




# EXSO

EXcellent SOlution

EXSO Catalogue Vol. 12.2



## Greetings



**Our customers are the highest, the biggest, the most important, and the most honorable.**

EXSO was established in February 1978 as the first specialized soldering iron and PCB-related equipment manufacturer in Korea.

EXSO's products are exported to more than 30 countries around the world in addition to the domestic market, are recognized for excellent quality as a

world-class brand and building the reputation through manufacturing various products such as soldering irons and electronic tools through continuous technology development and the international certifications and exporting.

All of our products from general commercial soldering irons to PCB-related equipment and peripherals are manufactured through the strict quality control and can be used with trust.

We are handling inquiries and inconveniences about our products promptly through our A/S processing system.

EXSO promises to produce the best quality products through the incessant innovations and new product development from 1978 to date, to contribute development of the domestic and global electric and electronic industries and to make best efforts for customer satisfaction with a goal of becoming the best specialized electric and electronic device company.

We would appreciate your continuous support and encouragement and wish the health and good luck to you and your family.

CEO/Chairman **Hyeung Sae Moon**



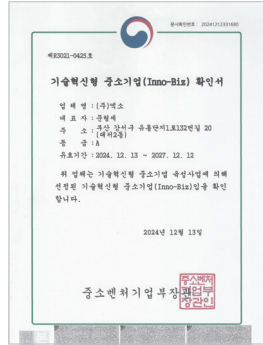
## History

- 2025** ○ **Jun.** Re-designated as Venture company (Venture registration institute, No.2025061802006)
- 2024** ○ **Dec.** Re-designated as INNO-BIZ company (Ministry of SMEs and Startups, No.R3021-0425)  
**Apr.** ISO 9001 Re-acquired (Korea Standard Association, QMS-4580)
- 2023** ○ **Dec.** Commendation from minister (Ministry of SMEs and Startups, No.15283)
- 2019** ○ **Jul.** KS C IEC 60335-2-45 acquired (Korea Standard Association, No.7082)
- 2018** ○ **Jul.** Awarded Red Dot as Wireless Soldering Iron
- 2012** ○ **Jan.** Construction and relocation of new headquarter (Gangseo-Gu, land: 3,020m<sup>2</sup>, floor space 3,630m<sup>2</sup>)
- 2001** ○ **Nov.** Designated as R & D Center (Korea Industrial Technology Association, No.20012943)
- 1997** ○ **Jan.** The Changing of company name (Exso) and Conversion to a Corporation
- 1989** ○ **Aug.** The first KS authorization acquired (Korea Standard Association)
- 1978** ○ **Feb.** Establishment of Jinyang Electric Industry Company (Founder, Hyeung Se Moon)

## Certifications



Certification of KS C IEC  
60335-2-45  
Certification: 7082



Certification of Technology-  
Innovative Small and Medium  
Enterprise



Certification of  
R & D Center



Certification of Venture  
Company



Excellent design for  
Soldering station  
LedSol 300



CE Certification for  
Soldering station  
LedSol 300



Certification of red dot



Patent for 4-axis  
Soldering robot  
No. 10-1877444

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# Automatic Soldering Robot

## 4-Axis Soldering Robot | AutoRo-7634



Touch type PC



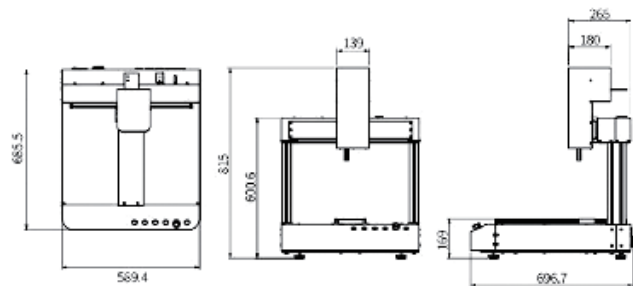
High Freq. Induction Heating Iron Station



Soldering Iron Head unit



Solder Wire Feeder



- Adopted desktop robot based on 4-axis
- Excellent effect on investment with reasonable price
- Prompt after service is possible (Made in Korea)
- Easy to make new process using touch type PC
- Adopted air-cleaning for tip
- Adopted window program
- Adopted defect management report creation function so it is possible to manage production volume and defect rate

Model No.	AutoRo-7634	
Rated Voltage	220~240V AC, 50/60Hz	
Operation Mode	Manual (Positions, Speed, Coordinates, Control commands)	
	Auto (Program mode)	
Max Step of Program	1,000 Step (300 Kb size)	
Scope of Work	X, Y Axis	400mm
	Z Axis	100mm
	R Axis	±180°
Max Moving Load	X, Y, Z Axis	3 kg
	R Axis	10 kg
Max Speed	X, Y Axis	500mm/s
	Z Axis	300mm/s
	R Axis	360°/s
Repeat Accuracy	X, Y, Z Axis	±0.02mm
	Y Axis	±0.02°
Drive Way	5 Phase stepping motor driving (Feeder: 2 Phase stepping motor driving)	
Communication Interface	RS 232-1 Ch	
Weight	Approx. 60 kg	

Model No.	AutoRo-200	
Model Name	High-frequency Induction Iron Station	
Power Consumption	200W	
Rated Voltage	220V AC, 60Hz	
Output Voltage	AC 36V, 380KHZ	
Temperature Control Range	50~600°C	
Size	110 x 200 x 200mm	
Weight	Approx. 4.8 kg	
Earthing Resistance	<20Ω	
Leakage Rated Voltage	<2mV	



# Soldering Iron

## Digital Temp-controlled Iron | LedSol 300-2 / LedSol 300-1



LCD Display



LedSol 300-2

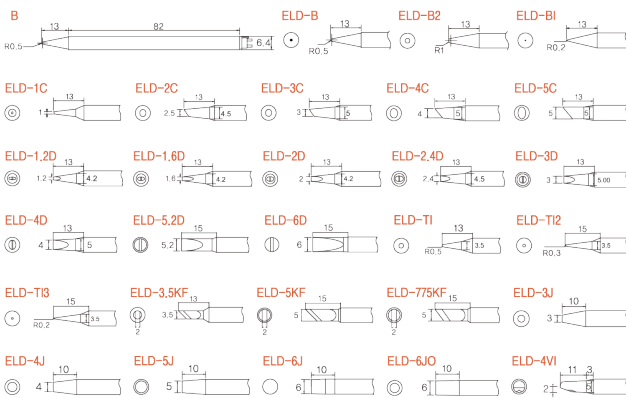


[Stand] ST-120B



[Iron] LedSol-30

### ELD TIP



- The Heater & the sensor are integrated in the tip(Patent no.0037616)
- Excellent Thermal Recovery Performance using PID control
- LCD with Backlight is employed for better visuals
- Soldering Iron of Quick-type is employed for convenient tip change
- Setting Temperature is protected by your password
- Working time is displayed (1ch)
- Auto Sleep Mode / Auto Power-of

Model No.	LedSol 300-1	LedSol 300-2
Rated Voltage		AC 220V, 60Hz
Output Voltage	AC 24V, 75W	AC 24V, 75W x 2
Power Consumption	80W	160W
Temperature Control Range	100-500°C (212-932°F)	100-500°C (212-932°F)
Weight	2.37Kg	2.77Kg
Size		108.5(W) x 132(H) x 126.5(D)mm

Digital Temp.  
-Controlled Iron

## LedSol-290



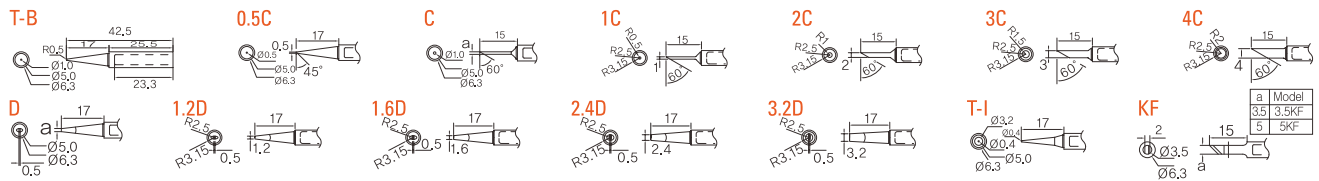
Analog Temp.  
-Controlled Iron

## LedSol-280



Model No.	LedSol-290	LedSol-280
Rated Voltage		AC 220V, 60/50Hz
Output Voltage		AC 32V
Power Consumption		70W (Station 5W + Iron 65W)
Heater		Ceramic
Weight(with cord)		1.4kg
Size		108.5(W) x 132(H) x 126.5(D)mm

