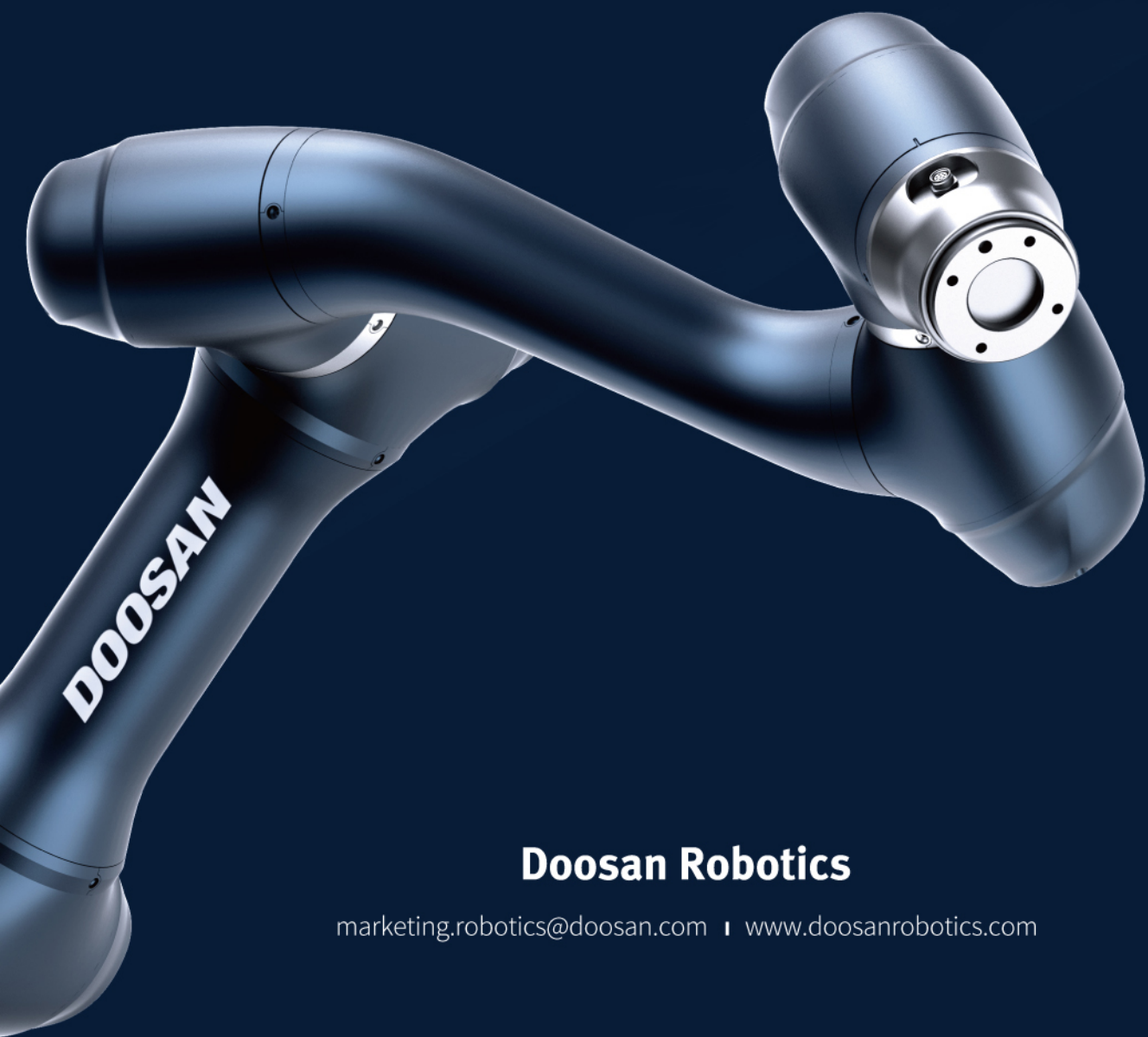




# DOOSAN ROBOT H-SERIES



**Doosan Robotics**

marketing.robotics@doosan.com | www.doosanrobotics.com



**Doosan Robotics**



# High-Power H-SERIES

