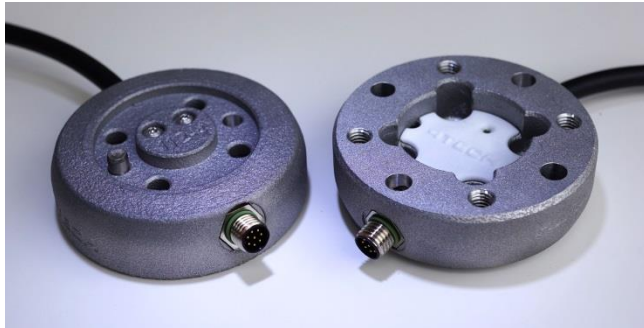


## Smart Adapter Flange:

4TECH Adapter Flange is a new smart way to mount end effectors on different robot arms. Tools for collaborative robots are often made with a flange and electric connector that fit the robot arms from Universal Robots



This new flange is made to fit tools on robot arms with smaller flanges. The flange has a built-in electric socket that also makes it easy to connect the tool to the robot controller

## Technical specifications:

Robot arm:

Flange: ISO 9409-1-40-4-M5

Tool:

Flange: ISO 9409-1-50-4-M6

Socket: M8 8 pins, male (UR tool connector)  
(Lumberg RKMV-8-354)

Housing material:

3D printed metal or plastics:  
Aluminum, standard version  
Polyamide, budget version

Cable:

8 conductors, click connector for safety

## More Adapter Flanges:

We have a series of smart adapter flanges that fit on robots with small or big flanges. We even have an extension flange for robots with an UR flange.



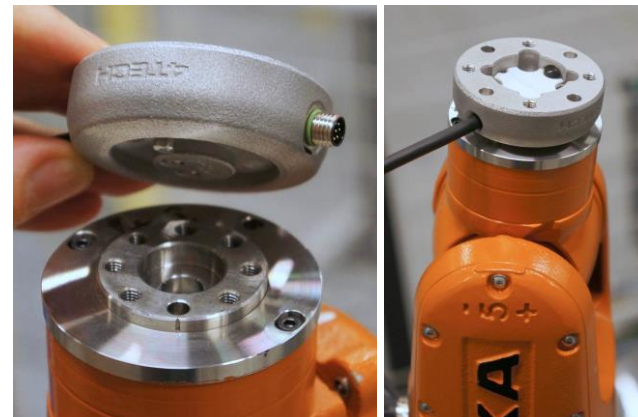
Yaskawa HC10 – Automata EVA - Omron TM5



Visit our website to see the full series of smart flange adapters for small robots:

<https://www.toolchanger.eu/adapter.htm>

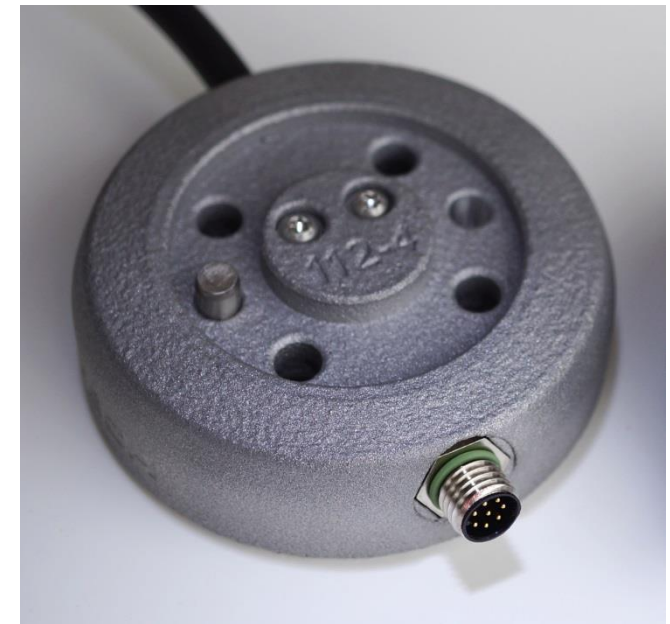
Here you will find specifications, drawings and 3D CAD files for visualizations and simulations.



KUKA robot ready for Universal Robots tools



## **4TECH Adapter Flange**



Smart adapter flange  
for small robots

**4TECH**

### Case story:

4TECH Adapter Flange was designed to fit the Kelvin Tool Changer to an ABB robot arm



4TECH Adapter Flange makes it possible mount all tools designed for UR robots on robot arm with the smaller 40-4-M5 flange. The build-in tool connector socket makes electric connecting of power and signals easy



The socket is directly connected to a cable that can be connected to the robot controller.

The cable has a pull out click connector to prevent cable damaged by mishap or accident.

### 3D metal print:

The housing for this flange is 3D printed in aluminum. The 3D printing technique allow the housing to be made hollow and with room for the socket and cable.



4TECH Robotics have a series of smart flange adapters designed to make it easy to use tools designed for UR on all small industrial robots.

These adapter flanges are designed for mounting the Kelvin Tool Changer on different robots but they can also be used to mount UR tools on these different robots.



### Contact:

The 4TECH Adapter Flange is designed by Henning Forbech, 4TECH Robotics Aps



More information and sales:

4TECH Robotics Aps  
Bülowsgade 36  
8000 Aarhus C  
Denmark

[www.toolchanger.eu](http://www.toolchanger.eu)  
[www.linkedin.com/company/4techrobotics](https://www.linkedin.com/company/4techrobotics)

e-mail: [forbech@4tech.dk](mailto:forbech@4tech.dk)  
tlf.: +45 40 38 21 17

