

## HAND TOOLS

SUPER CUTTERS	<b>YN-25AS/26AS/27AS</b>
AIR-POWERED DEPANELING TOOL	<b>YN-300</b>
HOBBY NIPPERS	<b>YN-1/ 3/ 4</b>
HOBBY PLIERS	<b>YP-1/ 3/ 4</b>
PRECISION NIPPERS	<b>YN-10AS / 13AS</b>
1.5 mm PLATFORM NIPPERS	<b>YN-104</b>
PRECISION PLIERS	<b>YP-10</b>
MANUAL DEPANELING TOOLS	<b>YN-215AS / YN-220AS</b>
CRIMPING PLIERS	<b>YP-201</b>
WIRE STRIPPERS	<b>YS-1</b>
PRECISION WIRE STRIPPERS	<b>YS-2 / 3</b>
CABLE STRIPPERS	<b>YS-100 / 101</b>



SOLDERING SYSTEM

LEAD-FREE TEMPERATURE-CONTROLLED SOLDERING STATIONS

TEMPERATURE-CONTROLLED SOLDERING STATIONS

TEMPERATURE-CONTROLLED SOLDERING IRONS

HIGH EFFICIENCY SOLDERING IRONS

GENERAL/SPECIAL PURPOSE SOLDERING IRONS

SOLDERING THERMOMETER

SOLDER POTS

SURFACE MOUNT / SMT PRODUCTS

DESOLDERINGS

SOLDERING ACCESSORIES

SOLDERING WORK MATERIALS

HEATED TOOLS

HAND TOOLS

# HAND TOOLS SUPER CUTTERS/HOBBY HAND TOOLS

Light & Compact.  
Suitable for hobby work.



## HOBBY HAND TOOLS mini YN/YP series

**MINI NIPPERS**  
YN-1



**MINI NIPPERS (FOR PLASTIC)**  
YN-3



**MINI PLIERS**  
YP-1



**MINI NIPPERS**  
YN-4



**MINI PLIERS**  
YP-3



**MINI PLIERS**  
YP-4



### MINI NIPPERS

MODEL	Max. Cut Dia.	Length
YN-1		118 mm
YN-3	ø1.8 mm (copper wire)	118 mm
YN-4		125 mm

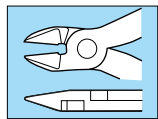
### MINI PLIERS

MODEL	Max. Cut Dia.	Length
YP-1	ø1.2 mm (soft iron)	124 mm
YP-3	ø1.6 mm (soft iron)	145 mm
YP-4	ø1.6 mm (soft iron)	160 mm

Fabulous cutting ability.  
Rockwell hardness HRC62.



## SUPER CUTTERS YN-25AS

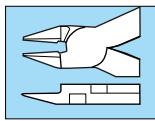
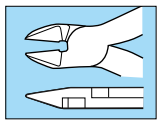


- Ball-bearing grade steel ●Black oxide coated to resist rust
- Anti-static model

Fabulous cutting ability.  
Rockwell hardness HRC58.

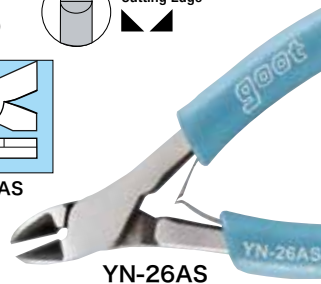


## SUPER CUTTERS YN-26AS/27AS



YN-26AS

YN-27AS



- High-quality steel
- Anti-static model

MODEL	Max. Cut Dia.	Length
YN-25AS	ø1.3 mm (Copper wire)	122 mm
YN-26AS	ø1.3 mm (Copper wire)	122 mm
YN-27AS	ø1.0 mm (Copper wire)	122 mm

Depaneling tool for cutting PCB tabs.

## AIR-POWERED DEPANELING TOOL YN-300

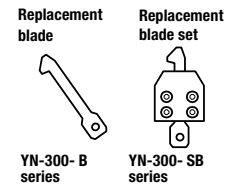


Blade not included.



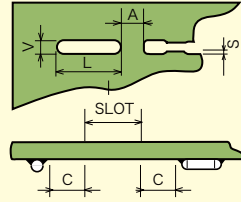
- Uses compressed air ●Easy continuous operation with compressed air. ●Suitable for many kinds of PCBs in small lot production.

