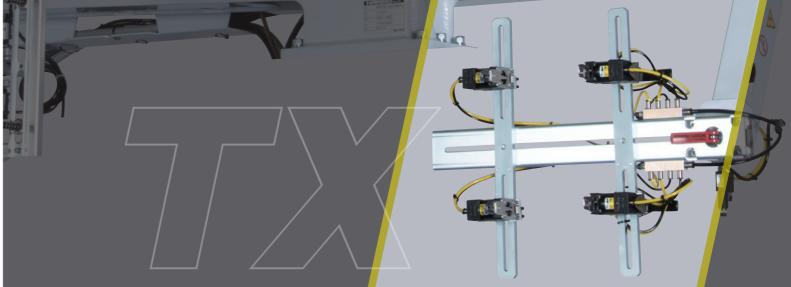
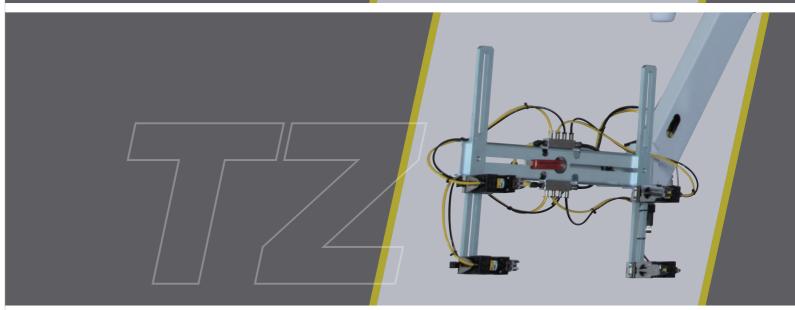
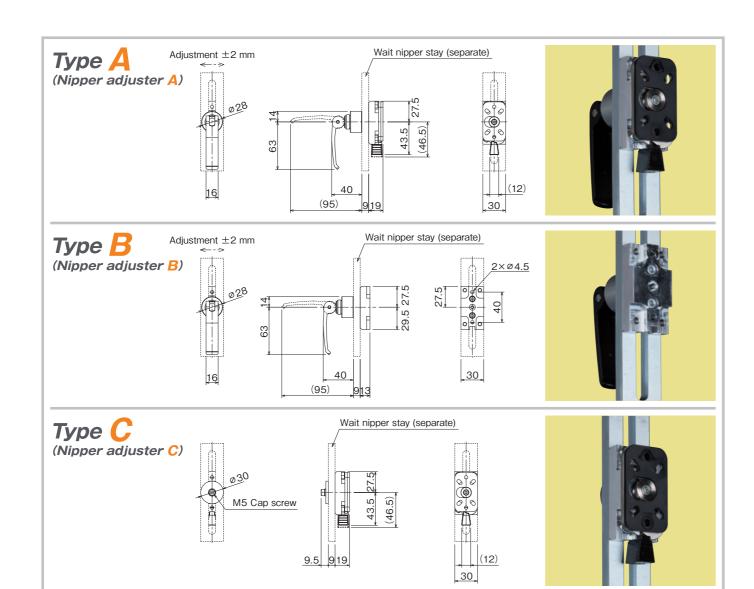


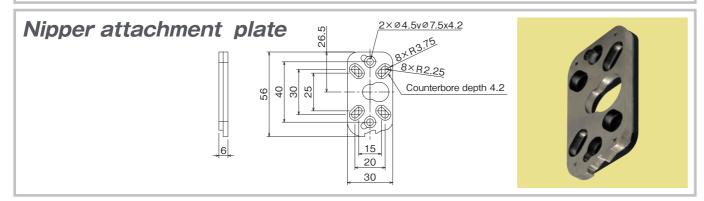
One-Touch wait nipper TY/TX/TZ type Nipper adjuster tool











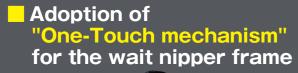
%For other nippers, please refer to the separate drawing.





A Revolution to shorten set up time!