### 900M TIP



Analog Temp.  
-Controlled Iron

## LedSol-270



Digital Temp.  
-Controlled Iron

## LedSol-200



Model No.	LedSol-270	LedSol-200
Rated Voltage		AC 220V, 60/50Hz
Output Voltage	AC 32V	AC 24V
Power Consumption	60W	80W
Heater	Ceramic	Ni-Cr
Weight	1.26kg	2.3kg
Size	105(W) x 90(H) x 135(D)mm	108.5(W) x 132(H) x 1126.5(D)mm

# Soldering Iron

## Analog Temp.-Controller | MTC-1000 / 2000



Model No.	MTC-1000	MTC-2000
Rated Voltage	AC 110V, 50/60Hz	AC 220V, 50/60Hz
Range		0~200W (3A)
Control Range		10~100%
Size		Approx. 130 x 100 x 60mm
Weight (excluding the cord)		Approx. 500g

## Digital Temp.-Controlled Iron | EF-2050D

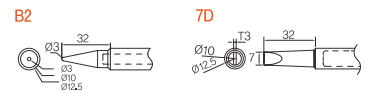


Model No.	EF-2050D
Rated Voltage	AC 220V 60/50Hz
Power Consumption	60W
Temperature Range	80~480°C (176~896 °F)
Heater	Sensor Internal Ceramic Heater
Size	220mm
Weight (excluding the cord)	Approx. 80g

## High-Temp. Ceramic Iron | JY-20150



### 20150 TIP



Model No.	JY-20150
Rated Voltage	AC 220V, 60Hz
Power Consumption	150W
Tip Temperature	700~800°C (176~896 °F)
Insulation Resistance	100MΩ
Size	245mm
Weight (excluding the cord)	Approx. 150g

## High-Temp Ceramic Iron | JY-2068



Model No.	JY-2068
Rated Voltage	AC 220V, 60Hz
Power Consumption	68W
Tip Temperature	700°C
Insulation Resistance	100MΩ
Size	220mm
Weight (excluding the cord)	Approx. 120g

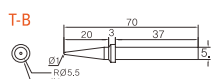
## Gun-type Trubo Iron | JYP-20860



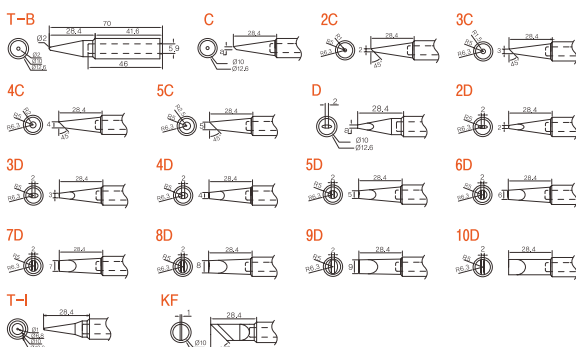
· Power consumption:  
30W/60W (Turbo)

Model No.	JYP-20860
Rated Voltage	AC 220V, 60Hz
Power Consumption	30W/60W
Tip Temperature	400~650°C
Insulation Resistance	100MΩ
Size	180mm
Weight (excluding the cord)	Approx. 90g

### 730 TIP



### ESS TIP



# Turbo Ceramic Iron

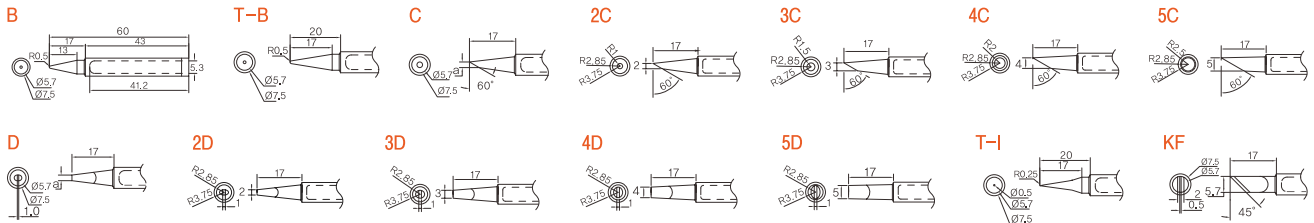
# EX-90BN / EX-90A / GH-60AN / GH-60BN



Model No.	EX-90BN	EX-90A	GH-60AN	GH-60BN
Rated Voltage	AC 220V, 60Hz	AC 110/220V (220V), 60Hz	AC 110/220V, 60Hz	AC 220V, 60Hz
Power Consumption	20/120W			
Tip Temperature	370~700°C			
Insulation Resistance	100MΩ			
Size	215mm	210mm	195mm	195mm
Weight (excluding the cord)	Approx. 60g	Approx. 60g	Approx. 100g	Approx. 100g

- Ergonomic design for handle
- Has turbo function (Max: 130W, Stable: 80W)
- High quality tips with special coating

## 980 TIP



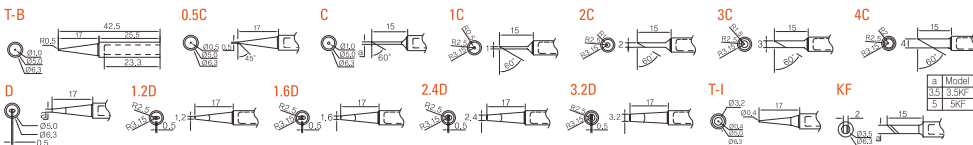
# Ceramic Iron

# EHT-2040 / EHT-2030 / EMT-2025 / ELT-2018 / ELT-2015

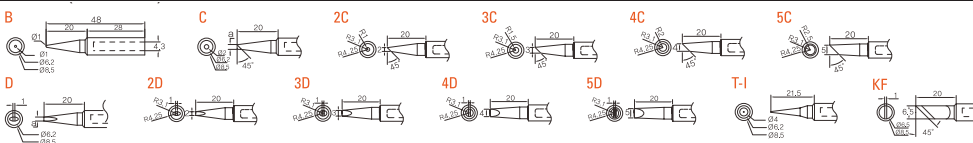


Model No.	EHT-2040	EHT-2030	EMT-2025	ELT-2018	ELT-2015
Rated Voltage	AC 220V, 60Hz				
Power Consumption	40W	30W	25W	18W	15W
Tip Temperature	500°C	470°C	450°C	400°C	370°C
Insulation Resistance	100MΩ				
Size	205mm	210mm	195mm	205mm	215mm
Weight (excluding the cord)	Approx. 60g	Approx. 60g	Approx. 50g	Approx. 50g	Approx. 50g

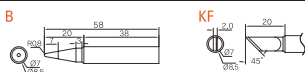
## 900M TIP (ELT-2015 / ELT-2018)



## 454 TIP (EMT-2025)



## 455 TIP (EHT-2030 / EHT-2040)



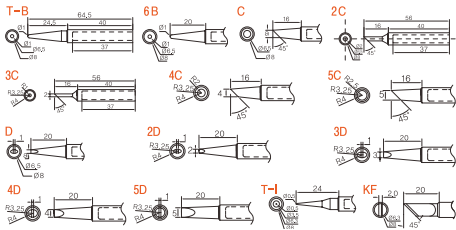
# Soldering Iron

## Ceramic Iron | JY-2000 / JY-2100 / JY-2200

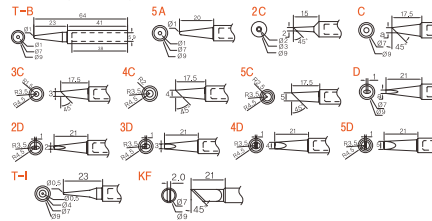


Model No.	JY-2000	JY-2100	JY-2200
Rated Voltage	AC 220V, 60Hz		
Power Consumption	18W	25W	40W
Tip Temperature	380°C	420°C	450°C
Insulation Resistance	100MΩ		
Size	195mm	195mm	215mm
Weight (excluding the cord)	Approx. 60g	Approx. 60g	Approx. 90g