### Replacement blade/ Replacement blade set



MODEL	YN-300
Compressed Air Pressure	6-7 Bar-Tube ø6
Consumption	3.5 NI/ min
Blade Material	Tempered steel
Approximate Dimensions (not including the blade)	Approx. 210 x 35 mm
Weight	400 g

### PCB Specifications



PCB thickness	1.6 mm max.
Slot length (L)	min. 13 mm – max. 70 mm
Slot width (V)	1.5 mm / 1.8 mm / 2.0 mm (Depends on blade)
Slot width tolerance	0-0.02 mm
Distance between slots (A)	1 mm-3 mm (tole. 0+0.1 mm)
Protrusion (S)	max. 0.05 mm
Lower area of PCB free of components (C)	1.9 mm min.

MODEL	Replacement blade set	YN-300-SB15	YN-300-SB18	YN-300-SB20
	Replacement blade	YN-300-B15	YN-300-B18	YN-300-B20
Blade thickness		1.5 mm	1.8 mm	2.0 mm
Blade Material		Tempered steel		
PCB application size	A	1.5 mm	1.8 mm	2.0 mm
	B	1-3 mm		
	C	min. 13 mm-max. 70 mm		
	D	max. 1.6 mm		

### Replacement blade

- Replacement blade 1.5 mm (LDPP15)  
**YN-300-B15**
- Replacement blade 1.8 mm (LDPP18)  
**YN-300-B18**
- Replacement blade 2.0 mm (LDPP20)  
**YN-300-B20**

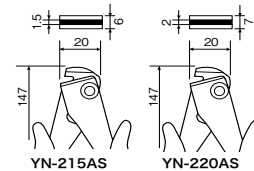
### Replacement blade set

- Replacement blade set 1.5 mm (LPDPP15)  
**YN-300-SB-15**
- Replacement blade set 1.8 mm (LPDPP18)  
**YN-300-SB-18**
- Replacement blade set 2.0 mm (LPDPP20)  
**YN-300-SB-20**

## For depaneling PCBs MANUAL DEPANELING TOOL YN-215AS/ 220AS



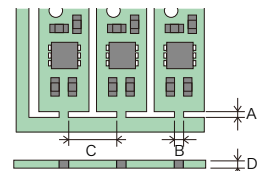
- For depaneling PCBs with slits, or perforations.
- Only light force required. Less flex, and less stress. ●Applicable for CEM-3 PCBs



MODEL	Length	Weight	Blade Thickness
YN-215AS	147 mm	95 g	1.5 mm
YN-220AS			2.0 mm

### Specifications

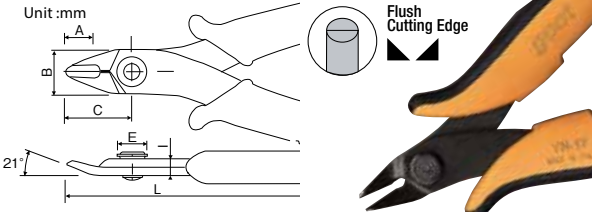
	YN-215AS	YN-220AS
A	1.6 mm or more	2.1 mm or more
B	2.5 mm or less	
C	25 mm or more	
D	2.0 mm or less	2.0 mm or less



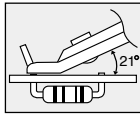
# HAND TOOLS PRECISION NIPPERS

## Micro Nippers FLAT CUTTING SURFACE YN-10/12/13/17/20

RoHS



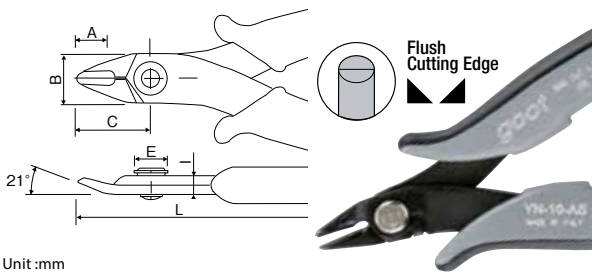
●Flat cutting edges that do not put any load on the body of the component. For cutting precision components, lead wires, etc. ●The YN-10 and 12 have a safety clip for holding wire scraps securely after cutting. **NOTE:** Use only for cutting copper wire.