- One-Touch Wait nipper
- Nipper adjuster tool



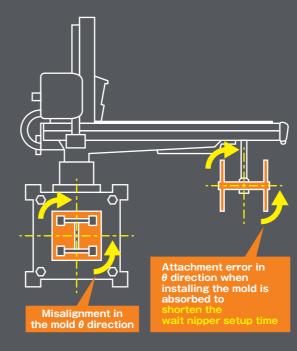
To reduce the set-up time by preparing a nipper frame for each mold

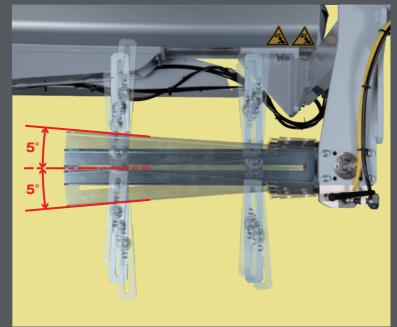


Installation is completed in only just 30 seconds

Adoption of "Angle Adjustment Mechanism" for nipper frame

- The nipper frame can be used to adjust the angle of the "θ-direction misalignment" that occurs when the mold is installed.
- It is possible to adjust the angle within a range of up to ± 5 degrees for " θ -direction misalignment

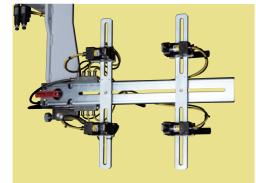




■ Nipper frame variation and nipper layout

- Two types are available depending on the cavity pitch of the molded product to be nipper cut: "Nipper frame cantilever type" and "Nipper frame center support type"
- By changing the nipper frame, it is possible to arrange nippers according to a variety of cavity pitches

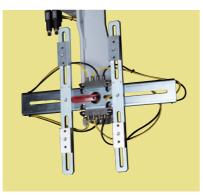
Installation examples



Cantilever nipper frame type (Type TY/TX)



Nipper frame center support type (Type TZ)



Nipper frame center support type (Type TZ)

Frame variation



TY type

- Installed on the traverse frame on the moving mold
- Available for pneumatic wrist flip control robots



TX type

- Installed on the traverse frame on the fixed mold
- Can be used with 2-axis wrist servo robots
- the conveyor



TZ type

- Installed at the traverse end
- Can be used with 2-axis wrist servo of Rx and Rz robots能
- Easy adjustment work as it is less • Easy adjustment work as it is not on susceptible to vibration and is not on the conveyor

No screws or tools needed when adjusting the position of the nipper, reducing set-up time to 1/3! (Our comparison)

■ Nipper adjuster tool variation

Type A

Recommended for customers who have many nipper changes and position adjustments





Туре $oldsymbol{B}$

Recommended for customers who do not change the nipper but often adjust the position





Туре С

Recommended for customers who do not have a nipper adjuster but want to change the nipper





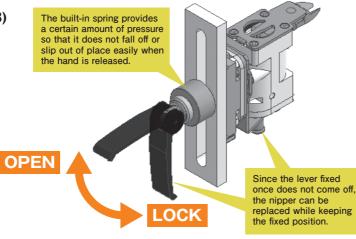
Function of the nipper adjuster tool

How to adjust nipper position (Type A/B)

- Adopting a Cam lever lock function to easily adjust the position of the nipper without using screws or tools.
- Structure that prevents misalignment because it is fixed when the lever is pushed down
- One action allows the lever to be fixed and released, greatly contributing to the reduction of set-up time

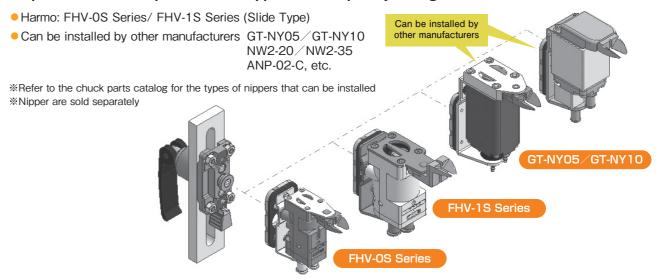


When attaching or detaching the nipper, pay attention to the blade of the nipper so as not to cut your hand



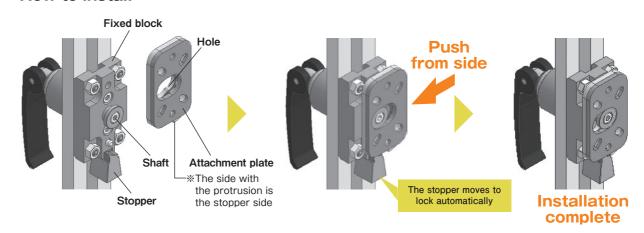
■ One-Touch replacement (No tool required)

Able to attach or detach any nipper with One-Touch
Helps to reduce set-up time when nippers are frequently changed



How to attach and detach nippers

How to install



How to remove

