

Reel evolution at your service: Collaborative robot, call this version – **Yaskawa, HC10 palletizer** – Conveniently design for easy operation by Roboman-pta - using Yaskawa HC10 for highest standard in stability and safety.

- **Workspace:** 2x euro pallet (0,8x1,2) x height 1,2 meters
 - **Pay load:** 10 kg
 - **Speed mode:**
 - Collaborate mode 0,25m/sec
 - Hybrid mode 5 times faster
 - **Customized:**
 - Gripper
 - Software standard
 - Soft-touch screen
 - Screen guidance
 - Vision check
 - Laser detection
 - Standards
 - **Benefits**
 - Collaborate
 - Hybrid speed
 - The best from both worlds
 - Customized
 - Industrial quality
 - Proved and safe
 - **IPR**
- Flexible solution without limits**
Safety speed near humans
Speed with security enabled
- Optimized for customer use**
Magnetic, pneumatic, mechanic
Palletizing select work object dimensions
Operators menu – “what do you want now”
Robots info – “what you should do now”
Designed after your needs, placed in front
Mounted on gripper, find your parts
All Collaborative tools available
- When your needs changes**
Works with humans
Higher capacity
Collaborative mode and Hybrid speed
Wide range of solutions – at work
Result with nearly 50 years’ experience, Yaskawa
In cooperation with Danish Technological institute
- 3 Patent Pending**



Roboman-pta is a company placed in the middle of the geographical robot heart of Denmark:

“#we are robot heroes”

The product is based on the collaborative platform from the best robot supplier in the world; Yaskawa. Look at the video and be inspired - don't hesitate to call us.

Contact: Flemming Thinggaard +45 51952270

- it is human to get others to do the work –the robots do not disagree.

Solutions with On-Robot or Schunk grippers, ask for more information.



GECKO SINGLE PAD GRIPPER



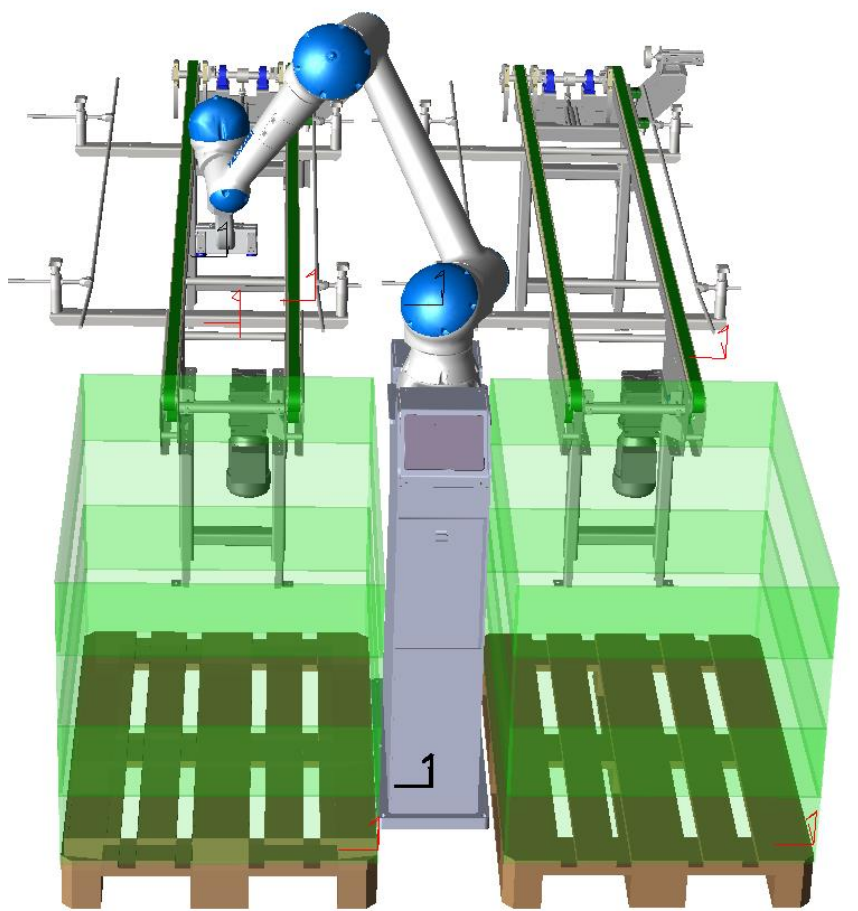
3FG15 THREE FINGER GRIPPER



VG10 VACUUM GRIPPER



Simulation: to ensure the right solution, send us a stp-file or similar (your parts), and a small project description – and we will respond to you.



YASKAWA

MOTOMAN HC10, HC10DT

Human-Collaborative Robot
6 Integrated Torque Sensors



MOTOMAN HC10 is a 6 axis human-collaborative robot with a payload of up to 10 kg. Operator's safety is assured by a Power and Force Limit technology that stops the robot in case of contact with an operator.

The robot arm can be hand guided by an operator and robot positions and gripper operation can be registered via so called "Easy Teaching Switch Box". These features offer time saving during the robot programming. The robots arm geometry was designed to avoid pinch points (finger).

The MOTOMAN HC10 robot can operate without additional protective measures like a safety fence, depending on the risk assessment. This saves space and costs. Its installation area is very flexible and therefore able to operate at different workplaces.

KEY BENEFITS

Controller

- Fully industrial robot controller
 - YRC1000 for HC10 and HC10DT
 - YRC1000micro for HC10DT

High safety

- Contact force between operator and robot is limited to a safe level
- Arm geometry designed to avoid pinch points (finger protection)
- Safety standards – applications for industrial robots: ISO 10218-1 (5.10.5 Power and Force limiting)
- Complies to ISO TS 15066
- Safety functions industrial robot controller: ISO 13849-1, PLd, Cat. 3
- Functional Safety Unit included

Easy teaching

- Move the robot arm directly via hand guiding function: easy teaching mode with a switch box

No safety fence

- Depending on the application, the HC10 can be used without a safety fence

Controlled by
YRC1000

Controlled by
**YRC1000
micro**

www.yaskawa.eu.com

