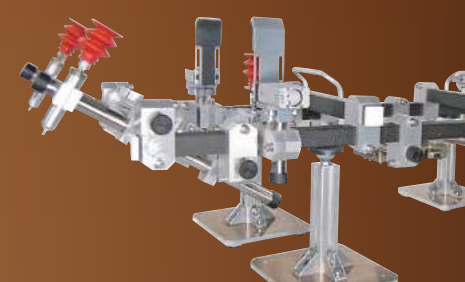
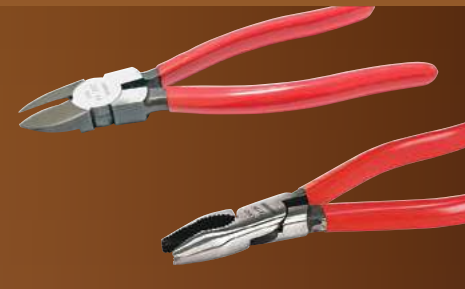


# Assembling Tools



## Tool / Jig ..... 9-2

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### Quick Chuck Change

Quick Chuck Change Manual

Quick Chuck Change Manual (OM Type)

Tool Changer

Automated Hand Exchange System

### Grip

Mini Cylinder

Accessories for Mini Cylinder

Container Cylinders

Accessories for Container Cylinder

Grippers

Rubber Material / Grip Pad

### Suction

Suction Cups

Suction Stems

Pad in Pad

Vacuum Gripper

Air Ejector / Filter / Check Valve

Ultra Small Part Take Out

Vacuum Generator Unit

### Cut

Air Nipper (Small-Medium)

Air Nipper (Large)

### Frame / Module

Jungle Gym

Let's Joint

Rectangular Tube

Base Aluminum Material

Sliding Chuck

### Pneumatic Components / Sensors

Pneumatic Components

Sensors / Multi AND Board

PCIO Communication Unit

### Lightweight Parts Series

Frame / Section / Base Cylinder / Pads / Bush Manifolds

### By Industry

Logistics - Palletizing

Steel Mills - Slitting

Metal Fabrication

### Assembling Tools

Tool / Jig

### Information

Various Products Information



# Tools to Fastening Bolts and Joints

Recommend assembly tools.

## Tools to Fastening Bolts and Joints



**Megadora Standard Screwdriver (+)**

Order code No.	<b>350352</b>
TYPE	<b>900-1-75</b>

- Weight: 85g
- Blade size: No.1 (M2.0 ~ M2.6)



**Megadora Standard Screwdriver (+)**

Order code No.	<b>350353</b>
TYPE	<b>900-2-100</b>

- Weight: 100g
- Blade size: No.2 (M3.0 ~ M5.0)



**Megadora Standard Screwdriver (-)**

Order code No.	<b>350354</b>
TYPE	<b>900-6-100</b>

- Weight: 95g
- Blade size: 6.0
- Blade is almost straight.



**Precision Screwdriver Set**

Order code No.	<b>197170</b>
TYPE	<b>TD-56</b>

- Weight: 175g
- Blade size: (+)0.00/(-)2.3, 1.8, 1.2, 0.9
- Often used in precision equipment, etc. A screwdriver for turning small diameter screws.



**Ceramic adjuster driver**

Order code No.	<b>350355</b>
TYPE	<b>9000-1.8-30</b>

- Weight: 18g
- Blade size: (-)1.8
- Uses a zirconia ceramic chip that is non-inductive and non-magnetic. Ideal for adjusting coils and trimmers.



**Electric screwdriver (adapter bits 5set)**

Order code No.	<b>284778</b>
TYPE	<b>220USB-5</b>

- Weight: 160g
- Bit: ⊕1, ⊕2×2, ⊕3, ⊖6
- Cable, AC adapter for USB charging
- Quick tightening is done using an electric motor, and final tightening is done using a manual screwdriver. Comes with high brightness LED light.



**Electric screwdriver (cable bit 1set)**

Order code No.	<b>284779</b>
TYPE	<b>220USB-1</b>

- Weight: 160g
- Bit: ⊕2
- USB charging cable
- Quick tightening is done using an electric motor, and final tightening is done using a manual screwdriver. Comes with high brightness LED light.



