



DOOSAN ROBOT H-SERIES



Doosan Robotics

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Doosan Robotics

High-Power H-SERIES

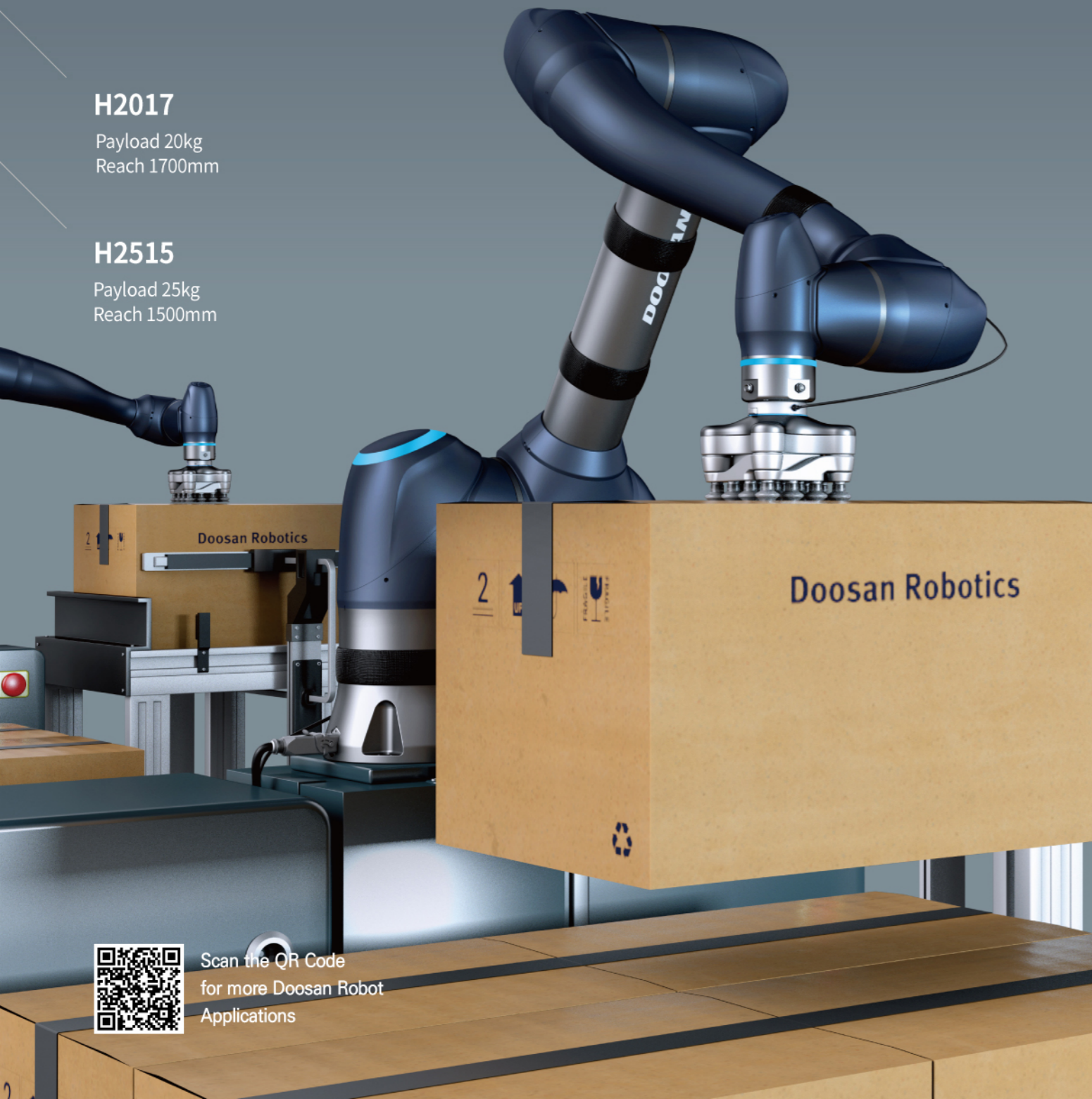
H-SERIES is the most powerful cobot in the market. Outstanding 25kg payload and 6 torque sensors brings safe work environment for any kind of application

H2017

Payload 20kg
Reach 1700mm

H2515

Payload 25kg
Reach 1500mm



Scan the QR Code
for more Doosan Robot
Applications

KEY FEATURES

High+ Payload

Astonishing payload,
easily handles heavy objects
up to 25kg

High+ Safety

Guarantees superb safety
with the industry's best collision
sensitivity powered by
6 torque sensors and
counterbalance mechanism

