



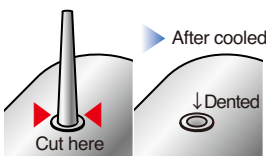
# VESSEL Air Nippers for all your needs (2)

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

## Problem #1

### The cut area of PVC workpiece dents.

Workpiece: PVC Pipe(12~18mmΦ/40~60°C)  
Blade that was used: Blade for plastic



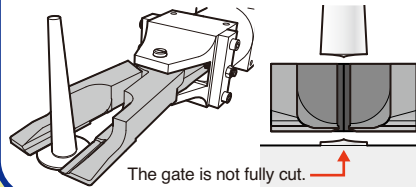
#### Causes:

When a warm PVC pipe that was just removed from the molding machine is cut at the gate, it will dent after it cools due to the shrinkage. The cut area becomes thin and the desired strength cannot be obtained.

## Our Solutions

### Custom-made blade for plastic

Custom-made nipper: GT-NSR50H-1  
Custom-made blade: N50AJ[\*\*\*]

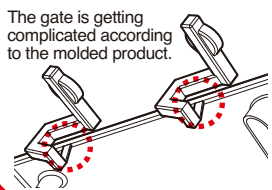


Custom-made blade with its cutting edge angle finely adjusted so that the blade will not cut fully the gate, in consideration of the shrinkage after cutting.

## Problem #2

### The blade does not reach the gate.

Workpiece: Polycarbonate + Acrylonitrile Styrene  
Blade that was used: Nipping blade



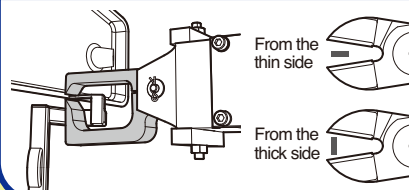
#### Causes:

The runner is in an obstructed position and cannot be cut because the standard nipping blade cutting edge does not reach the gate.

## Our Solutions

### Custom-made nipping blade

Nipper: GT-NS30H-1  
Custom-made blade: N30AE[\*\*\*]

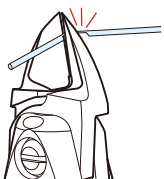


A custom-made nipping blade is designed so that it "straddle" the runner. Recommended to cut the workpiece from its thin side for clean surface after cutting.

## Problem #3

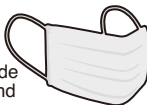
### Cannot cut the rubber string perfectly.

Workpiece: Mask strings (rubber + fiber)  
Blade that was used: Blade for plastic



#### Causes:

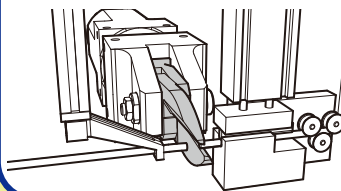
Mask strings are made with rubber + fiber and are elastic, so they cannot be cut well with nippers for plastic.



## Our Solutions

### Air Scissor

Nipper: GT-HWS10  
Blade: HW10J



The blade opens and closes by air piston. Since a spring is not in the product, this is also suitable for automatic operation. Scissors cutting edges slide against each other to cut workpieces securely.



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.

## The following blades are also in stock!

Please refer to the QR code on the right for a quick guide to air nipper / blade selection.

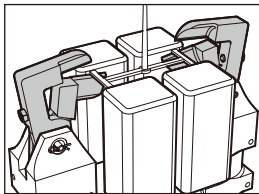
Quick reference table for selection of standard blades



### Blade for plastic

#### 《Side opening blade》

- For plastic with the cutting edge bent 90°.
- Good for cutting a workpiece from its thin side after inserting the blade from the side.

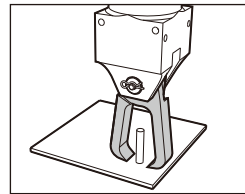


No.N20AML1498 etc.

### Nipping blade for plastic

#### 《Nipping blade》

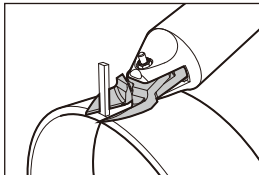
- Cut the gate by inserting the blade from its upper direction.
- For over-ride gate and discard gate.



No.N20AE1205 etc.

#### 《R blade》

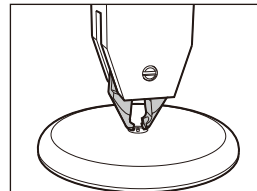
- A large curve is on the cutting surface to support the gate whose cut end must not be left.
- Angled blades can be chosen to match the installation angle of the nipper.



No.N20AA27 etc.

#### 《Nipping blade for pin gate》

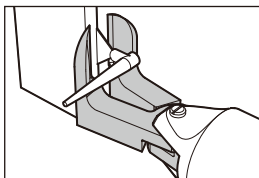
- Cut, at the bottom of the step on the workpiece, the pin gate coming out from the depression or under the step.



No.N3AE406

#### 《L blades for sprue cut》

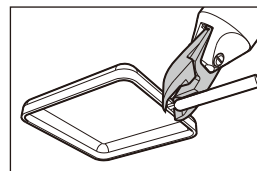
- 90°angled long type of straight blade.
- Ideal for cutting the direct gates and the wide fan gates.



No.N30AL525

#### 《Angled nipping blade》

- The cutting edge is angled so that the nipper can be diagonally installed.
- For over-ride gate and discard gate.



No.N20AE19A etc.

## VESSEL Co., Inc.

17-25, Fukae-Kita 2-chome, Higashinari-ku, Osaka 537-0001 JAPAN  
Tel:+81(0)6 6976 7778 Fax:+ 81(0)6 6972 9441  
E-mail:export@vessel.co.jp URL:www.vessel.co.jp/english/

## VESSEL EUROPE

contact@vessel-europe.com  
www.vessel-europe.com

Distributed by