**Electric screwdriver Rigid Hex Bit (5 set)**

Order code No.	<b>061139</b>
TYPE	<b>GS5P-31</b>

- Weight: 70.6g
- Opposite side (mm): 2.5/4.0/5.0/6.0
- Electric screwdriver (220 USB) for hex bit set.



**Flat-shaped Ratchet Screwdriver**

Order code No.	<b>197169</b>
TYPE	<b>TD-76</b>

- Weight: 98g
- High precision ratchet gear with magnet bit
- Magnetized bits make it easy to work in tight spaces.
- Accessories: Bits +1, +2, +2, +3, -4, -6. Hex width across flats 2.5, 3, 4, 5, 6 × 18mm



**Ball Point Wrench (Long Type)9-piece set**

Order code No.	<b>341075</b>
TYPE	<b>8309BP-L</b>

- Weight: 375g
- 9 set(mm) : 1.5/2.0/2.5/3.0/4.0/5.0/6.0/8.0/10.0
- Wrench for hexagon socket head bolts. Diagonal rotation work is feasible for hexagon socket head bolts sized M1.6 to M12.



**Ball Point Wrench (Long Type)H2**

Order code No.	<b>341077</b>
TYPE	<b>8300BP-L H2</b>

- Weight: 3g
- One specification of 8309BP-L (Opposite side 2.0mm)
- Hexagon socket head bolts sized M2.5



**Ball Point Wrench (Long Type)H2.5**

Order code No.	<b>341078</b>
TYPE	<b>8300BP-L H2.5</b>

- Weight: 5g
- One specification of 8309BP-L (Opposite side 2.5mm)
- Hexagon socket head bolts sized M3



**Ball Point Wrench (Long Type)H3**

Order code No.	<b>341079</b>
TYPE	<b>8300BP-L H3</b>

- Weight: 9g
- One specification of 8309BP-L (Opposite side 3.0mm)
- Hexagon socket head bolts sized M4



**Ball Point Wrench (Long Type)H4**

Order code No.	<b>341080</b>
TYPE	<b>8300BP-L H4</b>

- Weight: 18g
- One specification of 8309BP-L (Opposite side 4.0mm)
- Hexagon socket head bolts sized M5



**Ball Point Wrench (Long Type)H5**

Order code No.	<b>341081</b>
TYPE	<b>8300BP-L H5</b>

- Weight: 31g
- One specification of 8309BP-L (Opposite side 5.0mm)
- Hexagon socket head bolts sized M6



**Ball Point Wrench (Long Type)H6**

Order code No.	<b>341082</b>
TYPE	<b>8300BP-L H6</b>

- Weight: 51g
- One specification of 8309BP-L (Opposite side 6.0mm)
- Hexagon socket head bolts sized M8



# Tools to Fastening Bolts and Joints / Pipe Cutting Tool

Preferred item for EOAT assembling

## Tools to Fastening Bolts and Joints



### Ball Point Wrench Stubby (Long Type) 9-piece set

Order code No.	<b>341076</b>
TYPE	<b>8209BP-L</b>

- Weight: 361g
- 9 set(mm) : 1.5/2.0/2.5/3.0/4.0/5.0/6.0/8.0/10.0
- Wrench for hexagon socket head bolts. Diagonal rotation work is feasible for hexagon socket head bolts sized M1.6 to M12.



### Ball Point Wrench Stubby (Short Type) H2.5

Order code No.	<b>341083</b>
TYPE	<b>8200BP-L H2.5</b>

- Weight: 7g
- One specification of 8209BP-L (Opposite side 2.5mm)
- Hexagon socket head bolts sized M3



### Ball Point Wrench Stubby (Short Type) H3.0

Order code No.	<b>341084</b>
TYPE	<b>8200BP-L H3</b>

- Weight: 8g
- One specification of 8209BP-L (Opposite side 3.0mm)
- Hexagon socket head bolts sized M4



### Ball Point Wrench Stubby (Short Type) H4.0

Order code No.	<b>341085</b>
TYPE	<b>8200BP-L H4</b>

- Weight: 16g
- One specification of 8209BP-L (Opposite side 4.0mm)
- Hexagon socket head bolts sized M5