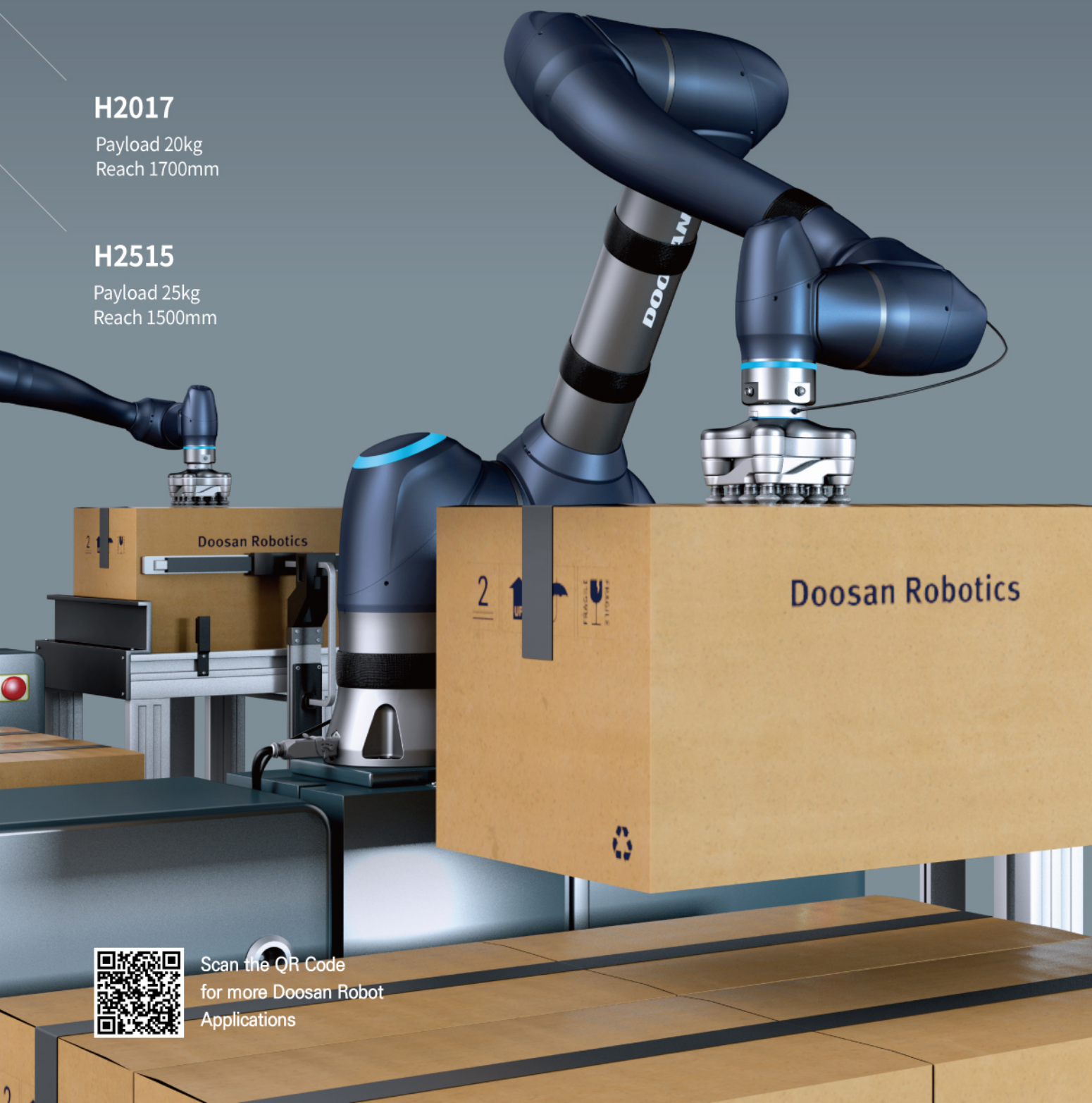
H-SERIES is the most powerful cobot in the market. Outstanding 25kg payload and 6 torque sensors brings safe work environment for any kind of application