### SX TIP (JY-2000 / JY-2100)



### SY TIP (JY-2200)

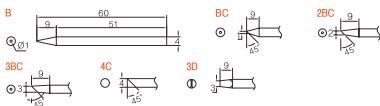


## Beginner Iron | JY-20330 / JY-20340

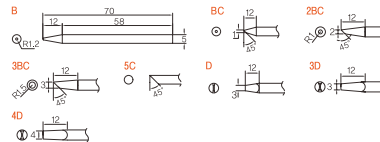


Model No.	JY-20330	JY-20340
Rated Voltage	AC 220V, 60Hz	
Power Consumption	30W	40W
Tip Temperature	380°C	420°C
Insulation Resistance	100MΩ	
Size	190mm	200mm
Weight (excluding the cord)	Approx. 40g	Approx. 50g

### 4øB TIP (JY-20330)



### 5øB TIP (JY-20340)



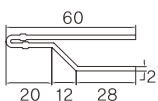
## Induced Heating Iron | JY-21007



Model No.	JY-21007
Rated Voltage	AC 220V, 60Hz
Power Consumption	90/70W
Tip Temperature	410°C
Insulation Resistance	70MΩ
Size	220mm
Weight (excluding the cord)	Approx. 760g

- Start work within 6-8seconds
- Adopted LED light

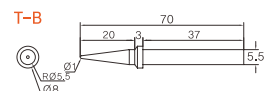
### JY-007 TIP



## Beginner Iron | JY-20730 / JY-20740



### 730 TIP



· JY-20730

· JY-20740

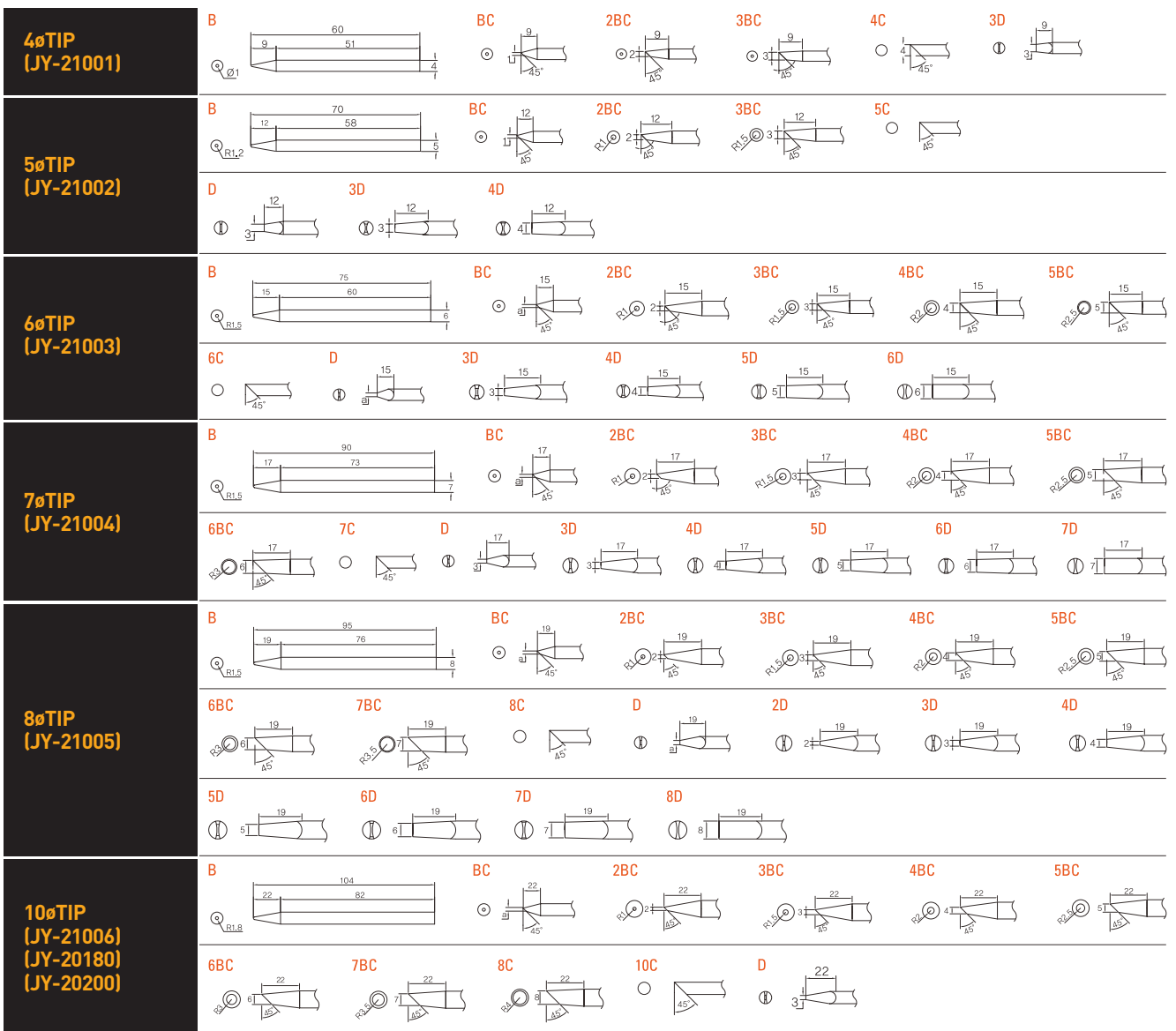
Model No.	JY-20730	JY-20740
Rated Voltage	AC 220V, 60Hz	
Power Consumption	30W	40W
Tip Temperature	380°C	420°C
Insulation Resistance	100MΩ	
Size	205mm	
Weight (excluding the cord)	Approx. 70g	

General Purpose  
Wood Handle Iron

**JY-21001 / JY-21002 / JY-21003 / JY-21004 / JY-21005 / JY-21006 /  
JY-20180 / JY-20200**



Model No.	JY-21001	JY-21002	JY-21003	JY-21004	JY-21005	JY-21006	JY-20180	JY-20200
Rated Voltage	AC 220V, 60Hz							
Power Consumption	30W	40W	60W	80W	100W	150W	180W	200W
Tip Temperature	380°C	450°C	500°C	500°C	550°C	600°C	600°C	650°C
Insulation Resistance	70MΩ							
Size	205mm	230mm	235mm	280mm	290mm	300mm	300mm	300mm
Weight (excluding the cord)	Approx. 55g	Approx. 70g	Approx. 80g	Approx. 120g	Approx. 135g	Approx. 175g	Approx. 180g	Approx. 180g

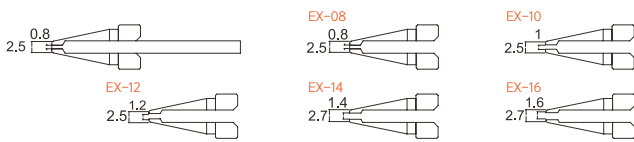


# Soldering Iron

## De-Soldering Station | LedSol-350N / LedSol-70



### 350 NOZZLE



· [Spring Filter]  
EX-7198/LedSol-350



· [Filter]  
EX-7198/LedSol-350

<b>Model No.</b>	<b>LedSol 350N</b>
<b>Input Rated Voltage</b>	AC 220V, 60Hz
<b>Heater Output</b>	AC 24V, 75W
<b>Power Consumption</b>	160W
<b>Suction Power</b>	700mmHG
<b>Temp-controlled Range</b>	100-500°C
<b>Weight</b>	Approx. 2.3kg
<b>Size</b>	108.5(W) x 132(H) x 126.5(D)mm

- Easy one touch type gun for removing grounds
- Applied 160W trans, PID controll
- LCD with backlight
- Applied High absorptive power (over 700mmHG)

## Gun Type De-soldering Iron | EX-7199



- Temp-controlled

<b>Pump Way</b>	Double pump (Double-piston type)
<b>Vacuum Type</b>	Separate type
<b>Max Suction Power</b>	650mmHg
<b>Rated Voltage</b>	AC 220V, 60/50Hz
<b>Motor Output</b>	≤20W
<b>Heater</b>	80W (Ceramic heater)
<b>Resistance</b>	More than 100MΩ
<b>Temperature Range</b>	380°C~480°C
<b>Basic Tip</b>	Standard φ1.0
<b>Cord Length</b>	1.8m