### Ball Point Wrench Stubby (Short Type) H5.0

Order code No.	<b>341086</b>
TYPE	<b>8200BP-L H5</b>

- Weight: 28g
- One specification of 8209BP-L (Opposite side 5.0mm)
- Hexagon socket head bolts sized M6



### SMS Double open end spanner

Order code No.	<b>187038</b>
TYPE	<b>SMS621H</b>

- Weight: 640g
- Set content (mm) : 8\*10/11\*13/12\*14/14\*17/17\*19/22\*24



### SNT thin spanner set

Order code No.	<b>187039</b>
TYPE	<b>SNT-0550</b>

- Weight: 290g
- Set content (mm) : 8\*9/10\*12/11\*13/14\*17/19\*21



### Open spanner set

Order code No.	<b>197171</b>
TYPE	<b>TS-05</b>

- Weight: 66g
- Set content (mm) : 3.2\*5.5/4\*5/6\*7/8\*9/10\*11



### Adjustable wrench 150mm

Order code No.	<b>221303</b>
TYPE	<b>WMA-150</b>

- Weight: 140g
- Convenient scale: 150mm. With graduations for convenient use



### Nut socket driver

Order code No.	<b>030520</b>
TYPE	<b>D-86-4.5</b>

- Weight: 54g
- Opposite side: 4.5mm
- The nut can be easily tightened by simply fitting the nut into the socket at the tip and rotating the handle.



### Nut socket driver

Order code No.	<b>030521</b>
TYPE	<b>D-86-7</b>

- Weight: 63g
- Opposite side: 7mm
- The nut can be easily tightened by simply fitting the nut into the socket at the tip and rotating the handle.

## Pipe Cutting Tool



### SUS Pipe cutter

Order code No.	<b>101206</b>
TYPE	<b>K-203</b>

- Weight: 215g
- It is easy to operate when cutting cylindrical materials such as metal pipes and PVC pipes, and the material can be cut straight.



### Spare blade for pipe cutter

Order code No.	<b>101207</b>
TYPE	<b>K-203-1</b>

- Weight: 3g
- Pipe cutter(K-203) spare blade



### Pipe reamer (For copper tubes and stainless tubes)

Order code No.	<b>197173</b>
TYPE	<b>TSR-2</b>

- Weight: 200g
- Applied pipe outer diameter:  $\phi$  8-35mm
- You can easily remove burrs from the outer and inner surfaces of copper and stainless steel pipes by simply rotating them after cutting.

#### Quick Chuck Change

Quick Chuck Change Manual

Quick Chuck Change Manual (OM Type)

Tool Changer

Automated Hand Exchange System

#### Grip

Mini Cylinder

Accessories for Mini Cylinder

Container Cylinders

Accessories for Container Cylinder

Grippers

Rubber Material / Grip Pad

#### Suction

Suction Cups

Suction Stems

Pad in Pad

Vacuum Gripper

Air Ejector / Filter / Check Valve

Ultra Small Part Take Out

Vacuum Generator Unit

#### Cut

Air Nipper (Small-Medium)

Air Nipper (Large)

#### Frame / Module

Jungle Gym

Let's Joint

Rectangular Tube

Base Aluminum Material

Sliding Chuck

#### Pneumatic Components / Sensors

Pneumatic Components

Sensors / Multi AND Board

PCIO Communication Unit

#### Lightweight Parts Series

Frame / Section / Resin Cylinders / Pads / Resin Manifolds

#### By Industry

Logistics-Palletizing/Sheet Metal-Stamping-Metal Fabrication

#### Assembling Tools

Tool / Jig

#### Information

Various Products Information



# Cutting Tool

Preferred item for EOAT assembling

## Cutting Tool



### Electronic nippers

Order code No.	<b>310706</b>
TYPE	<b>55S-120</b>

- Weight: 85g ● Total length: 122mm
- Cutting capacity: Iron wire  $\phi$  0.8mm, Copper wire :  $\phi$  1.2mm
- Blade type: Thin blade (suitable for cutting thin lines)



