



Doosan M1509

Effective in handling heavier objects
to support human workers



15 kg

900mm



► State-of-the-Art | Controller

- Top-notch control platform for perfect and reliable robot control
- Maximize performance of torque sensor through innovative and advanced motion control algorithm and robot language
- Providing the latest communications technology to ensure compatibility with other automation environment
- Icon-based Skills* for easy and simple teaching of complicated robot motions



Robust platform with Real-time OS and 1msec. communication speed of EtherCAT, ensuring perfect performance even in tough environments

* Ethernet, Fieldbus, Serial, Wifi, etc.



Easy and simple robot teaching by various types of Skills and Templates

► Human-Centered | Teach Pendant

- Capacitive touch and high resolution 1280x800 screen for friendly user experience
- Light-weight and ergonomic design enabling inherently-comfortable grip
- Ultra-intuitive usability by simple graphic-informative communication



Intuitive Card View to monitor all information on robot operation environment at a glance



Simple and easy robot teaching with icon drag-and-drops

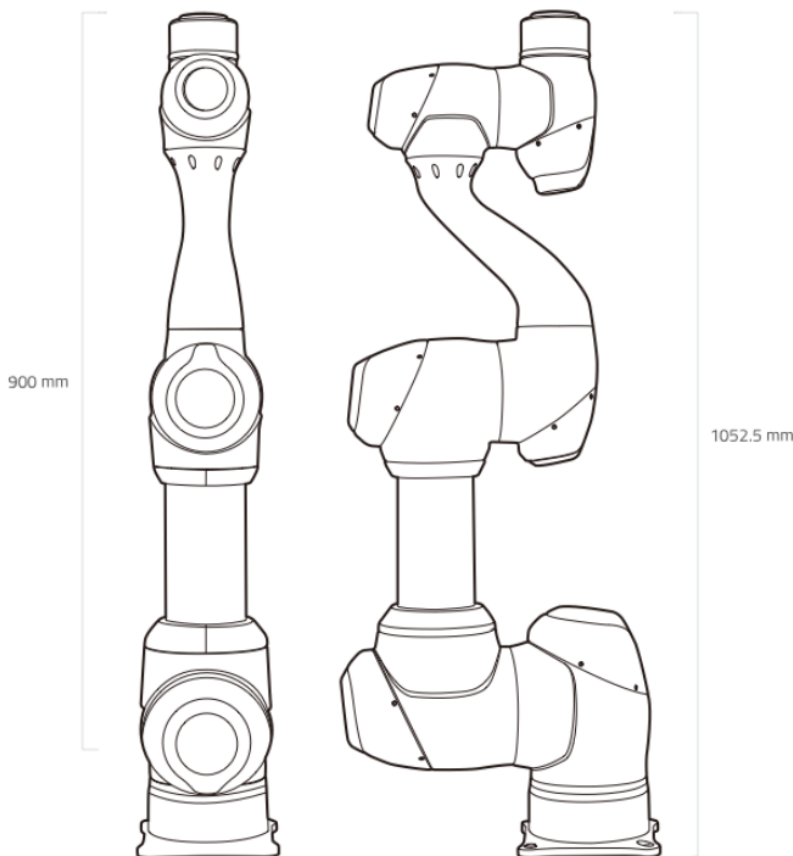


Doosan M1509

Arm

Controller

Teach Pendant



Performance

Degrees of freedom	6
Rated payload	15 kg
Max.reach	900 mm
Tool speed	1 m/s
Repeatability	± 0.1 mm
Temperature	0-45°C

Joint Movement

J1 Range / Speed	±360° / 150°/s
J2 Range / Speed	±360° / 150°/s
J3 Range / Speed	±150° / 180°/s
J4 Range / Speed	±360° / 225°/s
J5 Range / Speed	±360° / 225°/s
J6 Range / Speed	±360° / 225°/s

Other Features

Weight	32 kg
Installation position	Any (Floor, ceiling, wall)
Protection Rating	IP54
Digital I/O – flange	6 In / 6 Out
I/O power supply	DC 24 V / Max. 3 A

* The above specification is subject to change without prior notice.

