

Delta D-Bot Dynamic Duo

Autonomous navigation with unmatched flexibility

Switch in seconds between precision manipulation and autonomous transport with our 2-in-1 modular design. Dock the Delta D-Bot and battery at any workstation while the MAR base handles other duties and rely on the MAR to autonomously retrieve and redeploy the arm wherever it's needed - eliminating manual setup and downtime.

Specifications for D-Bot

					
Payload	Maximized Reach	Consistent Accuracy	Enhanced Speed	Safety Features	Built-in Battery
6 to 10 kg	800 to 1300 mm	±0.02 mm	max. 3 m/s	Pld Cat. 3 / SIL 2	up to 7 h



MADE IN GERMANY

Autonomous Cobot Redeployment

The Delta D-Bot MAR independently locates, docks with, and transports your cobot arm to any designated workstation - eliminating the need for manual transfers. With automated pick-up and drop-off routines, you avoid interruptions and keep assembly, testing, or handling tasks moving seamlessly.

Payload & Reach customizable

up to 10kg: Elevate operations by integrating one of 3 Delta D-Bots (DC06, DC08 or DC10) that matches your exact payload and reach requirements, so you get the right tool for each job.



Instant 2-in-1 Flexibility

Collaborativ Robot

Automates complex tasks like picking, placing, and assembling. Elevate operations by integrating one of 3 Delta D-Bots that matches your exact payload and reach requirements, so you get the right tool for each job.

Built-in Battery

Equipped with a high-capacity, integrated battery, the Delta D-Bot Dynamic Duo delivers up to 7 hours of uninterrupted operation - enough to power a full shift.



Specifications	DC06	DC08	DC10
Payload	6 kg	8 kg	10 kg
Reach	800 mm	1300 mm	1200 mm
Max. TCP Speed	2 m/s	3 m/s	3 m/s
Pose Repeatability	±0.02 mm		
Weight	24 kg	40 kg	39 kg

D-Bot MAR

The Delta D-Bot MAR navigates autonomously with native VDA 5050 integration, glides through tight aisles thanks to zero-radius point turns, and keeps people safe via 360° obstacle detection. Optional pallet rails lock Euro or custom pallets firmly in place, while wireless or plug-in charging maximises uptime. Use it for hands-free pallet moves, just-in-time line feeding, and any operation that needs quick, floor-modification-free automation.

Specifications of the built-in Battery

Dimensions	L 1100 mm x W 620 mm x H 376 mm
Battery Life	2200 cycles
Supply Voltage	51.8 VDC / 120 Ah
Up Time	7 h
Charge Time	3 h
Charging Method	Manual

Contact

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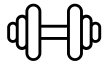
Web: www.delta-emea.com/en-GB/landing/Cobot
Preliminary data sheet | Subject to change

Delta D-Bot MAR

Effortless Autonomous Material Handling



With the Delta D-Bot MAR, you can automate routine transport tasks, make better use of your production capacity and cut downtime - all without major IT integration need.



Payload

500 kg



Workspace Flexibility

Point turning



Consistent Accuracy

±5 mm



Enhanced Speed

max. 1.5 m/s



Safety Features

PLd/Cat. 3



Up-Time

7 h



MADE IN GERMANY



Full Range 360° Detection

Safe and precise transport of goods in environments shared with humans, thanks to integrated, all-round obstacle detection



Optimized Mobility

Improves your internal logistics, increasing adaptability like never before



Wireless Charging

Fast, contactless charging stations keep your fleet running and - traditional plug-in option, where preferred



Autonomous Navigation

Independent navigation without the need of extra components like magnetic tapes or beacons



Made in Germany

Short delivery routes and direct feedback into development ensure prompt support and rapid implementation of your requirements

Specifications

Payload	500 kg
Dimensions	L 1220 mm x W 690 mm x H 290 mm
Weight	300 kg
Max. Speed	1.5 m/s
Wheel Configuration	Differential Drive
Workspace flexibility	Point turning
Ground Clearance	120 mm
Communication Interfaces	EtherNET/IP, TCP/IP, Python API
Outbound Interfaces	1x Ethernet, 1x CAN
IP Classification	IP44
Positioning accuracy	±5 mm
360° safety laser scanner	PLd/Category 3 (ISO 13849-1)
Lifting unit	45 mm, 4 x 140 kg
Charging Types	Wired & Inductive
Battery	51.8 VDC/ 60 Ah
Charge Time	1.5 h

Add-Ons

Upgrade your MAR with optional pallet rails for secure, slip-free handling of Euro pallets and other pallet types - keeping your loads stable and protected throughout every transport.



Autonomous Movement

Independent navigation without the need for additional components and Navitec's fleet-management system makes the Delta D-Bot MAR ideal for seamless integration into intelligent fleet management systems, featuring native VDA5050 interface support.



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