### Electronic nippers

Order code No.	<b>310695</b>
TYPE	<b>55S-150</b>

- Weight: 150g ● Total length: 155mm
- Cutting capacity: Iron wire  $\phi$  1.5mm, Copper wire :  $\phi$  2.6mm
- Blade type: Thin blade (suitable for cutting thin lines)



### Diagonal cutting nippers

Order code No.	<b>286129</b>
TYPE	<b>205H-150</b>

- Weight: 225g ● Total length: 168mm
- Cutting capacity: Iron wire  $\phi$  2.0 mm, Copper wire :  $\phi$  2.6 mm
- Blade type: Thick blade (suitable for cutting thick lines)



### Diagonal cutting nippers

Order code No.	<b>286130</b>
TYPE	<b>205H-175</b>

- Weight: 285g ● Total length: 193mm
- Cutting capacity: Iron wire  $\phi$  2.0 mm, Copper wire :  $\phi$  3.0 mm
- Blade type: Thick blade (suitable for cutting thick lines)



### High plastic nippers

Order code No.	<b>271846</b>
TYPE	<b>160S-125</b>

- Weight: 90g ● Total length: 131mm
- Cutting capacity: Soft resin  $\phi$  3.0mm
- Blade type: circular blade (standard blade)



### High plastic nippers

Order code No.	<b>271847</b>
TYPE	<b>160S-150</b>

- Weight: 130g ● Total length: 159mm
- Cutting capacity: Soft resin  $\phi$  5.0mm
- Blade type: circular blade (standard blade)



### High plastic nippers

Order code No.	<b>271848</b>
TYPE	<b>160SF-125</b>

- Weight: 90g ● Total length: 131mm
- Cutting capacity: Soft resin  $\phi$  3.0mm
- Blade type: Flat blade (the entire blade surface fits perfectly on the product)



### High plastic nippers

Order code No.	<b>271849</b>
TYPE	<b>160SF-150</b>

- Weight: 130g ● Total length: 159mm
- Cutting capacity: Soft resin  $\phi$  5.0mm
- Blade type: Flat blade (the entire blade surface fits perfectly on the product)



### Miniature plastic cutting nippers

Order code No.	<b>123885</b>
TYPE	<b>M12-125</b>

- Weight: 85g ● Total length: 129mm
- Cutting capacity: Soft resin  $\phi$  3.0mm
- Blade type: circular blade (standard blade)



### Plastic nippers (carbide tipped)

Order code No.	<b>023445</b>
TYPE	<b>CT160F-150</b>

- Weight: 130g ● Total length: 159mm
- Cutting capacity: Soft resin  $\phi$  5.0mm
- Blade type: Flat blade (the entire blade surface fits perfectly on the product)



### Heavy-duty plastic nippers

Order code No.	<b>350363</b>
TYPE	<b>99-175</b>

- Weight: 260g ● Total length: 188mm
- Cutting capacity: Soft resin  $\phi$  9.0mm
- Blade type: circular blade (standard blade)



### Heavy-duty plastic nippers

Order code No.	<b>350364</b>
TYPE	<b>99-200</b>

- Weight: 340g ● Total length: 216mm
- Cutting capacity: Soft resin  $\phi$  10.0mm
- Blade type: circular blade (standard blade)



### Plastic nippers (Limited edition)

Order code No.	<b>187586</b>
TYPE	<b>SPN130F</b>

- Weight: 110g ● Total length: 130mm
- Cutting capacity: Soft resin  $\phi$  5.0mm
- Blade type: Flat blade (the entire blade surface fits perfectly on the product)



### Compound cutting nippers

Order code No.	<b>221473</b>
TYPE	<b>WA1000F-160</b>

- Weight: 185g ● Total length: 156mm
- Cutting capacity: Soft resin  $\phi$  5.0mm
- Blade shape: circular blade (standard blade)



### End cutting plastic nippers

Order code No.	<b>286133</b>
TYPE	<b>25EF-145</b>

- Weight: 125g ● Total length: 144mm
- Cutting capacity: Soft resin  $\phi$  3.0mm
- Blade type: Kuikiri type



