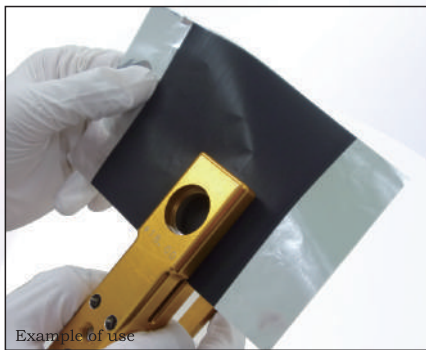


# UNRIVALED ACCURACY

An amazing amount of 6,000,000 shots was realized by Nogami's precision stamping die, and accordingly annual total cost of ownership has been reduced to one-third.

World's smallest class HANDHELD PUNCH is developed by making the most use of its technology.

Please experience exceptional sharpness by yourself.



**Main Uses: Metal Foil, Multilayer Film and TAB Tape**  
clearance: 0.005 mm or less

**Recommended material thickness: 0.1mm or less/ metal foil**  
**0.2mm or less/ resin film**

## Light weight and small size improve workability

A small and light-weight punch allows female hands to handle easily

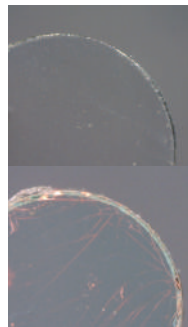
## Engineering design achieves shock-resistant punch

The material is the highest-strength aluminum and the structure is a press fitting of knock pins into its body. Consequently, punch is not caught even if it drops by mistake.

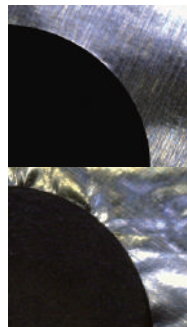
## It minimizes foreign substances generated by interferences

Two technologies, precision cutting technology based on the 40 years' experience since the foundation and assembling technology of one micron precision developed by general-purpose grinding, minimize foreign substances at the part of slides and interferences.

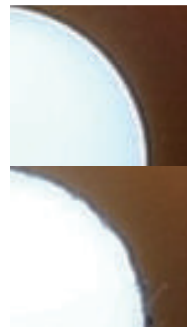
Comparison of stamping performance of 3 materials  
upper photos show the edges by Nogami's punch.



Advanced resin sheet  
Thickness; 0.2 mm



Aluminum foil  
0.015 mm



for electrode TAB film  
0.25 mm

## Sharp cutting quality lasts for a long-time

Owing to Nogami's ultra-precision grinding technology of minimum clearance less than 0.005 mm, outstanding cutting quality will last for many hours.

Regarding the metallic foil that seems tough to stamp, it is capable to stamp out it with neither burrs, nor deformations nor foreign substances.

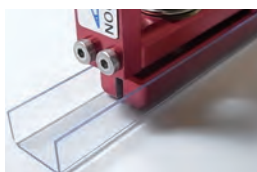
Next Solution **NOGAMI**

**FOUR SIZES ARE AVAILABLE AS THE STANDARD HANDHELD PUNCHES.****Make use of option & accessory to improve the workability****Option and Accessory****Color selection**  
(Color of anodized aluminum)

Anodized aluminum shows resistance to corrosion that is unique to aluminum. Easily recognize each punch by color that is a proper handheld punch used at each workshop.

**Acrylic Container**

Easily collect stamped products and scraps.

**Base**

As the base holds a punch upside down, the workability is improved.

**Marking Line**

Useable line as a guideline of X-axis of punching position.

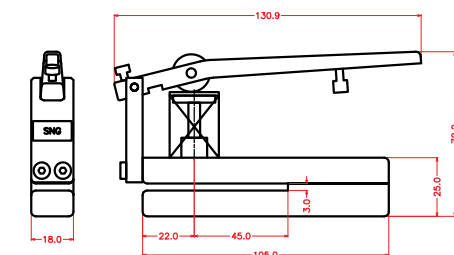
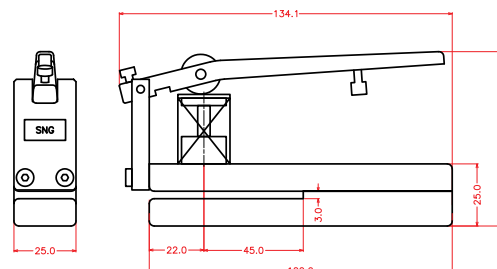
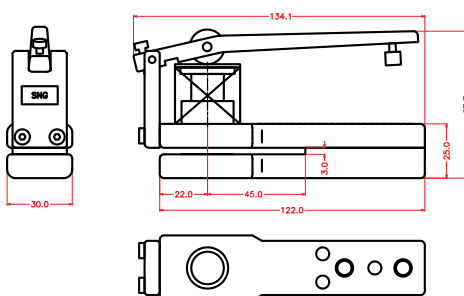
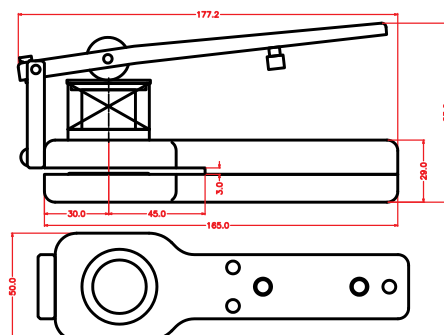
**Sustainer**

Sustain a film, foil or TAB tape and useable as an index of Y-axis of punching position.



Size	Standard Products (Color:Silver)			
	Dimensions (WxLxH) Refer to drawings below	Recommended stamping shape and size (mm)		Depth of Pocket (mm)
		● Circle (Diameter)	■ Quadrangle, Maximum size	
S	18×130×70	1.50~5.00	5.00×5.00 R0.2~	45
M	25×130×70	5.01~10.00	8.00×24.00 R0.2~	
ML	30-25×130×70	10.01~18.00	12.00×12.00 R0.2~	
L	50-30×200×70	18.01~25.00	22.00×22.00 R0.2~	

Specifications are subject to change without prior notice.

**S****M****ML****L**

**Provide a solution to fit your requirements.**  
Please feel free to talk with us.

**Custom-designed Punches**

Manufacture your custom-designed punch to meet the requirements of size, shape and others.

**Coating for adhesive materials**

Recommended coating is applicable according to the type of adhesive.

**Cutting tool made of best suitable material**

Cutting edge is made of the best suited material for your product and usage.

[www.nogami-gk.co.jp](http://www.nogami-gk.co.jp)**Nogamigiken Co., Ltd.**

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**Next Solution NOGAMI**