

ELEVATE™

Data Sheet

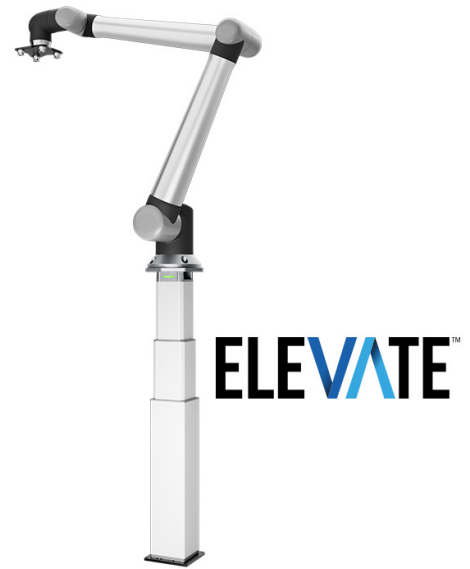


ELEVATE™

The ELEVATE lifting column kit is designed to make your palletising process faster and simpler by extending vertical reach and increasing adaptability.

The kit has everything you need to extend the vertical reach of your cobot palletiser: Lifting column, mounting plate(s), and cables - all in one single box.

The integrated communications protocol Modbus TCP/IP ensures control and feedback suited to your specific tasks.



Lifting column specifications

- Speed: up to 100 mm/s independent of load
- Payload: up to 1,000 N
- Stroke: 400 to 1,100 mm
- Bending moment - static: 3,000 Nm (allowed bending moment between cobot and column while the column is not moving)
- Bending moment - dynamic: 1,400 Nm (allowed bending moment between cobot and column while the column is running in or out)
- Position accuracy along the driven axis: +/- 1.5 mm
- Position repeatability: +/- 1.5 mm
- Noise level: 58 dB (A)
- Weight: 29 kg for 900 mm stroke
- Dimensions [L x W x H]:
163 mm x 163 mm x 730 mm (900 mm stroke)
163 mm x 163 mm x 830 mm (1,100 mm stroke)
- Duty cycle: 20% (4 min. continuous use followed by 16 min. not in use)
- Operating temperature: from +5°C to +40°C
- Protection class: IP4X
- Power supply DC: 24 V
- Current consumption: 6-21 A

Options available

		Compatible hardware full control via your own software programming	Ready to integrate with cobot driver software and plates
900 mm	LC3E0007DK - with cobot mounting kit	Fanuc: CRX-10iA/L, 10 iA/L, 20 iA/L Dobot: CR5, CR7, CR10, CR12, CR16, A and S-series Elite: CS612 Hanwha: HCR-12A Jaka: Pro12, Zu12, Zu18, Zu3	Universal Robots: UR3, UR5, UR10, UR16
	LC3E0008DK - with cobot mounting kit	Doosan: H2017, H2515, M-series Dobot: CR20A Elite: CS620, CS625	Universal Robots: UR20, UR30 Omron/TECHMAN: TM12, TM14, TM16, TM20
	LC3E0009DK - with cable kit only	Aubo Yaskawa Kuka	
1,100 mm	LC3E0010DK - with universal cobot mounting kit	Doosan: H2017, H2515, M-series Fanuc: CRX-10iA, 10 iA/L, 20 iA/L Dobot: CR5, CR7, CR10, CR12, CR16, CR20, A and S-series Jaka: Pro12, Zu12, Zu18, Zu3	Universal Robots: UR3, UR5, UR10, UR16, UR20, UR30 Omron/TECHMAN: TM12, TM14, TM16, TM20, TM25 Kassow: KR810, KR1205, KR1018, KR1410, KR1805
	LC3E0011DK - with cable kit only	Aubo Yaskawa Kuka	

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