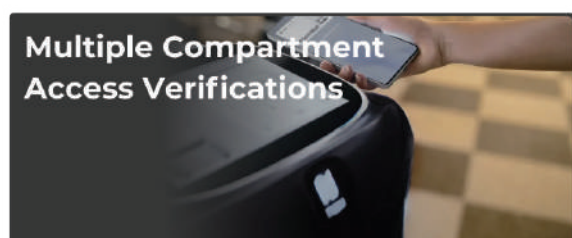
Multiple Compartment
Access Verifications



Full-Scope IoT
Integration



Modular Adjustable
Compartments



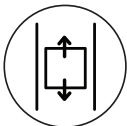


IMEC T150

Light-Payload Industrial Delivery Robot
Code: 100-100

Technical Specifications

	T150 Standard	T150 Lifting
Voltage	29V	29V
Battery	30 Ah	30 Ah
Material	ABS	ABS
Speed	0.2-1.2 m/s	0.2-1.2 m/s
Unladen Weight (kg)	65 kg	81 kg
Loading Capacity	Up to 150 kg	Up to 150 kg
Charging Hour	2 Hours	2 Hours
Path Clearance	60 cm	60 cm
Max. Surmountable Height	20 mm	20 mm
Max. Surmountable Gap	35 mm	35 mm
Dimension (cm)	83.5 (L) X 50 (W) X 135 (H)	83.5 (L) X 50 (W) X 135 (H)
Operating Environment	0°C - 40°C	0°C - 40°C



Cloud & Hardware
Solutions for Elevator
Control



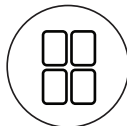
VSLAM+ Semi outdoor
Delivery



Multiple Compartment
Access Verifications



Full-Scope IoT
Integration



Modular Adjustable
Compartments

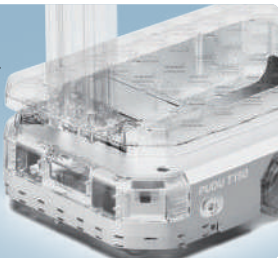
Operational in
One Hour



Stable Operation
with Reliable
Navigation



One-piece die-cast
construction using
aerospace-grade
materials



Simple and
Intuitive Operation



Built for Complex
Environments



24/7 Continuous
Operation



IMEC T300

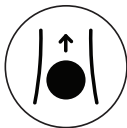
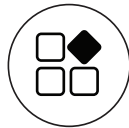
Industrial Delivery Robot
Code: 200-1500

Technical Specifications

	• Standard Version	• Tray Version	• Lifting Version	• Towing Version
Voltage	29V	29V	29V	29V
Battery	29Ah	29Ah	29Ah	29Ah
Material	ABS	ABS	ABS	ABS
Speed	1.2 m/s	1.2 m/s	1.2 m/s	0.8 m/s
Unladen Weight (kg)	65 kg	103 kg	81 kg	90 kg
Loading Capacity	Up to 300 kg	Up to 300 kg	Up to 300 kg	Up to 400 kg
Charging Hour	2 Hours			
Path Clearance	60 cm	60 cm	Determine by load size	Determine by load size
Threshold Overcoming Height	20 mm	20 mm	20 mm	5 mm
Groove Crossing Width	35 mm			
Run Time (No Load)	12 Hours			
Run Time (Full Load)	8 hours	8 hours	8 hours	6 hours
Dimension (cm)	83.5 (L) x 50 (W) x 135 (H)			
Navigation Methods	VSLAM & LiDar SLAM			



