

ADAPTIVE GRIPPERS



2F-85



2F-140



Machine Tending



Assembly



Pick & Place

DESIGN

- Plug + Play kits for OMRONTM collaborative robots
- Wide range of applications
 - Easy to customize

INTEGRATE

- Fast installation
- Easy & powerful user interface
- Adjustable stroke, speed & force

OPERATE

- Robust, factory-proven hardware
 - High pinch force & payload
 - Built-in part validation

START PRODUCTION FASTER



TAKE FULL CONTROL

PROGRAM USING INTUITIVE OMRON™ GRIPPER PLUG-INS

ADJUST THE GRIPPER'S POSITION, SPEED, AND FORCE FOR A PERFECT GRASP

DETECT IF THE OBJECT IS PICKED



PLUG + PLAY KITS FOR OMRON™ COLLABORATIVE ROBOTS

INSTALL FULLY COMPATIBLE HARDWARE IN MINUTES, PROGRAM SOFTWARE QUICKLY – AND GET YOUR ROBOT TO WORK

SPECIFICATIONS	2F-85	2F-140
Stroke (adjustable)	85 mm	140 mm
Grip force (adjustable)	20 to 235 N	10 to 125 N
Form-fit grip payload	5 kg	2.5 kg
Friction grip payload	5 kg	2.5 kg
Gripper mass	0.9 kg	1 kg
Position resolution (fingertip)	0.4 mm	0.6 mm
Closing speed (adjustable)	20 to 150 mm/s	30 to 250 mm/s
Communication protocol	Modbus RTU (RS-485, RS-232)	
Ingress protection (IP) rating	IP40	IP40

* All specifications provided for reference only. See user manual at support.robotiq.com for official specifications.

WHAT'S NEXT?

Get access to the Adaptive Grippers specifications at support.robotiq.com

Chat with the Robotiq sales team:
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Place your contact information here