

FANUC Robot DR-3*i*B

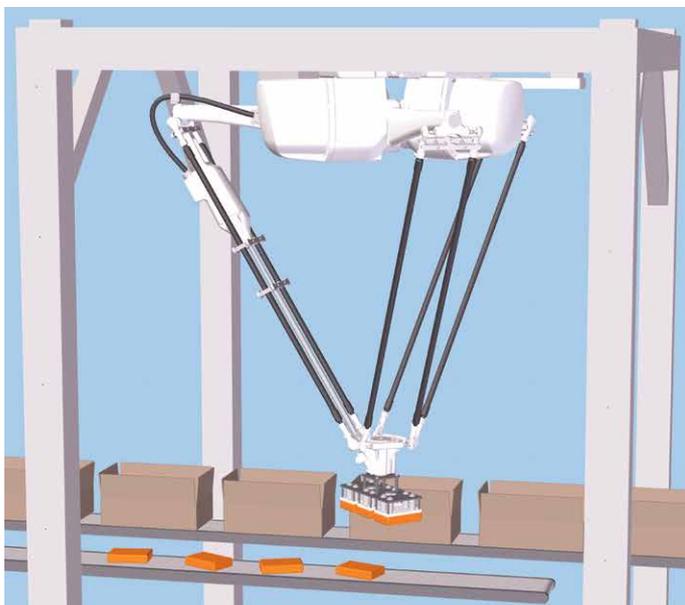


FEATURES

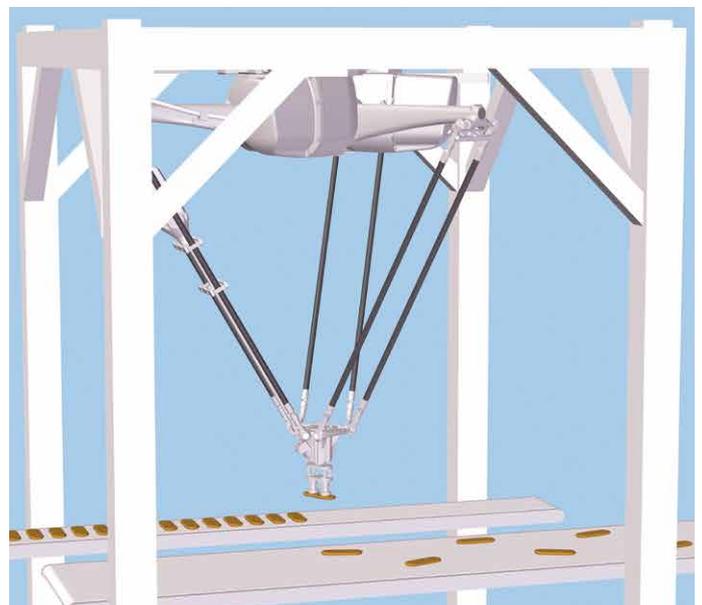
FANUC Robot DR-3*i*B/8L is a parallel link robot for high speed picking with 8kg payload. It has achieved superior hygiene and motion to the previous model.

- Shape, materials, surface treatment and lubricant are considered for food hygiene. It can contribute to the automation in the food, pharmaceutical and cosmetics market.
- Two types of surface treatment are available based on an application environment.
 - Paint type : Its chemical resistance is good for secondary food
 - Plating type : No paint on its surface is good for primary food
- This is a 4 axes robot including a single axis rotation at wrist. It has 8kg maximum payload and 0.2kgm² maximum inertia and it has increased the speed by 10% compared with the previous model. It is suitable for high speed aligning and handling of multiple pieces on conveyor.
- By expanding the operating space to 1600mm, it can be applied to a handling system with a wide conveyor.
- The enclosed mechanical unit can realize IP69K.
- Various intelligent functions are available, such as *i*RVision (integrated vision) and *i*RPickTool.