### Tip edge nippers

Order code No.	<b>261888</b>
TYPE	<b>02SP-125</b>

- Weight: 70g ● Total length: 122mm
- Cutting capacity: Soft resin  $\phi$  2.0mm
- Blade type: circular blade (standard blade)



### End cutting plastic nippers

Order code No.	<b>286131</b>
TYPE	<b>24EF-115</b>

- Weight: 75g ● Total length: 119mm
- Cutting capacity: Soft resin  $\phi$  3.0mm
- Blade type: Kuikiri type



### Peeling nippers

Order code No.	<b>387221</b>
TYPE	<b>33S-125</b>

- Weight: 90g ● Total length: 131mm
- Cutting capacity: Iron wire  $\phi$  0.8mm, Copper wire :  $\phi$  1.2mm
- Blade shape: Flat blade (the entire blade surface fits perfectly on the product)  
: Thin blade (suitable for cutting thin lines)



### Peeling nippers

Order code No.	<b>387222</b>
TYPE	<b>33S-150</b>

- Weight: 125g ● Total length: 158mm
- Cutting capacity: Iron wire  $\phi$  1.5mm, Copper wire :  $\phi$  2.6mm
- Blade shape: Flat blade (the entire blade surface fits perfectly on the product)  
: Thin blade (suitable for cutting thin lines)



# Cutting Tool / Cutter / Deburring

Preferred item for EOAT assembling

## Cutting Tool (Heat nippers)



### Heat nippers

Order code No.	<b>073320</b>
TYPE	<b>HT180DX</b>

- Weight: 310g
- Total length: 190mm
- Cutting capacity: Soft resin  $\phi$ 4.0mm
- Blade shape: circular blade (standard blade)
- For small diameter resin/with spring
- Maximum temperature of the blade: 160°C



### Heater

Order code No.	<b>221472</b>
TYPE	<b>W19</b>

- Weight: 19g
- Replacement heater for HT180DX.



### Transformer

Order code No.	<b>197348</b>
TYPE	<b>TRF100D</b>

- Weight: 2,000g
- Input voltage: AC100V (power cord 1.9m)
- Output voltage: AC26V
- Capacity: 32VA
- Temperature measurement method: Thermistor method
- Digital display
- Used for HT180DX heat nipper (with sensor).

## Cutter / Deburring



### Top sheet cutter

Order code No.	<b>286172</b>
TYPE	<b>209B</b>

- Weight: 17.5g
- Ideal for peeling off EP sponge sheet coatings.



### Work finisher (deburbing cutter / large)

Order code No.	<b>221474</b>
TYPE	<b>WF-1540</b>

- Weight: 56g
- Total length: 175mm
- Blade length: 40mm
- Blade material: Ceramic



### Work finisher (deburbing cutter / small)

Order code No.	<b>221475</b>
TYPE	<b>WF-620</b>

- Weight: 20g
- Total length: 133mm
- Blade length: 40mm
- Blade material: Ceramic



### Work finisher (micro finish T set)

Order code No.	<b>123923</b>
TYPE	<b>MFC2140</b>

- Weight: 36g
- Blade material: Ceramic
- Blade tip: T type



### Work finisher blade (micro finish T/2 pcs)

Order code No.	<b>123925</b>
TYPE	<b>MFC2001</b>

- Weight: 13g
- Blade material: Ceramic
- Blade tip: T type



### Work finisher blade (micro finish T/5 pcs)

Order code No.	<b>123927</b>
TYPE	<b>MFC3001</b>

- Weight: 30g
- Blade material: Ceramic
- Blade tip: T type



### Work finisher (micro finish R set)

Order code No.	<b>123924</b>
TYPE	<b>MFC2150</b>

- Weight: 36g
- Blade material: Ceramic
- Blade tip: R type



### Work finisher blade (micro finish R/2 pcs)

Order code No.	<b>123926</b>
TYPE	<b>MFC2002</b>

- Weight: 13g
- Blade material: Ceramic
- Blade tip: R type



### Work finisher blade (micro finish R/5 pcs)

Order code No.	<b>123928</b>
TYPE	<b>MFC3002</b>

- Weight: 30g
- Blade material: Ceramic
- Blade tip: R type

#### Quick Chuck Change

Quick Chuck Change Manual

Quick Chuck Change Manual (OM Type)