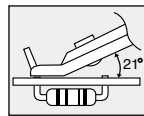
MODEL	Max. Cut Dia.	A	B	C	E	I	L
YN-10	ø1.3	8	13.5	20	9	6	140
YN-12	ø1.0	8	10	18	9	5	133
YN-13	ø0.8	8	9.5	18	9	4	133
YN-17	ø1.3 (Thin blade)	8	13.5	20	9	5	138
YN-20	ø1.6	8	13.5	20	9	6	139

## Anti-static type. PRECISION NIPPERS YN-10AS/13AS

RoHS ANTI STATIC



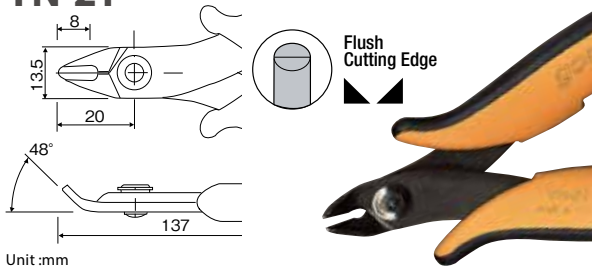
●Flat cutting edges that do not put any load on the body of the component. For cutting precision components, lead wires, etc. ●The YN-10AS has a safety clip for holding wire scraps securely after cutting. **NOTE:** Use only for cutting copper wire.



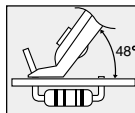
MODEL	Max. Cut Dia.	A	B	C	E	I	L
YN-10AS	ø1.3	8	13.5	20	9	6	140
YN-13AS	ø0.8	8	9.5	18	9	4	133

## For High-Density PCBs. PRECISION NIPPERS YN-21

RoHS



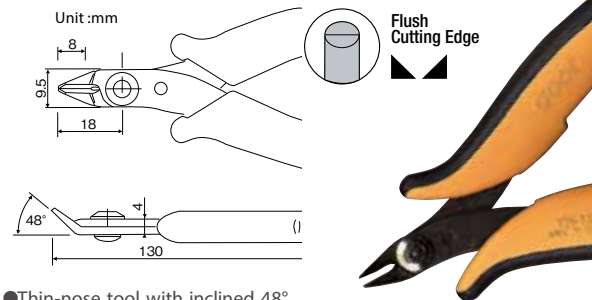
●Inclined 48° blades. For specific work such as the leads of surface-mounted components. **NOTE:** Use only for cutting copper wire.



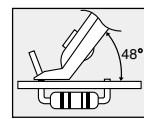
MODEL	Max. Cut Dia.	Length
YN-21	ø1.3 mm	137 mm

## For High-Density PCBs. PRECISION NIPPERS YN-15

RoHS



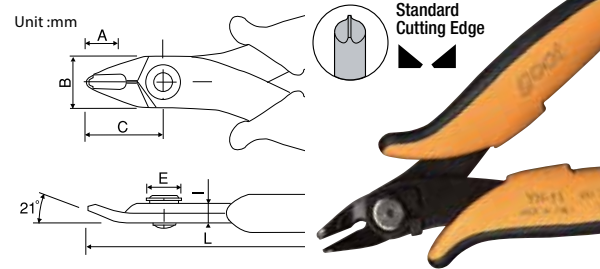
●Thin-nose tool with inclined 48° blades. Ideal for hard-to-reach areas. ●Clearly cuts flat IC leads by aligning the cutting edge with the circuit board. **NOTE:** Use only for cutting copper wire.



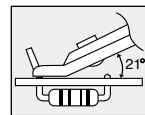
MODEL	Max. Cut Dia.	Length
YN-15	ø0.6 mm	130 mm

## Micro Nippers STANDARD CUTTING SURFACE YN-11/18

RoHS



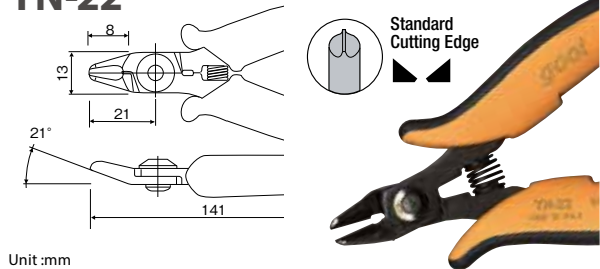
●Maximum cutting diameter of 1.6 and 2.0 mm. ●YN-18 is stronger than YN-11. ●The YN-11 has a safety clip for holding wire scraps securely after cutting. **NOTE:** Use only for cutting copper wire.



