



## **Locating Pin Clamp**

## Model SWP

Allows for high-accuracy locating and clamping of thin workpieces. Suitable for automation of clamping of spot welding workpieces. Equipped with air blow function to prevent contamination. Action confirmation with auto switch is possible.

# Excellent for Automation, Prevents Machine Stops

- Additional Lineup : Floating Model
- In case of locating with locating model and requiring clamping force.
   The floating model enables additional clamping force without interfering the locating model.



### Locating Pin Clamp

## Floating Model

Pin Head Floating Amount SWP0501: ±0.6mm SWP1001: ±0.8mm

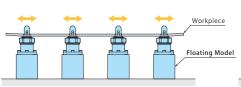
#### Locating Pin Clamp

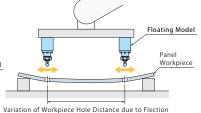
#### **Locating Model**

Locating Repeatability: 0.05mm

#### Application Example of Floating Model

• In case there is a large variation in workpiece hole distance due to warp or flection of a workpiece Variation of workpiece hole distance can be absorbed by the floating function.





#### Action Description



#### Workpiece Loading / Unloading

Gripper is retracted. Workpiece loading is smooth due to an adequate space between the workpiece hole and pin.

In case of Floating Model

(When Released)

The pin head floats following

a workpiece hole.

Pin Head In case of Floating Model

Lock

1 Expanding Action

Gripper expands. A workpiece is

located by the locating part.

(When Locked)

The workpiece is locked with the pin head floating. (No locating function)

2 Locking Action

Gripper pulls in the workpiece after locating,

and the clamping part pulls the workpiece

onto the seating surface for locking.

Spatter Resistant

Non-clearance prevents spatter from entering.

Features

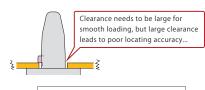
# **Work Efficiency**



General Pin Clamp

# Reduce the Risk of Machine Stop The retracted gripper makes enough clearance to unload the workpiece smoothly. Kosmek Locating Pin Clamp

# **Stable Clamping**

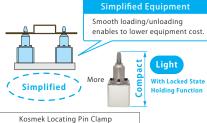


General Pin Clamp



**Lower Fixture Cost** 





30