Tool Changer

Automated Hand Exchange System

#### Grip

Mini Cylinder

Accessories for Mini Cylinder

Container Cylinders

Accessories for Container Cylinder

Grippers

Rubber Material / Grip Pad

#### Suction

Suction Cups

Suction Stems

Pad in Pad

Vacuum Gripper

Air Ejector / Filter / Check Valve

Ultra Small Part Take Out

Vacuum Generator Unit

#### Cut

Air Nipper (Small-Medium)

Air Nipper (Large)

#### Frame / Module

Jungle Gym

Let's Joint

Rectangular Tube

Base Aluminum Material

Sliding Chuck

#### Pneumatic Components / Sensors

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#### By Industry

Logistics-Palletizing/Sheet Metal-Stamping-Metal Fabrication

#### Assembling Tools

Tool / Jig

#### Information

Various Products Information





# Wiring Tool / Pliers Tool

Preferred item for EOAT assembling

## Wiring Tool



### Wire strippers

Order code No.	<b>384142</b>
TYPE	<b>3000A</b>

- Weight: 350g
- Completely strip the wire quickly with one hand operation.



### Mini wire stripper

Order code No.	<b>211157</b>
TYPE	<b>VST25</b>

- Weight: 295g
- Capable of stripping wires with a core diameter of  $\phi 0.25$  to  $\phi 2.6$ mm without any adjustment.
- Cutting range: copper wire  $\phi 2.6$ mm



### Manual one-hand type crimping tool

Order code No.	<b>002364</b>
TYPE	<b>AK15A</b>

- Weight: 400g
- For copper wire bare crimp terminals/bare crimp sleeves (P.B)



### Switch checker

Order code No.	<b>042058</b>
TYPE	<b>E39-VA</b>

- Weight: 20g
- Power supply voltage: DC18V (2 9V dry batteries)
- Handy power supply with built-in battery. (Sensor dedicated power supply)
- Operation of various sensors can be confirmed by buzzer sound and LED
- With battery low detection function



### Ceramic heater soldering iron

Order code No.	<b>054350</b>
TYPE	<b>FX600-02</b>

- Weight: 61g
- Perfect for soldering electronic parts.
- Adjustable from 200 to 500°C
- Built-in temperature controller in the grip. You can easily set the temperature by simply turning the dial.



### Soldering Station (with sponge)

Order code No.	<b>054351</b>
TYPE	<b>FH300-81</b>

- Weight: 502g
- Base size(mm):  $\phi 85 * D140$



### Lead free solder

Order code No.	<b>073361</b>
TYPE	<b>HS-304</b>

- Weight: 100g
- Solder: linear 1mm



### Hot glue gun

Order code No.	<b>072955</b>
TYPE	<b>HB-80</b>

- Weight: 220g
- Optimum for assembly work such as electronic parts holding.



### Hot glue

Order code No.	<b>072956</b>
TYPE	<b>HB-100S</b>

- Weight: 100g
- Hot glue (HB-80) exclusive



### Aluminum alloy vise

Order code No.	<b>197174</b>
TYPE	<b>TAB-70</b>

- Weight: 1,098g
- size(mm) : 188 × 158 × 155. Mouth width: 70mm, Mouth opening: 60mm

## Pliers Tool



### Long nose side cutting pliers

Order code No.	<b>271844</b>
TYPE	<b>105-150</b>

- Weight: 140g
- Cutting capacity: Iron wire  $\phi 1.5$  mm, Copper wire : 2.6 mm
- Total length: 163mm



### Long nose side cutting pliers

Order code No.	<b>271845</b>
TYPE	<b>105-175</b>

- Weight: 185g
- Cutting capacity: Iron wire  $\phi 2.0$  mm, Copper wire : 3.0 mm
- Total length: 191mm



### Duck bill pliers

Order code No.	<b>286132</b>
TYPE	<b>2500-200</b>

- Weight: 205g
- Tip shape: Height 7.0mm\* Width 5.0mm : Jagged cross eyes
- Total length: 200mm



### Screw pliers

Order code No.	<b>250266</b>
TYPE	<b>ZA185</b>

- Weight: 280g
- Total length: 195mm
- Application: Suitable for removing crushed and rusted screws.