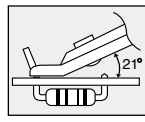
MODEL	Max. Cut Dia.	A	B	C	E	I	L
YN-11	ø1.6	8	13.5	20	9	6	138
YN-18	ø2.0	8	13.5	19	9	6	138

## Heavy Duty Nippers STANDARD CUT YN-22

RoHS



●Strong tool with a maximum cutting diameter of 2.0 mm. ●The 21° blade angle allows easy cutting with slight force. **NOTE:** Use only for cutting copper wire.



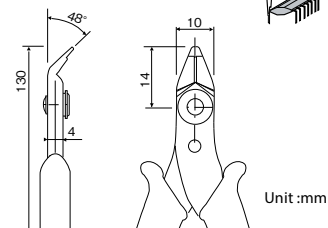
MODEL	Max. Cut Dia.	Length
YN-22	ø2.0 mm	141 mm

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SOLDERING TESTER  
TIP THERMOMETER  
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HAND TOOLS

# HAND TOOLS PRECISION NIPPERS

For integrated circuit pins.

## PRECISION NIPPERS YN-14



- Angled at 48° for the cutting of integrated circuit pins.
- Held in the reverse manner to standard nippers, the YN-14 cuts the flat IC leads that face away from the user.

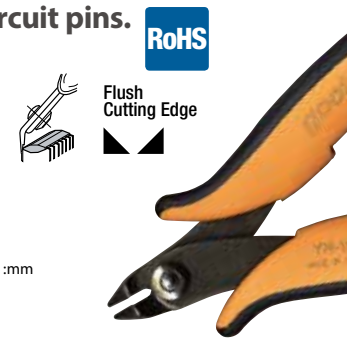
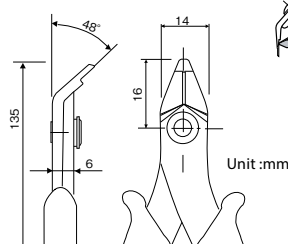


**NOTE:** Use only for cutting copper wire.

MODEL	Max. Cut Dia.	Length
YN-14	ø0.6 mm	130 mm

For integrated circuit pins.

## PRECISION NIPPERS YN-16



- Angled at 48° for the cutting of integrated circuit pins.
- Held in the reverse manner to standard nippers, the YN-16 cuts the flat IC leads that face away from the user.

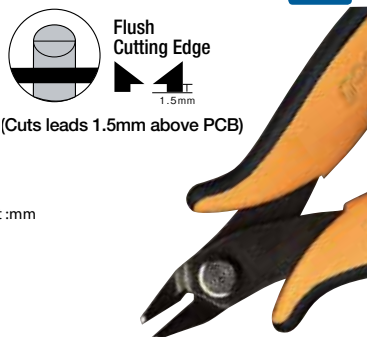
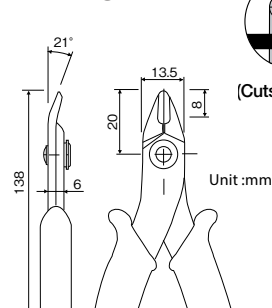


**NOTE:** Use only for cutting copper wire.

MODEL	Max. Cut Dia.	Length
YN-16	ø1.3 mm	135 mm

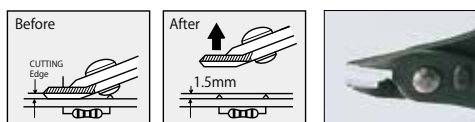
Cuts 1.5 mm from the surface. (Horizontal Type)

## 1.5 mm PLATFORM NIPPERS YN-104



- Cuts wires 1.5 mm from the PCB surface.

**NOTE:** Use only for cutting copper wire.

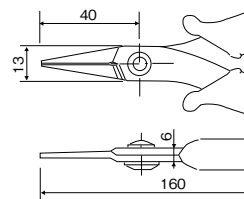


MODEL	Max. Cut Dia.	Length
YN-104	ø1.3 mm	138 mm

Highly accurate with serrated long nose.

## PRECISION PLIERS YP-10

Unit : mm



Tip Shape  
● YP-10



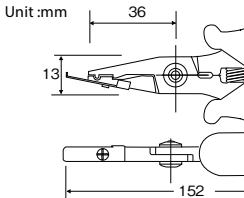
- Highly accurate, like precision tweezers.
- Ideal for hard-to-reach areas.

