

Doosan Robotics

ENJOY YOUR DAY
with EDGE

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Lineup for the Food & Beverage Industry E0509

Enjoy your day with EDGE!

The E-SERIES stands out as the ultimate collaborative robot (cobot) for the food and beverage industry. With its exceptional features, including unmatched adaptability NSE certification, and IP66 rating, this cobot is specifically designed to enhance productivity in any environment.



5 kg Payload
0.05 mm Repeatability
IP66 Protection Rating

- The world's first collaborative robot dedicated to the food and beverage industry
- Hygienic design for sanitary food handling, prep, and cooking
- Industry-leading safety features

Features



NSF-Certified*

The E-SERIES is NSF-certified to meet compliance and health codes in any food or beverage prep space



Environmental Adaptation

With IP66 accreditation, the E-SERIES easily operates in temperatures up to 113°F or 45°C



Easy Installation

The E-SERIES features an all-in-one package design that is 62% smaller than previous models, making it incredibly compact and convenient for transport and installation



Affordable

The E-SERIES is a cost-effective automation solution, ensuring rapid ROI in as few as 14 months



Safe

With its industry-leading safety certifications**, the E-SERIES effectively minimizes risks and injuries in busy workspaces



Hygienic

The E-SERIES incorporates a gap-less design and a high-gloss, food-safe finish, enabling effortless cleaning and ensuring sanitary operation

Specifications

E0509 ARM

Payload	5 kg
Reach	900 mm
Tool Speed	1 m/s Over
Joint - Range (°)	± [360 360 155 360 155 360]
Joint - Speed (°/sec.)	[120 120 150 225 225 225]
Repeatability	± 0.05 mm
Weight	22.5 kg
Protection Rating	IP66
Temperature	0~45°C
Noise Level	< 60 dB(A)
Cable	6 m
Cable Holder	Yes (Option)
NSF	Food zone (Indirect)

Controller

Weight	9 kg
Dimension(mm)	440 x 400 x 91.2
Teaching Method	DART-Platform (PC/Surface;sold separately)
Option	DC Controller, Smart Pendant



DC Controller



Smart Pendant

Safety

Safety Rating	STO, SBC, EMG: PL e Cat. 4, SIL 3 Other features: PL d Cat. 3, SIL 2
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*National Sanitation Foundation

**PL e · Cat. 4