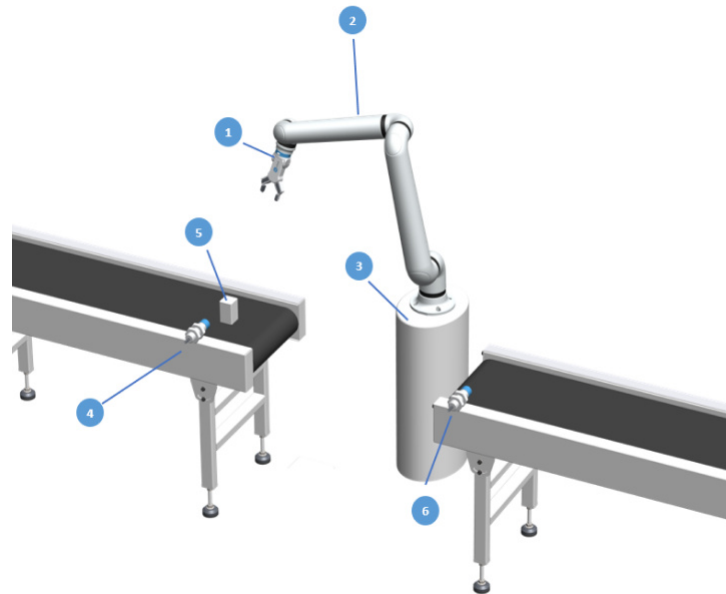


# DATASHEET

## D:PLOY - TRANSFERRING APPLICATION

v1.0.700

# Transferring Application



1/a.	Grippers	2FG7/2FG14	2FGP20	3FG15/3FG25	MG10	RG2/ RG6	SG- a- H/S G- b-H	VG10	VGC10	VGP20	Gecko Gripper
1/b.	Tool mounting	Quick Changer				Angle Bracket 45°		Angle Bracket 90°			
2.	Robot brands	ABB		Denso	Doosan	Elite		FANUC		FANUC CRX	
		Schneider	Techman	UR		Jaka	Omron TM		Kawasaki	Yaskawa	
3.	Robot mounting	Can be mounted at any height						Can be tilted 0°, 30°, 45° or 90°			
4.	Infeed type	<b>Conveyor belt or Turn table</b>				<b>Single part</b> can be picked at once, <b>Infeed sensor</b> device need to be added to the cell (no twin signal configuration)			The infeed can be <b>at any angle</b> (tilted or rotated relative to the robot), pick-up direction can be adjusted if needed in the expert settings		
5.	Part size/ weight/ type	<b>Any size</b> (that the gripper can handle)				<b>Any weight</b> (that gripper and robot can handle)			<b>Box like or Cylindrical</b> (both may not be available on a given gripper)		

<b>6. Outfeed type</b>	<b>Conveyor belt or Turn table</b>	Single part can be placed at once, <b>Outfeed sensor</b> device need to be added to the cell (no twin signal configuration)	The outfeed can be <b>at any angle</b> (tilted or rotated relative to the robot), place-down direction can be adjusted if needed in the expert settings
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**Additional information**

**1a. Grippers**

Only OnRobot tools are supported, but can be customized with any **OnRobot accessory**, or custom fingertip/vacuum accessory.

		Finger grippers							Vacuum grippers			Special gripper	
		2FGP20	2FG7	2FG14	3FG15	3FG15	RG2	RG6	VG10	VGC10	VGP20	Gecko Gripper	MG10
Can grip - single part	Cuboid	✓	✓	✓	✗	✗	✓	✓	✓	✓	✓	✓	✓
	Cylindrical	✓	✓*	✓	✓	✓	✓*	✓*	✓	✓	✓	✓	✓
Can grip - multiple parts	Cuboid	✓	✓	✓	✗	✗	✓	✓	✓	✓	✓	✗	✗

\* With special fingertips.

**1b. Tool mounting**

Dual Quick Changer and HEX-E/H QC are not supported.

