



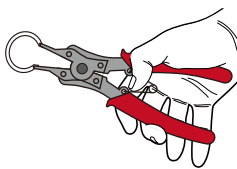
# VESSEL Air Nippers for all your needs (4)

VESSEL has solved users' problems. Here are some examples of our solutions.

## Problem #1

### Desired to attach a snap ring easily.

Workpiece: Parts for automotive (Bearing)  
Tool that was used: Snap ring plier



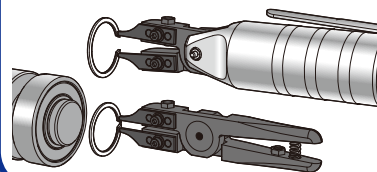
#### Causes:

The diameter of the snap ring is large, and the manual opening requires grip strength, which is exhausting and inefficient for repetitive work.

## Our Solutions

### Custom-made blade for C-shaped retaining ring

Nipper: GT-N12  
Custom-made blade: N12VO[\*\*\*]



The pin-shaped blade that matches the size of the snap ring is replaceable. The blade opening width can be adjusted with two screws on it.

## Problem #2

### Desired to drill a hole on a molded product.

Workpiece: Polypropylene (PP) duct  
Tool that was used: Drill



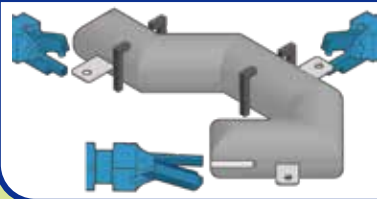
#### Causes:

Drilling holes in plastic ducts with a drill produces chips and the accuracy of the holes is not stable. Moreover, chips adhere to the surroundings and inside the duct due to static electricity, increasing the extra cleaning.

## Our Solutions

### Custom-made punching blade

Nipper: GT-N30  
Custom-made blade: N30DG[\*\*\*]

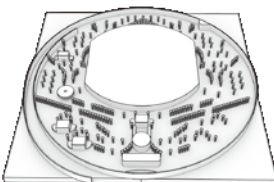


One of the cutting edges is a stationary blade for easy positioning and highly accurate drilling. Compared to router work, it is clean because it does not produce shavings. There have been cases where such nipper/blade has been incorporated into automatic machines, resulting in increased production.

## Problem #3

### Removing nails from a product before its recycling is troublesome.

Workpiece: Japanese pinball machine  
Tool that was used: Nail pullers, pliers, and so on.



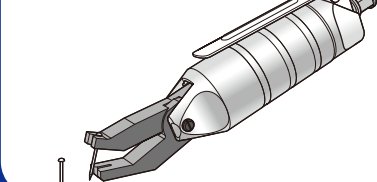
#### Causes:

Manual removal of more than 100 nails per Japanese pinball machine is time-consuming and labor-intensive. Want to handle this process efficiently and in a short time.

## Our Solutions

### Custom-made nail pulling blade

Nipper: GT-N30  
Custom-made blade: N30VO[\*\*\*]



Just hook the blade onto the shank of the nail and grip the lever of the air nipper to pull out the nail. Smooth and speedy work while checking the position of the nail.



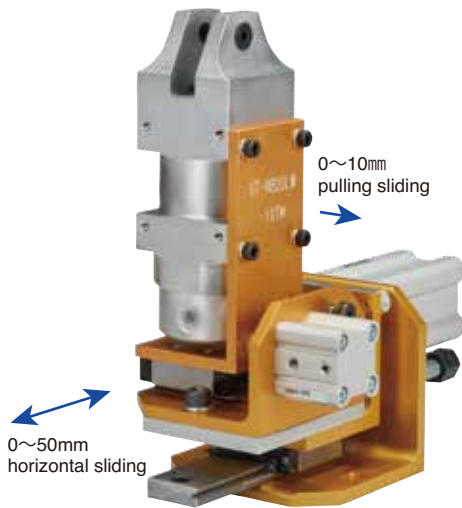
Quotation is free.



Can cut your workpiece on request.

If you cannot find a suitable blade for your work among the standard blades, we will design and manufacture a blade to your specifications. We will provide you with approval drawings and pricing after discussing model selection and blade design. Please contact us at the address listed on the reverse side of this page.

## W Sliding Air Nipper Bracket Type



- With a side opening blade for plastic mounted, this nipper can make itself insert to the place where ordinary nippers cannot reach, and move close to the gate to cut.
- Sliding direction moves up to 50mm in the horizontal direction and up to 10mm in the pulling direction.
- Blades are OPTION.