Application Examples

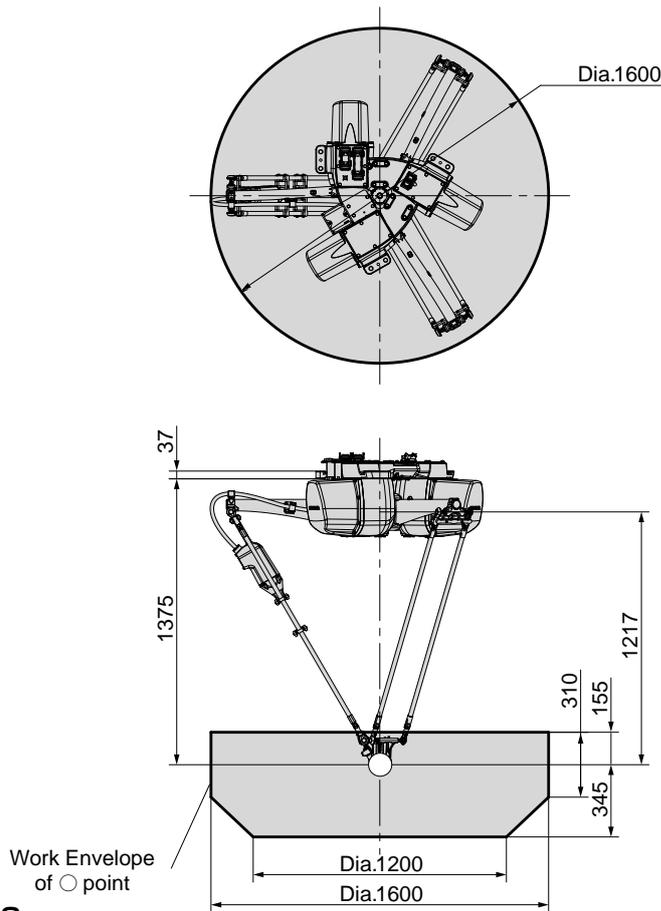


Fast packing of food by DR-3*i*B/8L



Fast arranging of food by DR-3*i*B/8L

DR-3iB/8L



Specifications

Model		DR-3iB/8L	
Type		Parallel link mechanism	
Controlled axes		4 axes (J1,J2,J3,J4)	
Installation		Ceiling mount	
Motion range (Maximum speed) Note 1)	J1-J3	Diameter 1600mm, height 500mm	
	J4	720° (2000°/s) 12.57rad (34.91rad/s)	
Max.payload at wrist		8 kg	
Repeatability Note 2)		±0.03mm	
Drive method		Electric servo drive by AC servo motor	
Mass Note 3)		170kg	
Installation environment		Ambient temperature : 0 to 45°C Ambient humidity Normally : 75%RH or less (No dew, nor frost allowed) Short term : 95%RH or less (within one month) Vibration : 4.9m/s ² (0.5G) or less	

Note 1) During short distance motions, the axis speed may not reach the maximum value stated.

Note 2) Compliant with ISO9283.

Note 3) Without controller.

FANUC CORPORATION

Headquarters Oshino-mura, Yamanashi 401-0597, Japan
 Phone: 81-555-84-5555 Fax: 81-555-84-5512 <https://www.fanuc.co.jp>

●Overseas Affiliated Companies
 FANUC America Corporation
 FANUC Europe Corporation, S.A.
 SHANGHAI-FANUC Robotics CO., LTD.
 KOREA FANUC CORPORATION
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 PT. FANUC INDONESIA
 FANUC OCEANIA PTY. LIMITED
 FANUC SOUTH AFRICA (PROPRIETARY) LIMITED

3900 West Hamlin Road, Rochester Hills, MI 48309-3253, U.S.A.
 7, rue Benedikt Zender, L-6468 Echternach, Grand-Duché de Luxembourg
 No. 1500 Fuliang Road, Baoshan Area, Shanghai, China
 101, Wanam-ro(st), Seongsan-gu, Changwon-si, Gyeongsangnam-do, 642-290 Republic of Korea
 No.10, 16th Road, Taichung Industrial Park, Taichung, Taiwan
 41-A, Electronics City, Bangalore, 560 100, India
 No.1 Teban Gardens Crescent, Singapore 608919, Singapore
 1301 Pattanakarn Road, Kwaeng Suanluang, Khet Suanluang, Bangkok 10250 Thailand
 No.32, Jalan Pengacara U1/48, Temasya Industrial Park, Section U1, Glenmarie,
 40150 Shah Alam, Selangor Darul Ehsan, Malaysia
 JL. Boulevard Bukit Gading Raya Blok R, Jakarta 14240 Indonesia
 10 Healey Circuit, Huntingwood, NSW 2148, Australia
 17 Loper Ave. Aeroport Industrial Ests, Spartan Ext.2 P.O.Box 219, Isando 1600, Republic of South Africa

Phone: 1-248-377-7000 Fax: 1-855-774-7051
 Phone: 352-727777-1 Fax: 352-727777-403
 Phone: 86-21-5032-7700 Fax: 86-21-5032-7711
 Phone: 82-55-278-1200 Fax: 82-55-284-9826
 Phone: 886-4-2359-0522 Fax: 886-4-2359-0771
 Phone: 91-80-2852-0057 Fax: 91-80-2852-0051
 Phone: 65-6567-8566 Fax: 65-6566-5937
 Phone: 66-2-714-6111 Fax: 66-2-714-6120
 Phone: 60-3-7628-0110 Fax: 60-3-7628-0220
 Phone: 62-21-4584-7285 Fax: 62-21-4584-7288
 Phone: 61-2-8822-4600 Fax: 61-2-8822-4666
 Phone: 27-11-392-3610 Fax: 27-11-392-3615

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