High+ Flexibility

Half the robot weight than cobots
in the same class provides more
flexible workspace settings
with its ease of repositioning,
AMR linking and installing of the robot

25kg

6 Torque Sensors

1/2 Weight

MAIN APPLICATIONS



Palletizing

Heavy objects stacking and
palletizing on logistics and
automated procedures



Machine Tending

Feed heavy subjects into the
CNC machine and load/unload
them from/to the pallet



Heavy Object Handling

Stacking, transport and handling
of multiple objects simultaneously
in fast-paced production procedures,
such as those found in the logistics
and fabric industries

DOOSAN HERITAGE

Super SAFE

- Five workspace settings to fully protect the operator**
 Five workspace settings protect the operator's safety and improve work efficiency.
 - Collaborate zone
 - Collision detection mute zone
 - Protected zone
 - Limited tool Orientation zone
 - Customized collision sensitivity zone
- Outstanding product safety certified by international organizations**
 Doosan robots have received prestigious safety certifications worldwide as well as safety certifications from NRTL in the U.S., CE in Europe and KCs in Korea.

Super EASY

- One-touch programming in just 20 seconds**
 Doosan robots automatically recognize attached peripherals and suggest ideal work process in forms of various templates from simple material handling to machine tending. It also provides pre-programmed skills, commonly used in the field, which makes it very easy to teach the robot even for beginners.
- Cockpit to quickly and easily teach robots**
 Through the cockpit (Direct teaching button) on Doosan robots, it is possible to select various teaching modes as well as to save coordinates with simple button operations, allowing easy direct teaching.

Super FLEXIBLE

- Doosan Mate maximizing the utilization of Doosan robots**
 Doosan Mate is comprised of a variety of industry-leading partner products from grippers to electric tools machines, sensors and software, providing the best automation solutions optimized for customer needs. All registered products are highly compatible with Doosan robots, allowing easy and fast set-up and immediate operation.
- Convenient communication connections**
 Doosan robots support the latest communication technologies, even without a gateway, allowing seamless connections with various types of industrial equipment and systems.

*Supported Communications: RS232/485, TCP/IP, Modbus TCP (Master/Slave), Modbus RTU (Master), PROFINET IO Device, EtherNet/IP Adapter

DOOSAN ROBOT LINE-UP

Almighty A-SERIES

A0509 · A0509s · A0912 · A0912s

A-SERIES can go anywhere! With its superior speed and cost-effectiveness, A-SERIES promises a simple solution and a satisfaction to whom may be hesitant to get a cobot