### EX-7199 NOZZLE 7199-1.0Ø / 7199-1.5Ø / 7199-2.0 Ø



· 7199-1.0Ø



· 7199-1.5Ø



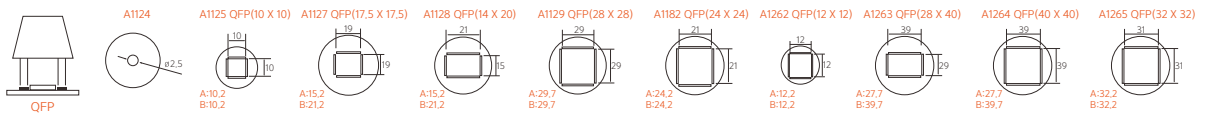
· 7199-2.0Ø

# Re-Work Station | LedSol-930SN Set

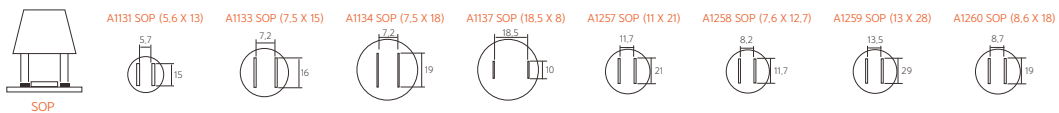


- Safety ESD system
- Adopted heater protection function
- Possible to control air shoot volume

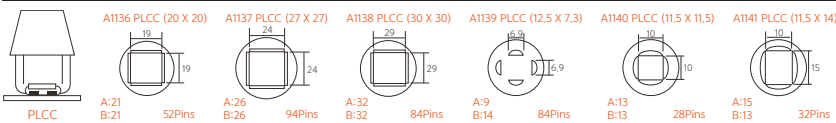
## QFP NOZZLE



## SOP NOZZLE



## PLCC NOZZLE



Station	
Rated Voltage	AC 220V, 60Hz
Power Consumption	20W (Power Off: 2W)
Pump Way	Diaphragm Pump
Pump Capacity	23L/min. (Max)
Size	187(W) × 135(H) × 245(D)mm
Weight	Approx. 2.7kg

Hot-air	
Rated Voltage	AC 220V, 60Hz
Power Consumption	250W
Temperature Range	100~500°C
Size	Approx. 185mm
Weight	Approx. 1.6kg

Soldering Iron	
Rated Voltage	AC 24V, 60Hz
Power Consumption	75W
Tip to Ground Voltage	< 2mV
Tip to Ground Resistance	< 2Ω
Total Length (w/o cord)	Approx. 165mm
Weight (w/o cord)	Approx. 80g

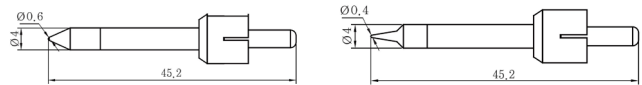
# Soldering Iron

## Gun-type Wireless Iron | EX-376G



<b>Model No.</b>	<b>EX-376G</b>
<b>Power Consumption</b>	6W
<b>Adapter</b>	DC 5V / 750mA
<b>Charging Time</b>	Approx. 4 hours (in full charging)
<b>Battery</b>	3.7V 2,600mAh Li-ion Battery
<b>Tip Temperature</b>	Maximum 420°C
<b>Usable Time</b>	Approx. 2 hours (continuous use)

### EX-376G Tips



**· 376-B**

**· 376-TI**

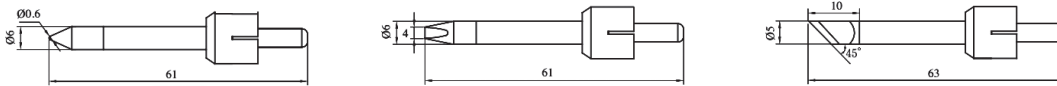
※ Basic Mounting Tips

## Straight-type Wireless Iron | EX-376N



<b>Model No.</b>	<b>EX-376N</b>
<b>Power Consumption</b>	12W
<b>Tip Temperature</b>	Maximum 400°C
<b>Adapter</b>	DC 5V
<b>Charging Time</b>	Approx. 2 hours
<b>Usable Time</b>	Approx. 1 hours

### EX-376N Public Tips



**· 376N-B**

**· 376N-D**

**· 376N-KF**

※ Basic Mounting Tips

# Gas Iron | GAI-28A / GAI-18 / GAI-14 / GAI-06



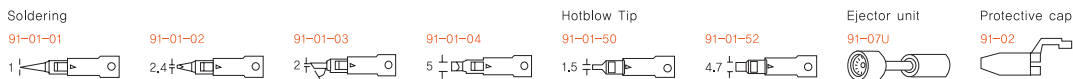
- Rechargeable and portable gas iron
- Convenience to underpass electrical construction without electric pass
- Work applicable within 30 seconds as instant ignition using gas catalyst method
- Power consumption: approximately 15W~60W
- 1 time gas charging: max. 1 hour soldering work
- Repair manual soldering work, shrinkable tube

Model No.	GAI-28A	GAI-18
Temperature Range	200~650°C	250~500°C
Capacity	28cc	18cc
Usable Time	Approx. 2hr	Approx. 1hr 30min
Size	260mm	210mm
Weight	Approx. 100g	Approx. 80g

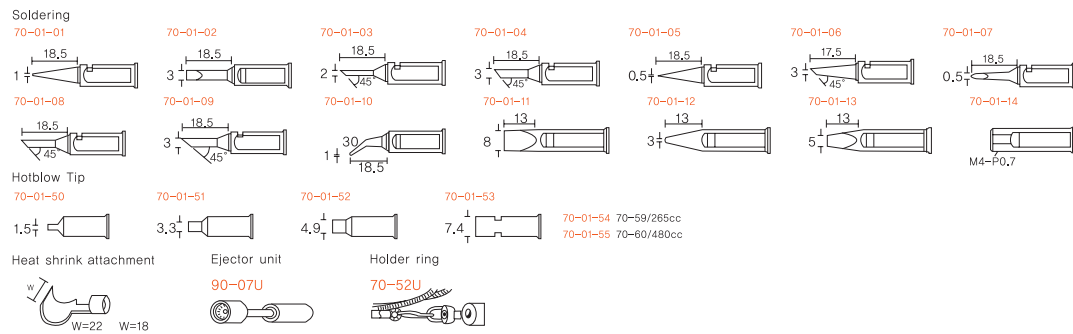
  

Model No.	GAI-14	GAI-06
Temperature Range	200~550°C	200~450°C
Capacity	14cc	6cc
Usable Time	Approx. 1hr 15min	Approx. 20min
Size	210mm	165mm
Weight	Approx. 66g	Approx. 53g

## GAI-14 Replacement tip



## GAI-28A Replacement tip



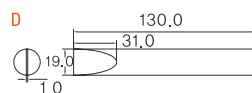
# High-temp Iron | JY-21200N / JY-22200N / JY-21300N / JY-22300N / JY-21500N / JY-22500N



Straight type: JY-21200N / JY-21300N / JY-21500N  
 Gun type: JY-22200N / JY-22300N / JY-22500N

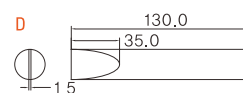
### 200D TIP (19Ø)

(JY-21200N / JY-22200N)



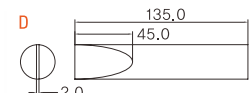
### 300D TIP (22Ø)

(JY-21300N / JY-22300N / JY-21500N)



### 500D TIP (27Ø)

(JY-22500N)



Model No.	JY-21200N	JY-22200N	JY-21300N	JY-22300N	JY-21500N	JY-22500N
Rated Voltage	AC 220V, 60Hz					
Power Consumption	200W	200W	300W	300W	500W	500W
Tip Temperature	600°C	600°C	700°C	700°C	800°C	800°C
Insulation Resistance	100MΩ					
Size	380mm	280mm	380mm	280mm	380mm	290mm
Weight (excluding the cord)	Approx. 680g	Approx. 670g	Approx. 800g	Approx. 780g	Approx. 890g	Approx. 1,155g

# Soldering Iron

## Auto Solder Feeder Station | EX-937N



- Foot pedal and handle switch can be used Need to buy iron separately (not included iron)
- Available EXSO irons  
ELT-2015 / ELT-2018  
LedSol-280 / LedSol-290  
TC-50 / EHF-4100N