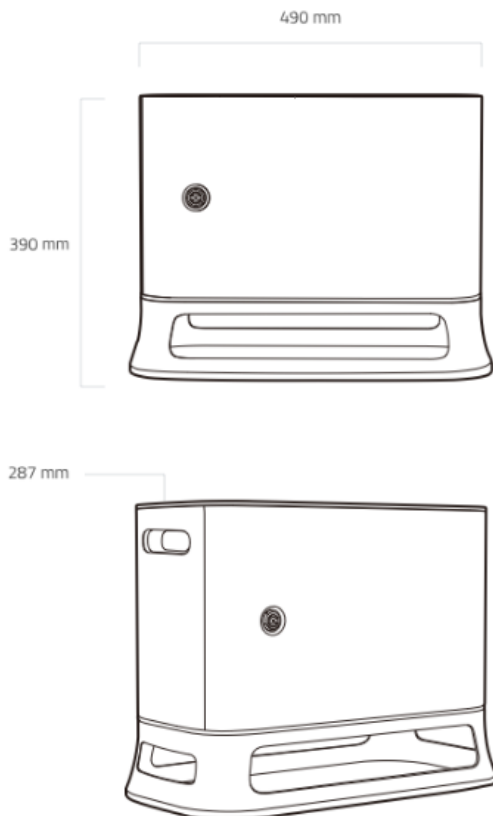


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Arm

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Teach Pendant



Basic

Interfaces	Ethernet / Wifi / RS232 / Modbus / Ethernet TCP/IP
Dimensions	490 x 390 x 287 mm
Weight	9 kg
Protection Rating	IP20

Other Features

I/O Port – Digital I/O	16 / 16
I/O Port – Analog I/O	2 / 2
I/O power supply	DC 24 V
Fieldbus	Modbus
Rated supply voltage	100~240(50~60Hz) VAC

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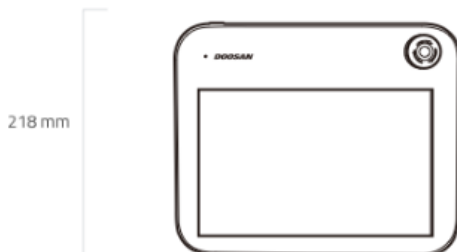


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Basic

Protection Rating	IP20
Dimensions	264 x 218 x 42 mm
Weight / Screen Size	0.8 kg / 10.1 inch
Cable Length	4.5 m

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Doosan M1509

VALUE ADDING *of the* COBOT

DM1509-01

Value-Adding | Enhancer

Direct Control Unit : Cockpit

The optimal option to maximize user experience enables you to select a wide range of teaching modes and save coordinates with a simple five-button operation.

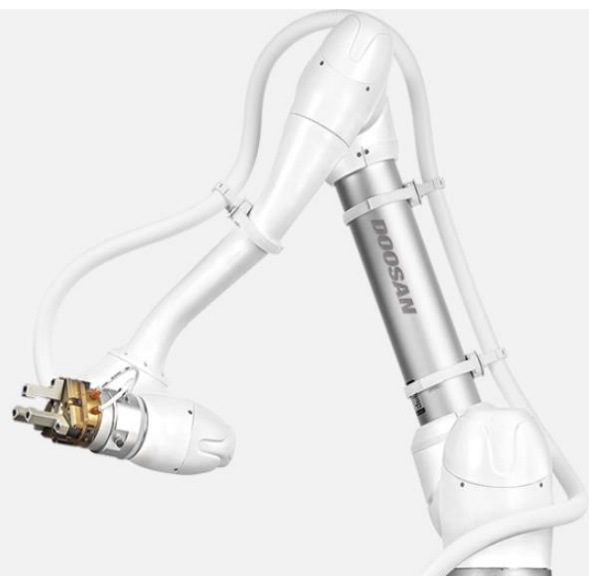


DM1509-02

Value-Adding | Enhancer

Dress Pack

Organizes various cables connected to the end tools of the robot allowing efficient operation. Integrated tube bracket and holder ensures convenient organization, and it is easy to attach/detach and relocate on the robot.





VALUE ADDING *of the* COBOT

DM1509-03

Value-Adding I Enhancer

Robot Jacket

Protects robot from contamination by liquids used during cutter support work, etc. PU coating forms a 2-stage water barrier which ensures Doosan robot to maintain optimum operation conditions.



DM1509-04

Value-Adding I Enhancer

Stain-Resistant Model

The enhanced anti-stain function makes it easy to manage the appearance even in a work environment that is exposed to contamination.

