

Leakless Coupler

Model JWC/JWD

100% Stainless Steel

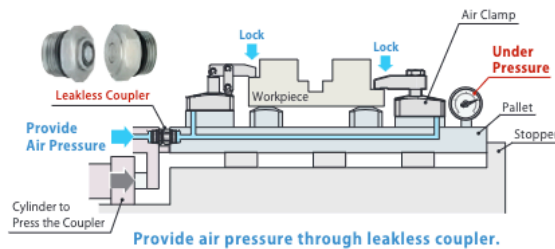
※ No copper (Cu) or zinc (Zn) based materials are used.
Stainless steel and aluminum materials may contain copper (Cu) and zinc (Zn) as additive elements.



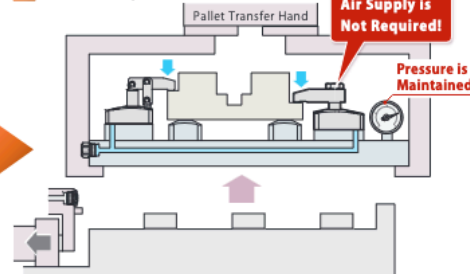
Leakless Coupler To Solve Pallet Transfer Problems

No need to provide air pressure when disconnected from air source. Leakless coupler can be disconnected while pressure is provided. Enables to remain air clamps in a locked state and transfer a workpiece to the next station.

1 Load and clamp a workpiece

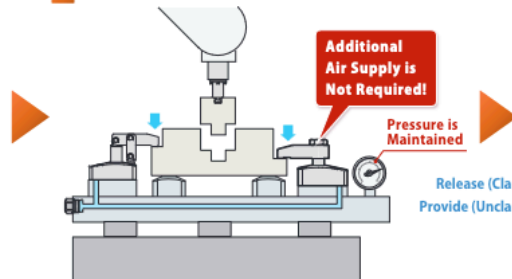


2 Transfer a pallet



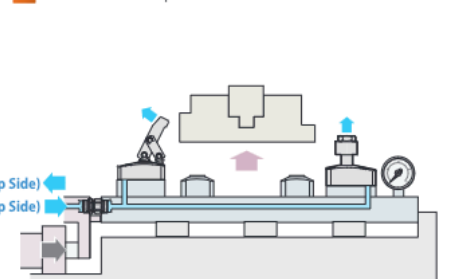
Disconnect couplers under pressure.
The couplers can maintain the air pressure inside the circuit.
Not necessary to provide the air pressure during pallet transfer.
Easy robot teaching without air tubing.

3 Intermediate Process (Machining, Deburring, Press-fit, Inspection etc.)



Possible to transfer a pallet to the next station while clamp is in a locked state.

4 Unload a workpiece



After the operation is completed, connect couplers to release air out.
(Provide air pressure to unclamp port to unload a workpiece.)

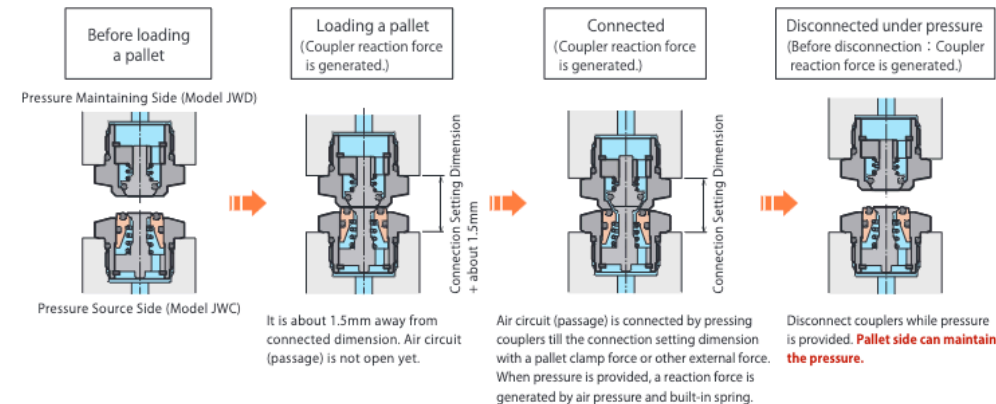
Enables to **maintain clamping force**
since it keeps the air pressure
even if a coupler is disconnected



※ Usable for negative pressure. Please contact us.

Action Description

※ Action Description when connecting/disconnecting Leakless Coupler under pressure.



Air Pressure Maintaining Test Data

KOSMEK internal test data to verify pressure maintaining for 48 hours

Testing data of measuring elapsed time and pressure change when Leakless Coupler is disconnected. Sealing part is equipped with Soft Seal. It enables a great pressure maintaining ability.

※ Testing data with stable surrounding temperature.