<b>Model No.</b>	<b>EX-937N</b>
<b>Rated Voltage</b>	AC 220V, 60Hz
<b>Power Consumption</b>	5W
<b>Motor Specification</b>	DC 24V, 3.2W
<b>Solder Wire Diameter (mm)</b>	0.6 / 0.65 / 0.8 / 1.0 / 1.2 / 1.6
<b>Solder Wire Output Time</b>	0-7 seconds
<b>Solder Wire Output Speed</b>	4.5mm-26mm
<b>Solder Wire Output Capacity</b>	0-182mm
<b>Size</b>	107 x 110 x 215
<b>Weight</b>	Approx. 1.5kg

## Instant-heat Cutting Knife | EXV-2470



<b>Model No.</b>	<b>EXV-2470</b>
<b>Rated Voltage</b>	AC 220V, 60Hz
<b>Power Consumption</b>	120W
<b>Max Temperature</b>	900°C ±10%
<b>Weight</b>	Approx. 450g
<b>Cord length</b>	0.3m
<b>Size</b>	290mm

## Solder Feeder Soldering Iron | EX-586G



<b>Model No.</b>	<b>EX-586G</b>
<b>Rated Voltage</b>	AC 220V, 60Hz
<b>Power Consumption</b>	60W
<b>Temperature Range</b>	400°C
<b>Size</b>	200 x 150mm
<b>Pre-heating Time</b>	3-5 min.
<b>Weight</b>	Approx. 180g
<b>Nozzle Size</b>	2.0mm
<b>Serviceable Wire Thickness</b>	0.8-1.2mm
<b>Serviceable Tip</b>	60FB
<b>Cord Length</b>	2.5m

Multi-  
purpose Iron

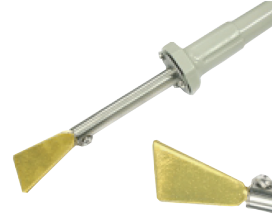
**EXV-2400S**



<b>Model No.</b>	<b>EXV-2400S</b>
<b>Rated Voltage</b>	AC 220, 60Hz
<b>Power Consumption</b>	100/200W
<b>Size</b>	360mm
<b>Weight</b>	Approx. 440g
<b>Cord Length</b>	2.5m
<b>Blade Size</b>	50 x 30mm / 100 x 30mm

Floor  
Repairing Iron

**EXV-2025**



<b>Model No.</b>	<b>EXV-2025</b>
<b>Rated Voltage</b>	AC 220, 60Hz
<b>Tip Temperature</b>	280-300°C
<b>Size (excluding the cord)</b>	205mm
<b>Weight (exclude the cord)</b>	Approx. 50g

Iron Type Iron

**EXF-3022 / EXF-2080 / EXF-2080S**



Model No.	EXF-3022	EXF-2080S	EXF-2080
<b>Rated Voltage</b>	AC 220V, 60Hz		
<b>Power Consumption</b>	10/20W	40/80W	40/80W
<b>Temperature</b>	150-180°C / 240-285°C	230°C ±5% / 350°C ±5%	230°C ±5% / 350°C ±5%
<b>Size</b>	250 x 32mm	200(L) x 50(W) x 110(H)	370(L) x 60(W) x 90(H)
<b>Cord length</b>	1.5m	2.5m	1.5m
<b>Weight</b>	Approx. 200g	Approx. 420g	Approx. 300g

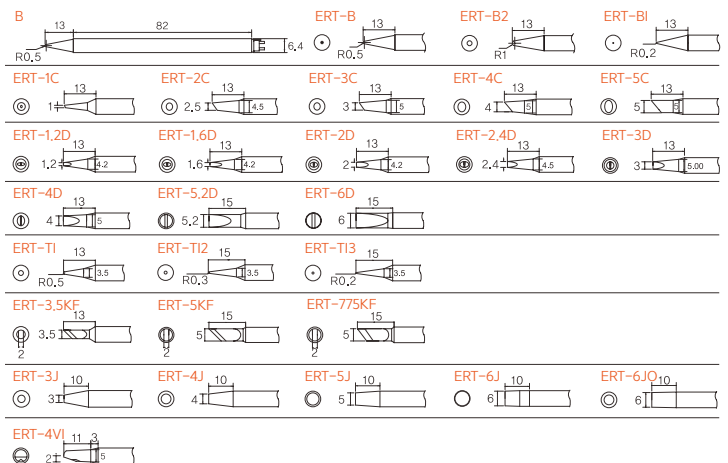
**ERT Tip**



**Custom order**

- AC48V, 120W
- Tip for soldering robot only
- Built-in K type sensor
- Plating with black chrome
- High quality with SUS-316 material

**ERT**



## Soldering Tools

EXSO Solder

**Paste  
(Flux from Japan)**

**Wire Solder**

**Bar Solder**



· **Solder Paste**  
EAP-63  
Sn 63% Pb 37%



· **Wire Solder**  
EA2-EA8



· **Lead-free Solder**  
EA20-26



· **Bar Solder**  
EA9  
· **Lead-free Bar Solder**  
EA27

Model No.	Specification	Unit	Remark
EA-2	Lead Solder Sn60%, Pb40%, 0.6mm	1kg	Pb
EA-3	Lead Solder Sn60%, Pb40%, 0.8mm	1kg	Pb
EA-4	Lead Solder Sn60%, Pb40%, 1.0mm	1kg	Pb
EA-5	Lead Solder Sn60%, Pb40%, 1.2mm	1kg	Pb
EA-6	Lead Solder Sn60%, Pb40%, 1.6mm	1kg	Pb
EA-7	Lead Solder Sn60%, Pb40%, 2.0mm	1kg	Pb
EA-8	Lead Solder Sn60%, Pb40%, 3.0mm	1kg	Pb
EA-9	Lead Bar Solder Sn63%, Pb37%	500g	Pb
EA-20	Lead-free Solder Sn99.3%, Cu0.7%, 0.6mm	1kg	Pb-Free
EA-21	Lead-free Solder Sn99.3%, Cu0.7%, 0.8mm	1kg	Pb-Free
EA-22	Lead-free Solder Sn99.3%, Cu0.7%, 1.0mm	1kg	Pb-Free
EA-23	Lead-free Solder Sn99.3%, Cu0.7%, 1.2mm	1kg	Pb-Free
EA-24	Lead-free Solder Sn99.3%, Cu0.7%, 1.6mm	1kg	Pb-Free
EA-25	Lead-free Solder Sn99.3%, Cu0.7%, 2.0mm	1kg	Pb-Free
EA-26	Lead-free Solder Sn99.3%, Cu0.7%, 3.0mm	1kg	Pb-Free
EA-27	Lead-free Bar Solder Sn99.3%, Cu0.7%	500g	Pb-Free

# Stand

## ST-77



Stand for ETW-30

<b>Weight</b>	Approx. 520g
<b>Size</b>	165 x 75 x 85mm
<b>Tip thickness</b>	Less than 7mm

## ST-78



Stand for ELT, EMT, EHT Series

<b>Weight</b>	Approx. 320g
<b>Size (Bottom Plate)</b>	160 x 80mm

## ST-77



## ST-77



Stand for all EXSO iron except JY-21004~21006 and JY-21007

<b>Weight</b>	Approx. 310g
<b>Size (Bottom Plate)</b>	140 x 60mm

## ST-99



Stand for ELT, EMT, EHT Series

<b>Weight</b>	Approx. 570g
<b>Size</b>	190 x 85 x 75mm

## ST-88



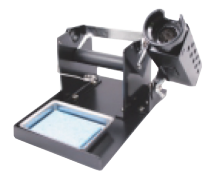
<b>Weight</b>	Approx. 300g
<b>Size (Bottom Plate)</b>	160 x 80 x 95mm

## ST-78D



<b>Weight</b>	Approx. 470g
<b>Size (Bottom Plate)</b>	160 x 80mm

## EXD-52



<b>Weight</b>	Approx. 600g
<b>Size (Bottom Plate)</b>	155 x 95mm

## ST-58



Stand for Beginner iron

<b>Weight</b>	Approx. 240g
<b>Size (Bottom Plate)</b>	110 x 50mm

## ST-66



Stand for JY series iron

<b>Weight</b>	Approx. 320g
<b>Size (Bottom Plate)</b>	190 x 70mm

## ST-120B



<b>Weight</b>	Approx. 240g
<b>Size (Bottom Plate)</b>	155 x 100 x 70mm

## ST-120H



<b>Weight</b>	Approx. 310g
<b>Size (Bottom Plate)</b>	155 x 100 x 70mm

## ST-120S



<b>Weight</b>	Approx. 230g
<b>Size (Bottom Plate)</b>	155 x 115 x 70mm

## Solder Holder | EXD-51



<b>Weight</b>	Approx. 520g
<b>Size</b>	85 x 95 x 75mm

## Tip Cleaner | CLEANER 99A



<b>Case Weight</b>	Approx. 30g
<b>Scrub brush weight</b>	Approx. 30g
<b>Height</b>	Approx. 65mm (Including rubber plate)
<b>Width</b>	Approx. 67mm

## Tip Cleaner | CLEANER 99B



<b>Weight</b>	Approx. 90g (Including scrub brush)
<b>Size</b>	80 x 30mm

## Steel Wool | CLEANER 99-S



<b>Weight</b>	Approx. 40g (Including package weight)
---------------	--

## Soldering Tools

Soldering  
Pot

**SOT-100 /  
100W SOT-100 Heater**



Model No.	<b>SOT-100</b>
Rated Voltage	AC 220V/60Hz 100W
Lead Pot Temperature	200~450°C
Pot Size	38mm
Inside Diameter of Pot	30mm
Dissolved Amount of Lead	Approx. 300g
Weight	Approx. 500g
Size	160 x 90 x 50mm

Silicone Mat

**EXS-160**



· The products in the picture  
are just for acting out.

