

Robotic Hand Changer

Model SWR

Robotic Hand Changer enables standardization of robots.
Even more flexible to use with the new options:
Ethernet Electrode, Ground Electrode and Servo Electrode.

HIGH Accuracy Repeatability **0.003mm**

HIGH Durability Durability Test more than **2 Million Cycles**

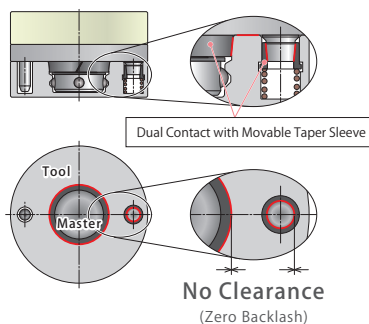
QUICK Delivery With Completed Product Inventory **Immediately Delivered**

LARGE Selection of Lineup Payload from **0.5kg** up to **360kg**

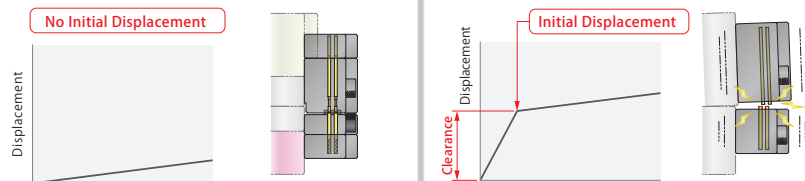
The World's Only Exclusive Mechanism

Kosmek Robotic Hand Changer

General Robotic Hand Changer



When torque acts in twisting direction



Super-Thin

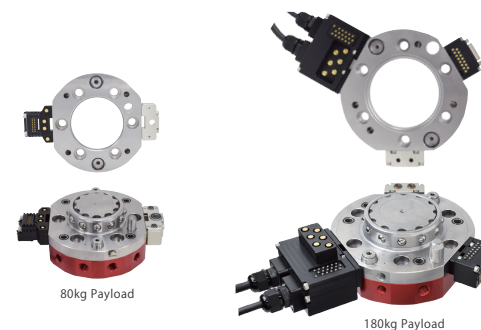
Clamped state dimension
SWL0800 : 53mm SWL1200 : 62mm SWL1800 : 70mm SWL3000 : 83mm

Direct Mounting on Robots

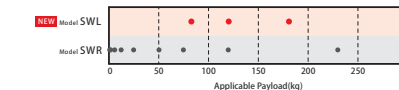
Applicable to ISO Mounting Pattern.

Fall Prevention

Mechanically holds connection even when air pressure is at 0MPa.



• **Payload | High** Max. Applicable Payload : 300kg.



• **Number of Electrodes that can be Mounted | Many |**

Able to mount electrodes on 2 ~ 3 surfaces.
2 Surfaces : 80kg / 120kg Payload 3 Surfaces : 180kg / 300kg Payload

• **Applicable to ISO Mounting Pattern**

Directly mounted on a robot whose mounting dimensions of the flange based on ISO mounting Pattern.

• **Fall Prevention | Safety |**

Two-step mechanical lock mechanism is built-in.
It enables powerful holding even when air pressure is at 0MPa, and securely prevents a tool fall.

• **No Backlash**

Movable taper sleeve is used on locating part. It enables no clearance when connected.

A Variety of Electrode and Air Joint Options

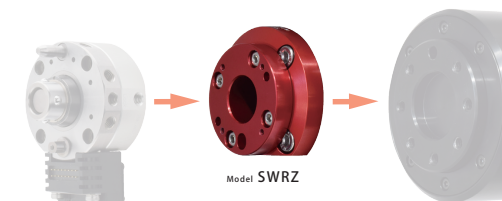
- For connecting signal lines
- For noncontact connecting
- For using in a washing device
- For using under mist
- For connecting AC power
- For adding extra air ports



New Accessory for Quick Connect of Robot and Hand Changer

Adapter Plate model SWRZ

Designing or making an adapter plate is not required.
Additional lineup: SWRZ-MF4 enables quick installation of the adapter plate to a robot flange with mounting pattern 4 which is adapted to many collaborative robots.
Applicable to ISO Mounting Pattern.



Manual Robotic Hand Changer

Model SXR



Enables manual quick change of the end of arm tooling, it is best suitable to collaborative robots (cobots).
Line-up of Payload : 0.5~1 kg Model, 3~5kg Model, and Additional 7~10 kg Model.

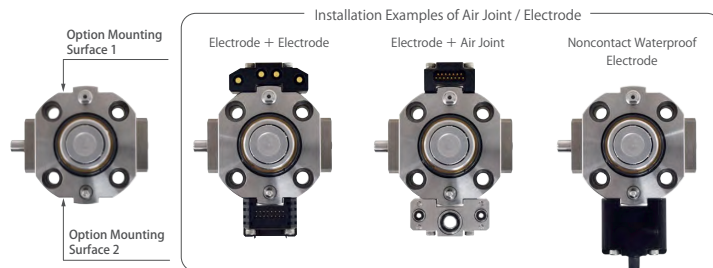
"No Power Source Required" Hand Change with Robot's Power

High Accuracy

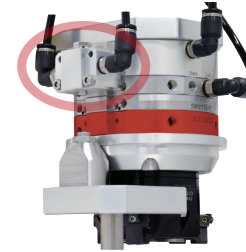
Locating Repeatability:
0.003mm



model **SMR**



New Accessory for Prevention of a Tool Fall



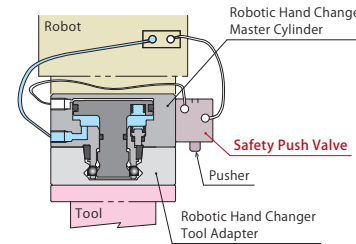
Safety Push Valve

Fall Prevention Valve

Model **SWRA**

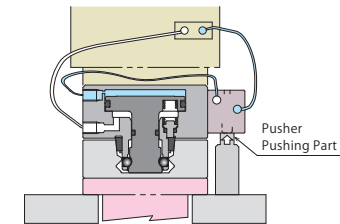
Prevents a tool fall caused by operational error of a valve during robot teaching. Enables to limit SWR to release only at a designated position (stocker).

Prevent a Tool Fall caused by Operational Error



Locked State

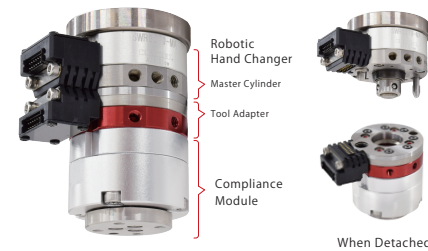
During transfer, it will not be released even when the valve is switched.



Release Enabled State

Release operation is possible only at the tool stocker.

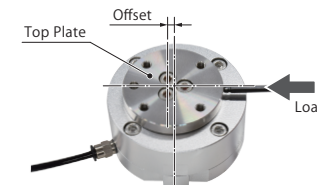
Accessory for Correcting misaligned Workpiece



Compliance Module

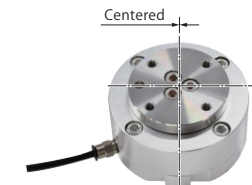
Model **WRC**

The floating top plate corrects misalignment of workpiece. Directly mounted to Kosmek Robotic Hand Changer model SWR.



Floating State Air **OFF**

The top plate can be floated when not supplying lock air pressure. When not receiving a load, the top plate returns to the center with the magnet.



Center Locking State Air **ON**

The top plate is centered and locked by supplying lock air pressure.