# Tube / Duct Cutting Tool / Measuring Tool

Preferred item for EOAT assembling

## Tube / Duct Cutting Tool



### Tube cutters

Order code No.	<b>190508</b>
TYPE	<b>TK-1</b>

- Weight: 154g
- Applicable tube material: soft plastic tube, nylon, polyurethane, etc.)
- Applicable tube outer diameter: 13mm or less



### Merry cutters

Order code No.	<b>187587</b>
TYPE	<b>SX10-210</b>

- Weight: 380g
- Tip blade opening: 39mm
- Blade length: 65mm
- Straight cut.
- Suitable for cutting all kinds of soft materials.



### Merry cutters

Order code No.	<b>187589</b>
TYPE	<b>SX5-195</b>

- Weight: 170g
- Tip blade opening: 24mm
- Blade length: 53mm
- Straight cut.
- Suitable for cutting all kinds of soft materials.



### Tube cutters

Order code No.	<b>023446</b>
TYPE	<b>CX5</b>

- Weight: 170g
- Tip blade opening: 22mm
- Blade length: 53mm
- A cutter specialized for cutting hoses.



### Duct cutters

Order code No.	<b>187588</b>
TYPE	<b>SX15-210</b>

- Weight: 395g
- Tip blade opening: 37mm
- Blade length: 65mm
- For cutting communication moldings and cutting ducts.



### Moulding cutters

Order code No.	<b>030530</b>
TYPE	<b>DX80-255</b>

- Weight: 470g
- Tip blade opening: 85mm
- Blade length: 92mm
- Can cut wiring ducts up to 80mm wide.



### Duct plastic nippers

Order code No.	<b>030528</b>
TYPE	<b>DK65-250</b>

- Weight: 505g
- Total length: 260mm
- Blade shape: Circular blade (standard blade)/ Resin-specific blade
- Length 65.0mm, thickness 21.5mm
- Can cut wiring ducts up to 80mm wide.
- Easy to open the duct.
- Can also be used to cut gates in deep areas of resin molded products.



### Duct cutters (Fixed appliance)

Order code No.	<b>197347</b>
TYPE	<b>TDC100</b>

- Weight: 8,400g
- Tip blade opening: 25mm
- Blade length: 110mm
- Can cut wiring ducts up to 100mm wide.



### DIN rail round nippers

Order code No.	<b>030529</b>
TYPE	<b>DRN4</b>

- Weight: 350g
- Total length: 200mm
- For finishing corners of DIN rails.
- Aluminum DIN rails can have their corner radius processed smoothly.



### Ratchet style tube cutter

Order code No.	<b>197172</b>
TYPE	<b>TTCR-322T</b>

- Weight: 270g
- Coping with copper, aluminum, brass, PVC pipe. Because of the automatic transport function, it will make clean cut surface.
- Stainless steel pipes cannot be cut.
- Replacement blade for Ratchet style tube cutter



### Replacement blade for Ratchet style tube cutter

Order code No.	<b>061138</b>
TYPE	<b>GFC-15NT</b>

- Weight: 3g
- The replacement blade for tube cutter (TTCR-322T) only.
- Stainless steel pipes cannot be cut.

## Measuring Tool



### Straight Scale (150mm)

Order code No.	<b>271792</b>
TYPE	<b>13005</b>

- Weight: 10g
- First class JIS specification (Non Calibration update)
- Shinwa make



### Straight Scale (300mm)

Order code No.	<b>271793</b>
TYPE	<b>13013</b>

- Weight: 65g
- First class JIS specification (Non Calibration update)
- Shinwa make



### Tough gear HG (Major 5.5m)

Order code No.	<b>341087</b>
TYPE	<b>80821</b>

- Weight: 329g
- First class JIS specification (Non Calibration update)
- Origin 0 point correction slide hook equipped (Shinwa)
- Protect the body with shock absorption protector.