Model No.	<b>EXS-160</b>
Material	Silicone
Size	450 x 300mm
Weight	Approx. 650g

De-soldering  
Tool

**DS-1010 / DS-1030**

· DS-1010



· DS-1030



Model No.	<b>DS-1010</b>	<b>DS-1030</b>
Size	215mm	240mm
Weight	Approx. 50g	Approx. 50g

Brush

**30-HH / 36-HH**



· 30-HH



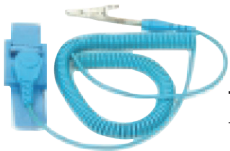
· 36-HH

· MADE IN U.S.A

Model No.	<b>30-HH</b>	<b>36-HH</b>
Size	195mm	210mm
Weight	Approx. 20g	Approx. 50g

ESD Wire  
Strap

**EX-611B**



Length	1.6mm
Weight	Approx. 20g

Cleaner

**1621-1L /  
1621-5GL**



· 1621-1L



· 1621-5GL

· MADE IN U.S.A

Soldering  
Paste

**QSP-57**

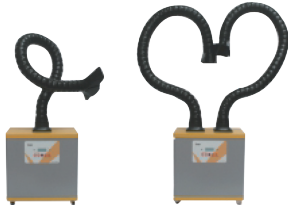


· QSP-57

· MADE IN U.S.A

Digital Fume  
Extractor

**EXC-6001D / EXC-6002D**



- Metal body structure, strong and durable
- Noise reduction design, quiet operation
- Triple-filter design ensures thorough purification
- High-quality alloy fan achieves great suction power

Model No.	Rated Voltage	Power Consumption	Tube	Suction Amount	Suction Speed	Suction Power	Tube Length	Noise	Size	Weight
EXC-6001D	AC 110V/220V, 60Hz	80W	1	235m³/h	17m/s	0.3µm 99.97%	Ø75mm x 1.4m	<55dB	420 x 245 x 490	Approx. 12kg
EXC-6002D	AC 110V/220V, 60Hz	200W	2	2 x 150m³/h	2 x 11m/s	0.3µm 99.97%	Ø75mm x 1.4m	<60dB	420 x 245 x 490	Approx. 13kg

Tube and  
Filter

**EXC-6001 / 6002**



Model No. **EXC-6001/6002 Tube**  
Tube Length Ø75mm x 1.4m

- [EXC-6001/6002 Pre-filter] EXC-6001-P**  
For filtering big particles of over 50 µm in the fume
- [EXC-6001/6002 Middle filter] EXC-6001-C**  
For filtering dust particles: for particles above 0.3 µm, its filtering efficiency reaches 99.97%
- [EXC-6001/6002 Main filter] EXC-6001-M**  
For filtering hazardous gases, its filtering efficiency reaches above 95

Desktop Fume  
Extractor

**EXC-800**



Model No. **EXC-800 Tube**  
Tube Length 50mm x 1.2m  
Nozzle 50mm silica gel, Aluminum alloy square shape

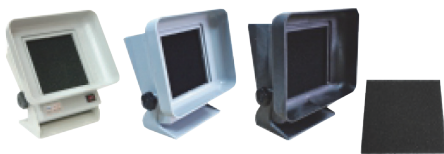
- With 3 different air flow speed to select
- Two options for operation with the duct or without the duct
- Lightweight and compact design, save space and easy to move

· [Main filter] EXC-800-M · [Pre-filter] EXC-800-P ※Tube Separate purchase

Model No.	Air Inlet	Rated Voltage	Power Consumption	Suction Amount	Suction Power	Noise	Tube Length	Size	Weight
EXC-800	Open Type	AC 220V, 60Hz	35/60/80W	75/100/110m³/h	0.3µm 99.97%	<52/57/59dB	1.2m	300 x 270 x 300	Approx. 4.3kg

Smoke  
Absorber

**JY-SA1 / JY-SA2 / JY-SA2 ESD / JY-SA2-F**



- High performance fan and use the filter with refined activated carbon having a high absorbing performance
- Fully adjustable fan and easy to replace the filter

Model No.	JY-SA1	JY-SA2	JY-SA2 ESD
Rated Voltage	AC 110V 50/60Hz	AC 220V 50/60Hz	AC 220V 50/60Hz
Maximum Air Volume	105-126CFM	105-126CFM	105-126CFM
Weight	Approx. 1.1kg	Approx. 1.2kg	Approx. 1.2kg

Smoke  
Absorber

**JY-SA20 (Air Blower)**



Model No.	Rated Voltage	Power Consumption	Current	Maximum Air Flow	Maximum Rated Voltage	Size	Weight	Noise
JY-SA20	AC 220V, 60Hz	23W	0.19A	1.35m³/min	14.9mmH <sub>2</sub> O	160 x 270 x 320mm	Approx. 1.77kg	60dB

## Glue Guns / Measuring Equipment

Glue Gun

### GR-20 / GRD-30 (For Vehicle) / GR-60 / GR-60N



· GR-20



· GRD-30 (For Vehicle)



· GR-60



· GR-60N

Model No.	Rated Voltage	Power Consumption	Nozzle Temperature	Insulation Resistance	Size	Weight (Include the cord)	Glue Stick	Switch (ON/OFF)
GR-20	AC 80~220V, 60Hz	20W	150°C	100MΩ	115mm	Approx. 80g	7.3mm	-
GRD-30	DC12V	30W	-	-	-	-	-	-
GR-60	AC 80~220V, 60Hz	40W	170°C	100MΩ	195mm	Approx. 260g	11.3mm	Not Applied
GR-60N	AC 80~220V, 60Hz							Applied

Glue Gun

### GR-560 / GR-550 / GR-80N / GR-100N



· GR-560



· GR-550



· GR-80N  
KC, CE



· GR-100N  
KC, CE

Model No.	Rated Voltage	Power Consumption	Nozzle Temperature	Insulation Resistance	Size	Weight (Include the cord)	Diameter of Glue Stick	Switch (ON/OFF)	Temp-Control
GR-550	AC 220V, 60Hz	60W	170°C	100MΩ	190mm	Approx. 220g	11.3mm	Not applied	No
GR-560		60W	Variable type		190mm			Applied	Yes
GR-80N		80W	190°C		210mm	Approx. 370g		Not applied	No
GR-100N		100W			210mm	Approx. 380g		Applied	No

## Glue Gun | GR-200 / GR-200T



GR-200



GR-200T

Model No.	Rated Voltage	Power Consumption	Nozzle Temp	Insulation Resistance	Size	Weight (Including cord)	Diameter of Glue Stick (mm)	Temp-Controll	Switch (ON/OFF)
GR-200	AC 220V, 60Hz	200W	190°C	100MΩ	270mm	Approx. 410g	11.3	-	Applied
GR-200T	AC 220V, 60Hz	200W	Variable type	-	235mm	Approx. 390g		Yes	Applied

## Gas Glue Gun | GRG-620



Model No.	GRG-620
Temperature Range	160-240°C
Tank Capacity	40ml/cc
Size	230mm
Weight (Include the cord)	700g
Diameter of Glue Stick(mm)	11.3

## Rechargeable Glue Gun | GRD-379



Model No.	GRD-379
Battery	3.7V, 2,600mAh Li-ion Battery
Power Consumption	9W
Diameter of Glue Stick(mm)	7.3
Charging Time	Approx. 4 hours (full charge)
Usable Time	Approx. 1 hour 10 min (cont.)