**2. Robot brands**

**Supported robot models and controllers**

Robot Type	ABB	Denso	Doosan	Elite	FANUC	FANUC CRX	Jaka
<b>Robot Model</b>	CRB 1100 -4/0.58 CRB 15000 -5/0.95 CRB 15000 -10/1.52 CRB 15000 -12/1.27 IRB 1100 -4/0.58 IRB 1100 -4/0.47 IRB 120 IRB 1200 -5/0.9 IRB 1200 -7/0.7 IRB 1300 -7/1.4 IRB 1300 -10/1.15 IRB 1300 -11/0.9 IRB 1300 -12/1.4 IRB 1600 -6/1.2 IRB 1600 -6/1.45 IRB 1600 -10/1.2 IRB 1600-10/1.45	VM-6083 VM-60B1 VP-6242 VS050A3 VS087A4 VP-5243 VS-050-S2 VS-087A4 VS-6577 VS-6556 VS-087	A0509 A0509s A0912 A0912s H2017 H2515 M0609 M0617 M1013 M1509 E0509	CS63 CS66 CS612 CS620 CS625	CR-7iA CR-7iA/L CR-14iA/L CR-15iA CR-35iB LR Mate 200iD LR Mate 200iD/4S LR Mate 200iD/7L LR Mate 200iD/14L	CRX-5iA CRX-10iA CRX-10iA/L CRX-20iA/L CRX-25iA	Zu3 Zu3S Zu5 Zu5S Zu7 Zu7S Zu12 Zu12S Zu18 Zu18S Zu20 Pro5 Pro12 Pro16
<b>Robot Controller</b>	IRC5 OmniCore	RC8	CS-03	EliRobot + EliServer CS-04	R-30iB R-30iB Plus R-30iB Mini Plus	R-30iB Mini Plus	Electrical cabinet

Robot Type	Kawasaki	Omron TM	Schneider	Techman	UR	Yaskawa
<b>Robot Model</b>	RS003N RS005L RS005N RS006L RS007N RS007L RS010L RS010N RS013N RS015X RS020N RS025N RS030N RS050N RS080N	TM5-700 TM5X-700 TM5-900 TM5X-900 TM5S TM5S-X TM7S TM7S-X TM12 TM12X TM12S TM12S-X TM14 TMX14 TM14S TM14S-X TM16 TM16X TM20 TM20X TM25S TM25S-X	RL03 RL05 RL07 RL12 RL18	TM5-700 TM5X-700 TM5-900 TM5X-900 TM5S TM5S-X TM7S TM7S-X TM12 TM12X TM12S TM12S-X TM14 TMX14 TM14S TM14S-X TM16 TM16X TM20 TM20X TM25S TM25S-X	UR3 UR3e UR5 UR5e UR10 UR10e UR16e UR20 UR30	GP4, GP4FGG GP7, GP7FGG GP8, GP8FGG, GP8FGG HS GP8L GP12, GP12FGG GP20 GP20HL GP25, GP25FGG GP25-12 GP35L HC10 HC10DT HC10DTP, HC10DTPF, HC10DTP Classic HC20 HC20DT HC20DTP HC30PL
<b>Robot Controller</b>	E01 E02 F01 F02 F60	TM	LXMRL03S000 LXMRL05S000 LXMRL05S000 LXMRL12S000 LXMRL12S000	TM	CB3 e-Series CB5.3+	YRC1000 YRC1000 Micro

### 3. Robot mounting

The robot cannot be facing downward (ceiling mounted).

### 4. Infeed type

An integrator must take care of the conveyor belt / turn table driving and timing (based on the Infeed sensor). The Infeed sensor can be any ultrasonic, laser/infra or any other type 24V digital sensor.

### 5. Part size/weight/type

Any shape that the gripper can handle can be used if the right bounding box is used.

- Minimum part size: The part size can be any size that the gripper can handle.
- Minimum part weight: The part weight can be any weight that the gripper and robot can handle.

## 6. Outfeed type

An integrator must take care of the conveyor belt / turn table driving and timing (based on the Outfeed sensor). The Outfeed sensor can be any ultrasonic, laser/infra or any other type 24V digital sensor.

### Layout configuration