High-Power H-SERIES

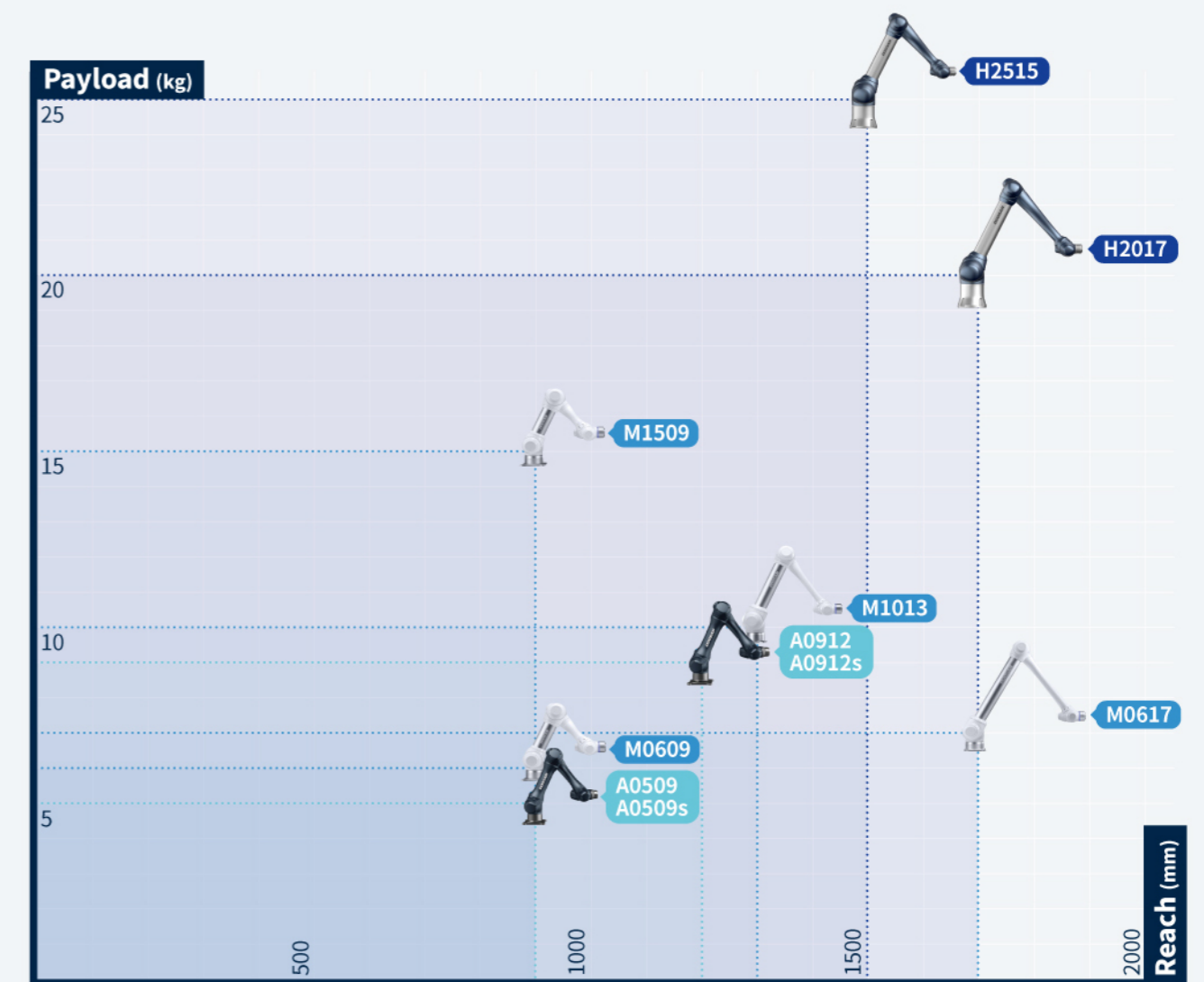
H2017 · H2515

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Masterpiece M-SERIES

M0609 · M0617 · M1013 · M1509

M-SERIES is the highest quality premium cobot! 6 high-tech torque sensors provide the highest dexterity for highly sophisticated tasks and ensure the upmost safety with the highest collision sensitivity



H-SERIES TECHNICAL SPECIFICATION

	H2017	H2515	
Arm	Payload	20 kg (44 lb)	25 kg (55.1 lb)
	Reach	1,700 mm (66.9 inch)	1,500 mm (59 inch)
	Weight	74kg (163.1 lb)	72 kg (158.7 lb)
	Performance		
	Tool Speed	1 m/s	
	Repeatability	±0.1 mm	
	Temperature	0~45 °C	
	Joint Movement (Range : ° / Max Speed : °/s)		
	J1	±360 ° / 100 ° /s	
	J2	±130 ° / 80 ° /s	
J3	±160 ° / 100 ° /s		
J4	±360 ° / 180 ° /s		
J5	±360 ° / 180 ° /s		
J6	±360 ° / 180 ° /s		
Other Features			
Installation Position	Only Floor		
Protection Rating	IP 54		
Flange Interfaces	Digital I/O 6 In / 6 Out		
I/O Power Supply	DC 24 V / Max. 3 A		
Controller	Interfaces	Serial (RS232) / USB 3.0 (RS422/485*), TCP/IP *Requires a USB to RS422/485 converter	
	Industrial Network**	Modbus-TCP (Master/Slave) / Modbus-RTU (Master) / EtherNet/IP (Adapter) / PROFINET IO (Device) **Install a gateway for other communication support	
	Dimensions	490 x 390 x 287 mm	
	Weight	9 kg	
	Protection Rating	IP 40	
	I/O Port – Digital I/O	16 / 16	
	I/O Port – Analog I/O	2 / 2	
	I/O Power Supply	DC 24 V	
	Rated Supply Voltage	100~240 VAC, 50~60Hz	
	Cable Length (Arm)	6.0 m	
Teach Pendant	Protection Rating	IP 40	
	Dimensions	264 x 218 x 42mm	
	Weight / Screen Size	0.8 kg / 10.1 inch	
	Cable Length (TP)	4.5 m	


The specifications above may change


GLOBAL NETWORK

Doosan Robotics continues to expand its global network around the world!

Prompt service is available around the globe through dealer networks established in different countries



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 www.linkedin.com/company/dormac-cobots

 www.youtube.com/doosanrobotics

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