## Glue Stick



Model No.	EXH104	EXH606 (Polyamide)
Diameter 7.3mm	1kg: Transparent, Black 10p: Transparent	-
Diameter 11.3mm	1kg: Transparent, Black, Yellow 5p: Transparent, Black, Yellow	1kg: Yellow, Transparent
Diameter 15mm	1kg: Transparent	1kg: Yellow

## Thermometer | ETM-191A



**Parts**  
 9V Battery (1pc)  
 Temperature Measurement Sensor (10pcs)  
 External aMeasurement Sensor Line (1pc)

Model No.	Battery	Temperature Measurement Sensor	Temperature Measurement Range	Operating Time	Size	Weight
ETM-191A	9V DC(6F22)	K Type Sensor	0-600°C	Max. 150 hours	160(W) x 45(H) x 80(D)mm	approx. 200g

## Infrared Light Thermometer | ET-530C



Model No.	ET-530C
Measuring Range	-50°C-530°C
Resolution	0.1°C
Accuracy	1% or 1°C
Response Time	500mSec, 95% response
Spectral Response	5um - 14um
Emissivity	0.95 Preset
Spot Distance	12 : 1
Battery	1.5V AAA X 2 battery

## Analog Multimeter | EX-260TR / EX-360N



EX-260TR



EX-360N

Model No.	EX-260TR	EX-360N
DC Rated Voltage	10-1000V	0.1-1000V
AC Rated Voltage	2.5-1000V	10-1000V
DC Current	2.5mA-10A	50uA-10A
Resistance	0-20MΩ	0-20MΩ
Battery	9V x 1, AA(1.5V) x 2	9V x 1, AA(1.5V) x 2
Size	150 x 100 x 42mm	100 x 148 x 35mm
Weight	270g	280g

## ASAHI-4201



Model No.	ASAHI-4201
Sampling	2times/s
Size	54 x 108 x 12mm
DC Rated Voltage	0-450V
AC Rated Voltage	0-450V
Resistance Range	0-40MΩ
Continuity	Less than 50Ω
Continuity Check	400Ω
Battery	Lithium 1.5V x 2

## ESD Tester | WST-698



Model No.	WST-698
Size	115 x 75 x 40mm
Weight	Approx. 130g
Battery	DC 9V Battery
Grounding Wire	2.5mm

DC Power Supply | **K-6133A / K-6135A**



· K-6133A



· K-6135A

Model No.	K-6133A	K-6135A
Number of Output	1CH	
<b>Variable Output</b>		
Output Voltage	0-continuous adjustable for certain value	
Output Current	Continuous adjustable for certain value	0-continuous adjustable for certain value
Source Regulation	$\leq 0.01\% + 3mV$	$\leq 1 \times 10^{-4} + 3mV$
Load Regulation	$\leq 0.01\% + 3mV$	$\leq 1 \times 10^{-4} + 3mV$
Riffle & Noise	$\leq 1mVrms$	$\leq 1mV$ (Effective value)
Tracing Error	-	$\leq 0.5\% + 1d$
Display	2 sets of 3 digit LED	
Display Error	0.5% + 1d1sit	
<b>Fixed Output</b>		
Output Voltage	5V	
Output Current	2A	
Source Regulation	$\leq 5mV$	
Load Regulation	$\leq 15mV$	
Riffle & Noise	$\leq 2mVrms$	$\leq 2mV$ (Effective value)
<b>Other</b>		
Rated Voltage	AC 220V 50-60Hz	
Operating Environment	Temperature- 0-40°C Humidity: $\leq 90\%RH$	
Storage Environment	Temperature- 20-80°C Humidity: $\leq 80\%RH$	
Size	120 × 160 × 270 (mm)	120 × 160 × 270 (mm)
Weight	Aprox. 4.4kg	Aprox. 5.1kg

Nipper

**ITR-5000**

· MADE IN ITALY

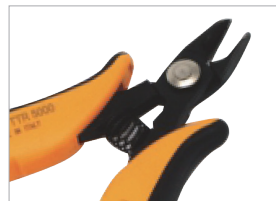


Steel wire  $\varnothing 1.6mm$   
Copper wire  $\varnothing 2mm$

Weight	95g
Size	140mm

**TTR-5000**

· MADE IN ITALY

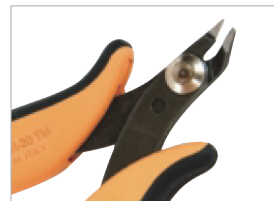


Steel wire  $\varnothing 0.5mm$   
Copper wire  $\varnothing 2mm$

Weight	95g
Size	140mm

**TR-20TM**

· MADE IN ITALY



Copper wire  $\varnothing 0.6mm$

Weight	48g
Size	130mm

**ITRR-58**

· MADE IN ITALY

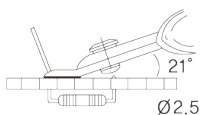
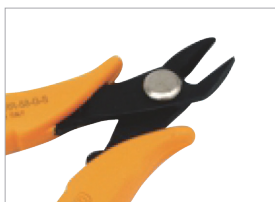


Steel wire  $\varnothing 1.6mm$   
Copper wire  $\varnothing 2mm$

Weight	98g
Size	165mm

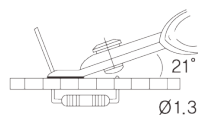
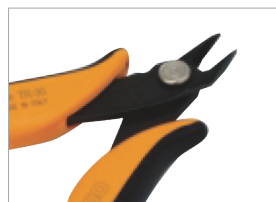
**TRR-58-GS**

· MADE IN ITALY



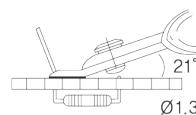
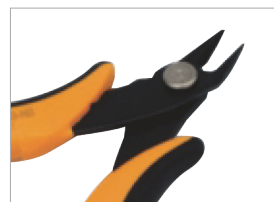
**TR-30**

· MADE IN ITALY



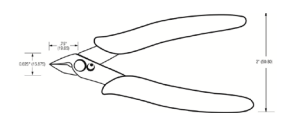
**TRE-03-NB**

· MADE IN ITALY

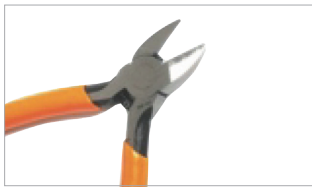


**PLATO 170**

· MADE IN U.S.A



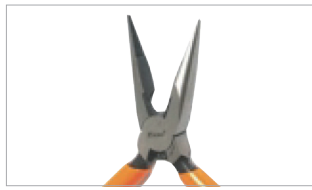
Nipper | **TR-302**



<b>Material</b>	55#STEEL
<b>Size</b>	110mm

· MADE IN ITALY

Long Nose Plier | **TR-501**



<b>Material</b>	55#STEEL
<b>Size</b>	130mm

· MADE IN ITALY

Plier | **PN2017**



<b>Weight</b>	80g
<b>Size</b>	155mm

· MADE IN ITALY

Micro Plier | **PN-20-M**



<b>Weight</b>	45g
<b>Size</b>	125mm

· MADE IN ITALY

Wire Stripper | **CSP-30-1**



∅0.25 ~ 0.81

<b>Weight</b>	104g
<b>Size</b>	165mm

· MADE IN ITALY

Wire Stripper | **CSP-30-2**



∅0.81 ~ 2.59

<b>Weight</b>	103g
<b>Size</b>	165mm

· MADE IN ITALY

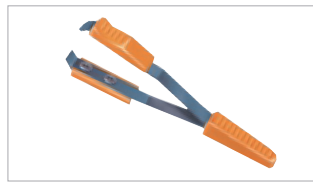
Wire Stripper | **CS-30**



<b>Weight</b>	80g
<b>Size</b>	145mm

· MADE IN ITALY

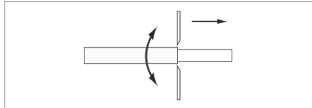
Wire Stripper | **PST 1.0/PST0.8/PST 0.6/PST 0.5**



<b>PST 1.0</b>	18 AWG
<b>PST 0.8</b>	20 AWG
<b>PST 0.6</b>	22 AWG
<b>PST 0.5</b>	24 AWG