300 kg Load Capacity

60cm Superior
Mobility24/7 Non Stop
OperationFlexible VSLAM+
DeploymentDiversified
Attachments

reddot winner 2025

Auto & Semi-auto Delivery Modes



Auto-delivery Mode



Power-assist Mode



Follow Mode

Versatile External Attachments



Standard Mode



Tray Mode



Lifting Mode



Towing Mode

IMEC T600

Heavy Payload Industrial Delivery Robot
Code: 100-100

Technical Specifications

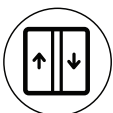
	• T600	• T600 Underride
Voltage	29V	29V
Battery	30 Ah	30 Ah
Material	ABS	ABS
Speed	0.2-1.2 m/s	1.2 m/s
Unladen Weight (kg)	112 kg	103 kg
Loading Capacity	Up to 600 kg	Up to 600 kg
Charging Hour	2 Hours	2 Hours
Path Clearance	70 cm	65 cm
Max. Surmountable Height	10 mm	10 mm
Max. Surmountable Gap	35 mm	35 mm
Dimension (cm)	96 (L) X 50 (W) X 135 (H)	84.5 (L) X 50 (W) X 25.5 (H)
Operating Environment	0°C - 40°C	0°C - 40°C



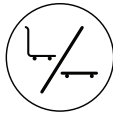
600 KG Payload Capacity



Rack Group Recognition



Idle Elevator Priority Scheduling



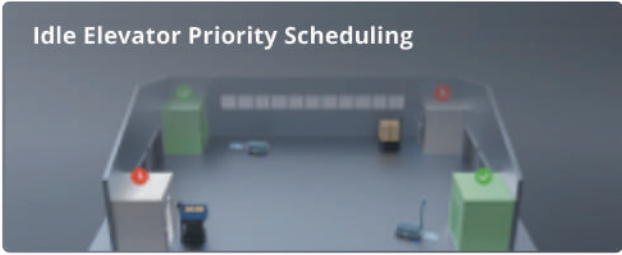
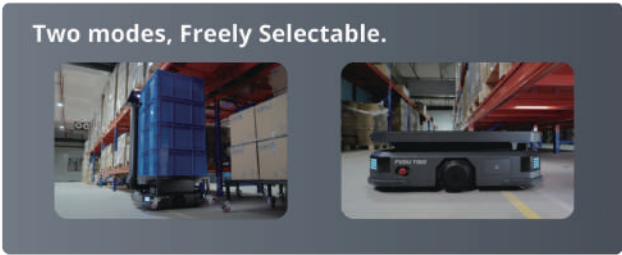
Two Modes, Freely Selectable



Support VDA5050 Protocol



On-Premises Development



IMEC MP2000

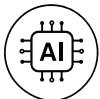
Heavy Payload Industrial Delivery Robot
Code: 200-1100-MP2000

Technical Specifications

Voltage	29V
Battery	24Ah
Material	ABS
Speed	Up to 1.2 m/s
Unladen Weight (kg)	50 kg
Loading Capacity	Up to 40 kg (10 kg per shelf)
Charging Hour	2.5 Hours
Path Clearance	70 cm
Avg. Run Time	Up to 8 Hours
Dimension (cm)	53.9 (L) x 51.5 (W) x 105 (H)
Battery Life Span	Up to 2000 Times Full Charging



Plug-and-Play



AI-Native Autonomy



Fleet Orchestration



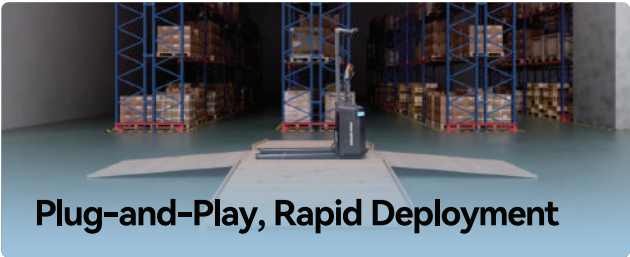
20s Fork Insertion



Omni-Sense Safety



IoT Integration



Plug-and-Play, Rapid Deployment



AI-Native Autonomy



Intelligent Fleet Orchestration



20s Fork Insertion, Fast Pickup



Omni-Sense Safety



IoT Integration & Control



COMING SOON

Where Innovation Meets Intelligence