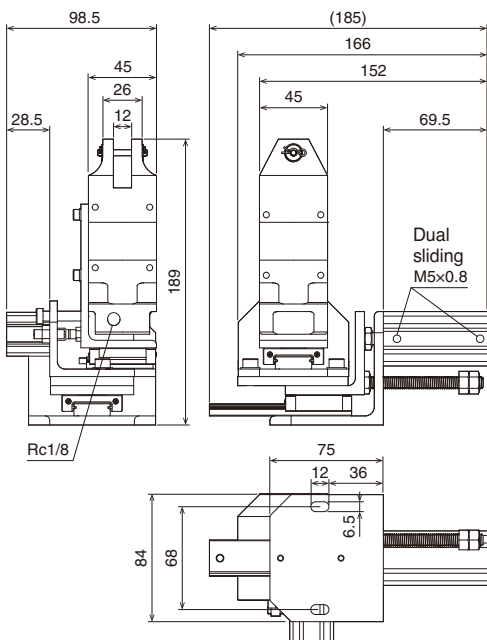


Example

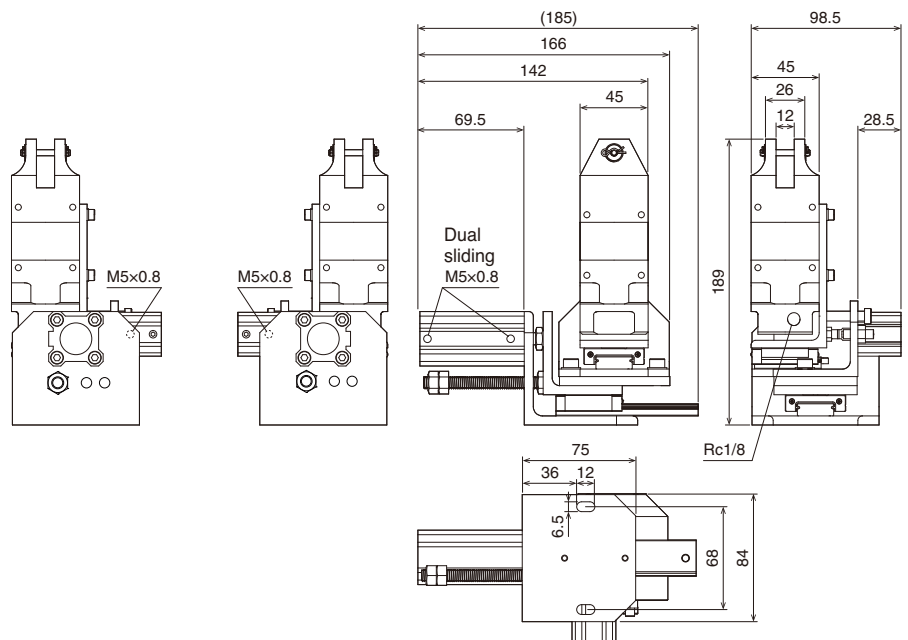
<https://www.vessel.co.jp/btob/feature/2990.html>

Code No.	Model No.	Horizontal sliding(mm)	Sliding Direction/Distance(mm)	Air consumption (cm <sup>3</sup> /str.)	Weight (g)	JAN (4907587)
360066	GT-NB20LW-10TML-50DM-SM	0 - 50	Pulling sliding 0~10	432	1,621	014665
360067	GT-NB20LW-10TMR-50DM-SM	0 - 50	Pulling sliding 0~10	432	1,621	014672

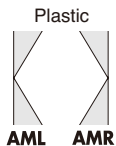
### NB20LW-10TML-50DM-SM



### NB20LW-10TMR-50DM-SM



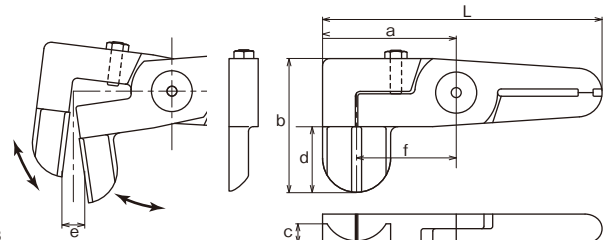
### Side opening blades for plastic



Plastic  
For plastic with the cutting edge bent 90°. Effective for the narrow space where ordinary nippers cannot enter.



N20AML1498



Code No.	Model No.	a	b	c	d Effective Length	e Blade Opening	f	L OAL	Weight (g)	Material	Applicable Models	JAN (4907587)
360384	N20AML1498	55	55	8	26	9.5	41	115	270	Special alloy steel	GT-NS20 / N20 / NR20 / NB20	378743
360385	N20AMR1499	55	55	8	26	9.5	41	115	270	Special alloy steel	GT-NS20 / N20 / NR20 / NB20	378750

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