MG10

Release notes

Introduction

The new MG10 is an electric magnetic gripper that further extends the all-electric portfolio of OnRobot. The built-in intelligence with adjustable force and part detection ensures reliable handling of a wide range of part sizes and weights, from destacking of thin metal sheets to demanding payloads of up to 10 kg.

Items

Devices

Item no.	Description	Sales price ($)	Available from
105202	MG10	1.495	Mar. 11th 2021

Spare parts

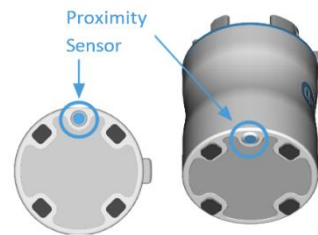| Item no.	Description	Sales price ($	Available from
107332	MG10 Fingertip set 20-65	85	Mar. 11th 2021
107333	MG10 Protection pads	40	Mar. 11th 2021

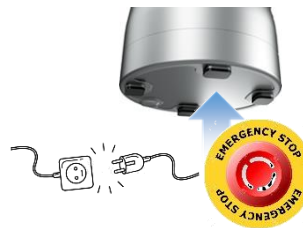# Functionalities

Hardware

- Powerful electric magnetic gripper that can handle demanding payloads of up to 10 kg

- Built-in proximity sensor to automatically detect the workpiece (Smart Grip) and integrated part detected/lost signal ensures robustness

- Safe grip that holds the workpiece even in case of power loss or E-stop ensures safe and reliable operation

- Works with flat objects out-of-the-box and includes exchangeable fingertips for handling of cylindrical objects

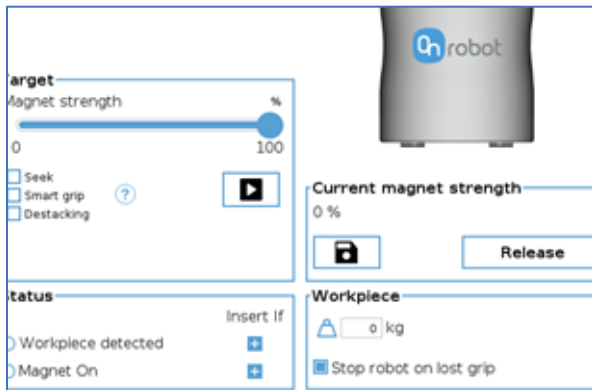- Designed to operate in harsh environments due to the completely sealed mechanical design
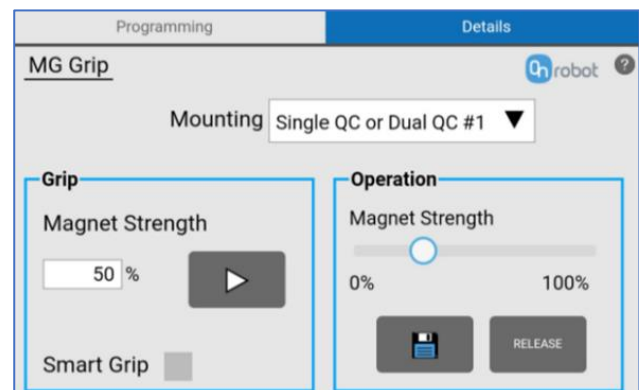
Software

Easy-to-use plugins to the robot UI available for a wide range of cobots:

- *Universal Robots*
- *Techman*
- *Omron TM*
- *Hanwha*
- *Kassow*
- *Fanuc CRX*

Robot scripts available for all other supported robot brands.

URCap plugin

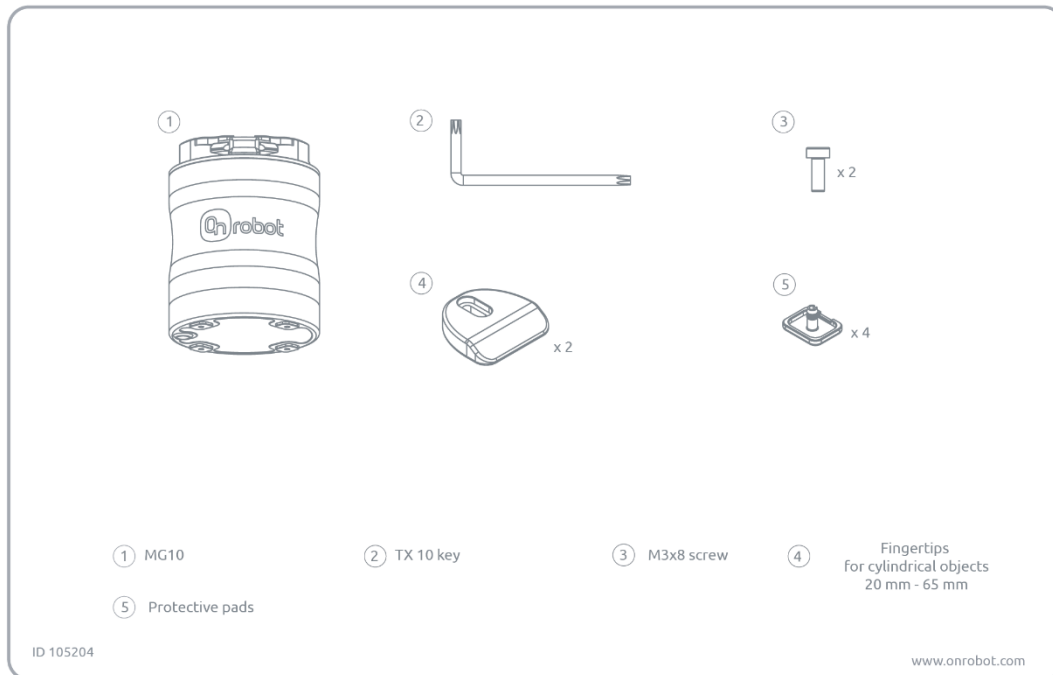*Fanuc CRX plugin*

Software requirements:

- Compute Box / Eye Box version: 5.7.0.7
- Universal Robots URCap version: 5.7.1
- Techman TMFlow Component version: 1.7.0
- OMRON TM TMFlow Component version: 1.7.0
- Hanwha Rodi X plugin version: 5.7.0
- KUKA installer version: 5.7.0
- Kassow CBUN version: 5.7.0
- FANUC CRX Plugin version (for MG10): 1.0.0
- EPSON v5.7.0
- Scripts version: 1.7.0 (ABB, Denso, FANUC, Kawasaki, KUKA, Nachi, Yaskawa)

Robot compatibility

	UR e-Series	UR CB3	ABB	Denso	Doosan	Fanuc	Fanuc CRX	Hanwha	Kassow	Kawasaki	Kuka	Nachi	Omron TM	Techman	Yaskawa
Tool-conn.	✓	✓					✓		✓						
Compute Box	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Detailed overview of available functionality for all robot brands can be found on Robot device compatibility on the [Partner Portal](#), will be available from March 10th after release webinar.

Package content

① MG10	② TX 10 key	③ M3x8 screw	④ Fingertips for cylindrical objects 20 mm - 65 mm
⑤ Protective pads		

ID 105204

www.onrobot.com

Pricelist

Updated pricelist can be found [here](#).
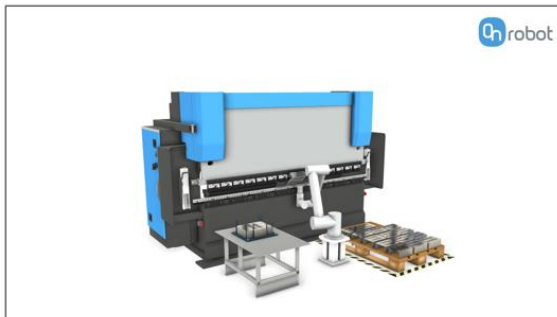
Value propositions

- Electric magnetic gripper offers fast out-of-the-box deployment without the complexity and costs of external air supply
- Built-in intelligence with easily adjustable force and part detection ensures reliable handling of a wide range of part sizes and weights
- Fast, compact and customizable gripper to fit all your application needs
- Ensure safe and reliable operation by maintaining grip even after power loss or emergency stop
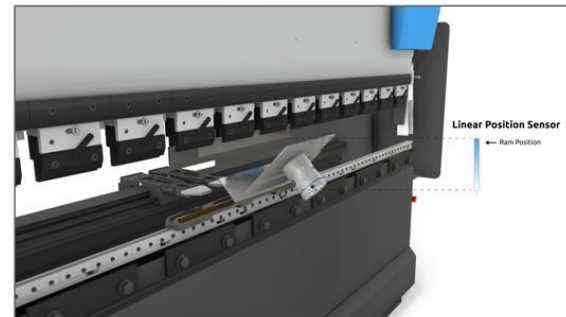
Application Video Guide

New **Press Brake Machine Tending Application Video Guide** *featuring MG10.*

3D-Animated instructional videos that take the user through the process of deploying a Press Brake Machine Tending application from beginning to end.
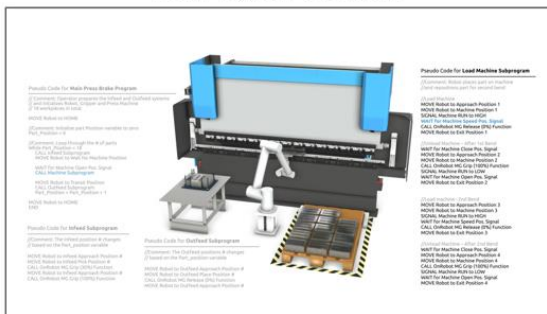
What to Expect

Press Brake Automation

Full Program Overview

✓ Lower Automation Barrier

✓ Reduce Deployment Time

✓ Highlight OnRobot Benefits

✓ Step-by-Step Learning

Available on the website from March 11th

Technical Files on Sharepoint

Updated USB-stick files: v1.30 – MG10 + fixes + CB 5.7.0.7

Content

- Compute Box / Eye Box software update v5.7.0.7
  Universal Robots URCap v5.7.1
  Techman TMFlow Component v1.7.0
  OMRON TM TMFlow Component v1.7.0
  Hanwha Rodi X plugin v5.7.0
  KUKA installer v5.7.0
  Kassow CBUN v5.7.0
  FANUC CRX Plugin v1.0.0 (for MG10)
  EPSON v5.7.0
  Scripts v1.7.0 (ABB, Denso, FANUC, Kawasaki, KUKA, Nachi, Yaskawa)