MODEL	Inner Surface	Length
YP-10	w/ notches	160 mm

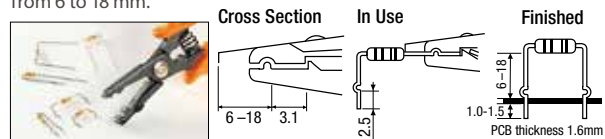
Crimps and cuts.

## CRIMPING PLIERS YP-201

Unit : mm



- Crimps and cuts the component wire in one operation.
- Adjustable from 6 to 18 mm.



**NOTE:** Use only for cutting copper wire. Cutting technique may result in slightly varying lengths.

MODEL	Max. Cut Dia.	Length
YP-201	152 mm	ø1.0 mm



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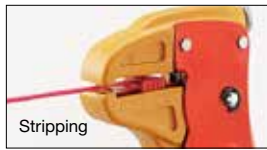
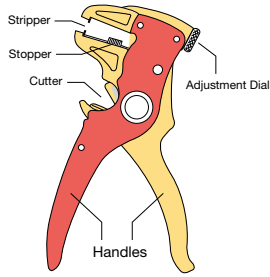
# HAND TOOLS WIRE STRIPPERS

## 2 in 1! Wire stripper and cutter. **RoHS** WIRE STRIPPER YS-1



- Adjustable stopper for consistent lengths from 2 to 20 mm.
- Blade cutting depth can be simply adjusted by the dial to match the thickness of the insulation material.
- Extremely durable Nylon body strengthened by a metal plate and fiber glass.

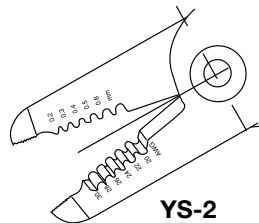
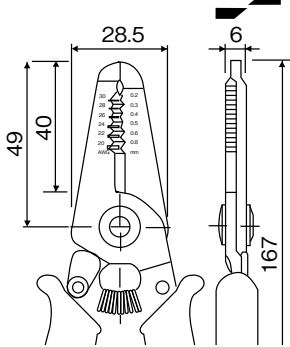
Cannot be used for Teflon, Neoprene, or asbestos wire. Damage to the core wire may result, or it may be torn, depending on the insulation material.



MODEL	Max. strip section	Length
YS-1	0.2–5.5 mm <sup>2</sup>	170 mm

## Three functions: Cutters, Wire stripper, Pliers. **RoHS** PRECISION WIRE STRIPPER YS-2/3

Unit :mm



- Multi-use tool. It can be used as: Cutters, multi-diameter wire stripper, and pliers.
- Lock for handy storing.
- Spring reduces muscle fatigue.

**NOTE:** Use only for cutting copper wire.

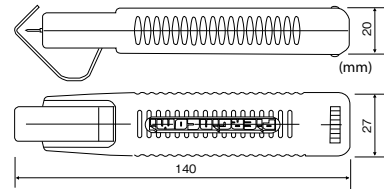
MODEL	Max. Strip Dia.	Length
YS-2	ø0.25, 0.3, 0.4, 0.5, 0.6, 0.8 mm	167 mm
YS-3	ø0.8, 1.0, 1.3, 1.6, 2.0, 2.6 mm	

## Adjustable cutting depth to match the thickness of the cable jacket.

### CABLE STRIPPER **RoHS** YS-100/101

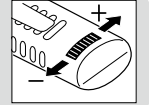


- Cuts cable jacket simply and accurately.
- Adjustable cutting depth to match the thickness of the cable jacket.
- Spare blades stored in the handle.
- Safe design with covered blade.
- The blade moves automatically in the cutting direction.



#### HOW TO ADJUST THE BLADE

Turn the dial to adjust the blade cutting depth to match cable jacket thickness. Excess blade edge damages the core wire.



**NOTE:** Cannot be used with oval-shaped cables.

#### HOW TO USE

- Push up the hook metal.
- Insert the cable. Let the cable push the blade to position "A".
- Clamp the cable by the hook.
- Rotate the cable stripper in the direction of the arrow. When the cable jacket is cut, the stripper turns lightly.
- Pull outward in the direction of the arrow to complete the stripping. (The blade moves automatically in the cutting direction.)

MODEL	Max. Strip Dia.	Length
YS-100	ø4–16 mm	140 mm
YS-101	ø8–28 mm	

#### REPLACEMENT PARTS / OPTIONS

- YS-100 /101 Blade
- YS-100HA

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