## 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

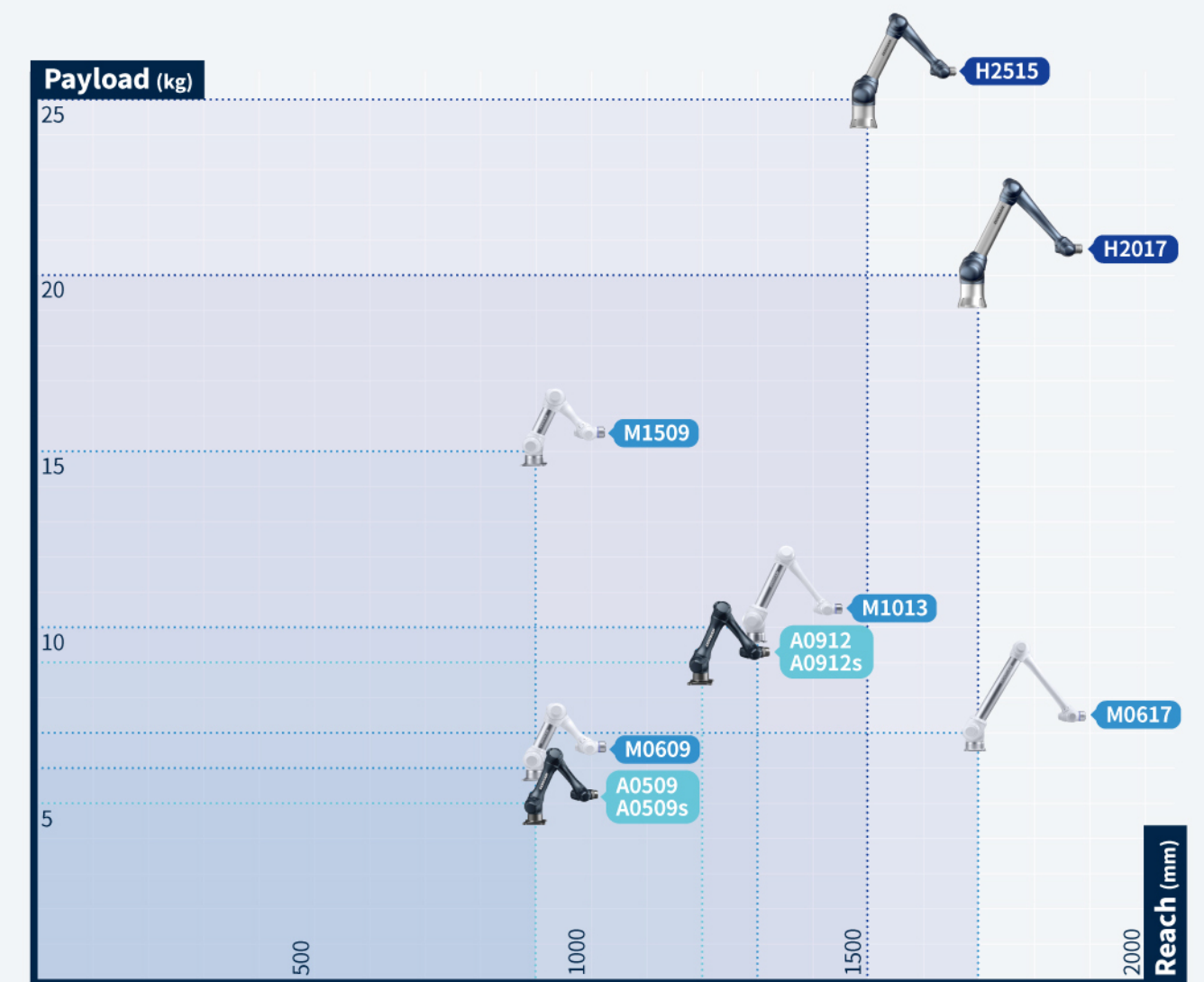
H2017 · H2515

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

## 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
<b>Arm</b>	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)
	<b>Performance</b>		
	Tool Speed	1 m/s	
	Repeatability	±0.1 mm	
	Temperature	0~45 °C	
	<b>Joint Movement (Range : ° / Max Speed : °/s)</b>		
	J1	±360 ° / 100 ° /s	
	J2	±130 ° / 80 ° /s	
J3	±160 ° / 100 ° /s		
J4	±360 ° / 180 ° /s		
J5	±360 ° / 180 ° /s		
J6	±360 ° / 180 ° /s		
<b>Other Features</b>			
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		
<b>Controller</b>	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	
<b>Teach Pendant</b>	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



 79 Saneopro 156-gil, Gwonseon-gu, Suwon-si, Gyeonggi-do, Korea

 031-8014-5500

 [www.linkedin.com/company/doosan-robotics](https://www.linkedin.com/company/doosan-robotics)

 [www.youtube.com/doosanrobotics](https://www.youtube.com/doosanrobotics)

Scan the QR Code  
for more Doosan Robot  
Applications