### Quick Chuck Change

Quick Chuck Change Manual

Quick Chuck Change Manual (OM Type)

Tool Changer

Automated Hand Exchange System

### Grip

Mini Cylinder

Accessories for Mini Cylinder

Container Cylinders

Accessories for Container Cylinder

Grippers

Rubber Material / Grip Pad

### Suction

Suction Cups

Suction Stems

Pad in Pad

Vacuum Gripper

Air Ejector / Filter / Check Valve

Ultra Small Part Take Out

Vacuum Generator Unit

### Cut

Air Nipper (Small-Medium)

Air Nipper (Large)

### Frame / Module

Jungle Gym

Let's Joint

Rectangular Tube

Base Aluminum Material

Sliding Chuck

### Pneumatic Components / Sensors

Pneumatic Components

Sensors / Multi AND Board

PCIO Communication Unit

### Lightweight Parts Series

Frame / Section / Resin Cylinders / Pads / Resin Manifolds

### By Industry

Logistics-Palletizing/Sheet Metal-Stamping-Metal Fabrication

### Assembling Tools

Tool / Jig

### Information

Various Products Information



# Adhesives / Adjustment Tool / Jig / Static Solutions Parts

Preferred item for EOAT assembling

## Adhesives



### Adhesive (Sponge Pads)

Order code No.	<b>371759</b>
TYPE	<b>Adhesive Q 50G Clear #4888</b>

- NET: 50ml
- Silicon bond
- Please use it to bond silicone pads and sponges.



### Adhesive Cemedine 20ML

Order code No.	<b>371765</b>
TYPE	<b>AX-038 (Super X • 20TM)</b>

- NET: 20ml
- Please use it for adhering rubber plates.



### Adhesive Cemedine 135ML

Order code No.	<b>002481</b>
TYPE	<b>AX-250 (Super X 8008 • 135ML)</b>

- NET: 135ml
- If you need a Material Safety Data Sheet (SDS), please purchase it.
- Please use it for adhering rubber plates.

## Adjusting Tool



### Combination hammer

Order code No.	<b>200263</b>
TYPE	<b>UD7-10</b>

- Weight: 730g
- Combination hammer is made of two kinds of materials, steel and resin.

## Jig



### Mounting pitch fixing plate

Order code No.	<b>042060</b>
TYPE	<b>EINS JIG TYPE J-01</b>

- Weight: 140g
- Mounting pitch(20×50mm) easy to adjust position
- Hand mounting pitch can be adjusted easily.



### EOAT assembly stand

Order code No.	<b>042059</b>
TYPE	<b>EINS JIG TYPE C-01</b>

- Weight: 1100g
- Adjustable within 40mm up and down
- The stand is convenient for wiring and piping adjustment work in assembly process.

## Static Solutions Parts



### Ionizing Fan

Order code No.	<b>054363</b>
TYPE	<b>F-120R</b>

- Weight: 900g
- Ion generation method: Piezoelectric high frequency AC corona discharge type
- Static neutralization time: 1.5 seconds or less
- Ion balance: within ±10V
- Individual packaging size: 295 x 225 x 115



### Cross-Flow Ionizing Fan

Order code No.	<b>023455</b>
TYPE	<b>CF-600</b>

- Weight: 4600g
- Thin and wide static electricity removal fan.
- Ion generation method: AC (20kHz) corona discharge type
- Static neutralization time: 1.5 seconds or less
- Ion balance: within ±10V
- Individual packaging size: 645×290×230



### Pneu-Power Ion Gun

Order code No.	<b>061261</b>
TYPE	<b>G-9</b>

- Weight: 470g
- A handy static electricity removal power tool.
- Static electricity can be removed using only compressed air.
- Ion generation method: AC high frequency corona discharge type
- Static neutralization time: 1 second or less
- Ion balance: ±30V
- Individual packaging size: 294×250×63



### Electrostatic Field Meter

Order code No.	<b>042120</b>
TYPE	<b>Eye-02</b>

- Weight: 200g
- Unseen static electricity can be measured using this useful tool.
- Ion balance: 0 ~ ±200V
- Individual packaging size: 195 x 115 x 80
- Power supply: 9V battery (006P type)
- Measurement range: Charged potential ±0 to ±1.50kV (LO range), ±1.0 to ±22.0kV (HI range)
- Measurement distance: 25mm ± 0.5mm (between main body and charged object)