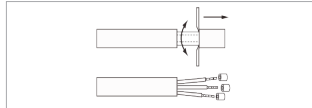
· MADE IN ITALY

Enamel Wire Stripper | **PRF-0**



· MADE IN ITALY

Coaxial Cable Stripper | **PCC-1**

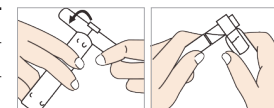


· MADE IN ITALY

Cable Stripper | **SC-1 / S, SC-2 / S, SC-4 / 2C**

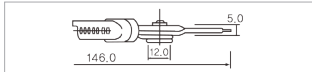
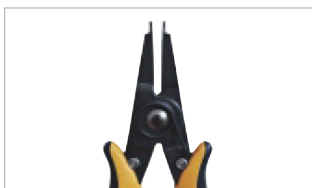


<b>1S</b>	∅4-16mm Cable strip
<b>2S</b>	∅8-28mm Cable strip
<b>4/2S</b>	∅8-28mm Cable Strip, Blade, Hook



· MADE IN ITALY

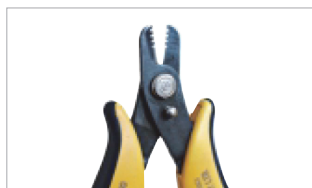
Ring Plier | **P-1**



<b>Weight</b>	73g
<b>Size</b>	155mm

· MADE IN ITALY

Precision Wire Stripper | **SFF-30 / SF-30**

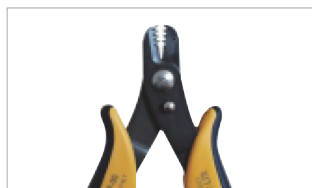


	∅0.32 ~ 0.51 (28 ~ 24 AWG)
--	-------------------------------

<b>Weight</b>	74g
<b>Size</b>	140mm

· MADE IN ITALY

Precision Wire Stripper | **SFF-30 / SF-30**



	∅0.20 ~ 0.64 (32 ~ 22 AWG)
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<b>Weight</b>	75g
<b>Size</b>	145mm

· MADE IN ITALY

Wire Stripper | **EX-21C**



<b>Wire strip</b>	0.5-6mm
<b>Wire cut</b>	8mm

· MADE IN ITALY

## Tools

UTP Stripper

**EX-318**



<b>Weight</b>	Approx. 10g
<b>Size</b>	95mm

Cable Cutter

**TC-18**



<b>Cutting power</b>	15kg
<b>Cable</b>	Ø18mm
<b>Weight</b>	Approx. 180g
<b>Size</b>	180mm

· MADE IN ITALY

**TC-14**



<b>Cutting power</b>	7.0kg
<b>Cable</b>	Ø14mm
<b>Weight</b>	Approx. 130g
<b>Size</b>	180mm

· MADE IN ITALY

Wire Stripper Plate

**SF-40-1 / SF-40-2**

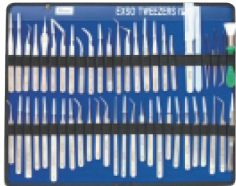


<b>Ø1~0.25mm</b>	18~30AWG
<b>Ø2~1.3mm</b>	13~16AWG

· MADE IN ITALY

Tweezers

**EXSO TWEEZERS SET**



· Tweezers set (43sort)

<b>Ceramic tweezers</b>	Ceramic tweezers
<b>Bamboo tweezers</b>	2A / AA / 11A / 10A
<b>ESD plastic tweezers</b>	ESD-6P / ESD-2AP / ESD-574P / ESD-AAP
<b>ESD zircon tweezers</b>	ESD-2A-Z / ESD-AA-Z / ESD-SS-Z / ESD-249-Z
<b>ESD epoxy tweezers</b>	ESD-7 / ESD-GG / ESD-2A / ESD-SS / ESD-AA
<b>Special tweezers</b>	108 SA / 107 SA / 106 SA / 105 SA / 104 SA / 103 SA / S SA / 109 SA / 150 SA / PSF SA / AA SA / 19 SA / 577 SA / 4R SA / 574 SA / 7R SA / 7A SA / 4A SA / 3 SA / SS SA / 7 SA / 5A SA / 0 SA
<b>General tweezers</b>	300 Tweezers (大) / TS / 51L / 7L / 5AL / 5L / 2AS / 00B / 00D / 47 / AAL / 23 / 2 / 6 / 532B / 7B / 2AB / 7 / 51 / 5C / 7C / 5A / 5ACR / 52A / 5AC / 65A / 5B / 3CB / 2A / FCM GG / 231A / AC / OC / 3C / OC11 / NN / 3 / 1 / 5 / 231 / 00 / MM / AA / 26 / SS / SSH
<b>Bursh</b>	Brush for tweezers
<b>Tweezers grip</b>	JIP-103 / JIP-102 / JIP-101

Plastic Welding Machine

**EX-700P**



<b>Model No.</b>	<b>EX-700P</b>
<b>Rated Voltage</b>	AC 220V, 60Hz
<b>Power Consumption</b>	700W
<b>Temp-Range</b>	100~550°C
<b>Air Flow</b>	50~300L/min
<b>Control Type</b>	Nonstep method

Gas Torch

**EGT-2040 / EGT-2030**



· EGT-2040



· EGT-2030

Model No.	EGT-2040	EGT-2030
<b>Size</b>	165 x 75 x 55mm	205 x 40 x 73mm
<b>Weight</b>	Approx. 180g	Approx. 140g
<b>Gas Consumption</b>	145g/h, 1538kcal	80g/h, 960kcal
<b>Flame Calibre</b>	Ø21mm	Ø22mm
<b>Maximum Firepower</b>	1850°C	1300°C
<b>Used Gas</b>	LPG 220g	LPG 220g

Hot Air Gun

**EX-398A**



<b>Model No.</b>	<b>EX-398A</b>
<b>Power Consumption</b>	1600W
<b>Temp-Range</b>	120~590°C
<b>Air Flow</b>	48.0L/min
<b>Rated Voltage</b>	AC 220V, 60Hz
<b>Control Type</b>	Nonstep method
<b>Weight</b>	Approx. 700g

**GT-3000S**



<b>Model No.</b>	<b>GT-3000S</b>
<b>Size</b>	Ø62 x 75(W) x 155(H)mm
<b>Weight</b>	154g
<b>Gas Volume</b>	8g
<b>Burning Time</b>	Approximately 20 to 25 minutes
<b>Flame Temperature</b>	1300°C
<b>Flame Length</b>	10~35mm

Butan Gas

**GAS 70-59**



<b>Capacity</b>	150g (265cc)
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Micro Gas Torch

**PT-4000**



Model No.	Size	Thickness	Weight	Gas Volume	Burning Time	Temperature
<b>PT-4000</b>	160mm	20mm	56g	3.8g	Approx. 30 minutes	1300°C

## Micro-Vox Driver



· 2mm / 2.5mm



· 3mm-7mm



· 1/8 inch X 3 inch

Model No.	Specification	Size
Micro-Vox Driver	2 x 75mm	Approximately 175mm
	2.5 x 75mm	
	3 x 75mm	
	3.5 x 75mm	
	4 x 75mm	
	4.5 x 75mm	
	5 x 75mm	
	5.5 x 75mm	
	6 x 75mm	
	7 x 75mm	
1/8 inch x 3 inch		

## Micro Driver



· MADE IN ITALY

No.	Shape	Drive Name	Model No.	Tip Width (mm)	Tip Length (mm)	Blade Length (mm)	Overall Length (mm)
1/2/3/4	●	Slotted Screwdriver	PG1-0	0.25	1.2	60	160
			PG1-1	0.3	1.5	60	160
			PG1-2	0.3	1.8	60	160
			PG1-3	0.4	2.5	75	175
5/6/7/8/9/10/11	⊕	Phillips Screwdriver	PG2-0	PH-000	2.5	60	160
			PG2-1	PH-00	2.5	60	160
			PG2-1/75	PH-00	2.5	75	175
			PG2-2	PH-0	3.0	60	160
			PG2-2/100	PH-0	3.0	100	200
			PG2-2/150	PH-0	3.0	150	250
			PG2-2/75	PH-0	3.0	75	175
12	⊗	Pozidriv Screwdriver	PG3-0	PZ-0	3.0	60	160
13/14/15/16	⊛	Torx Screwdriver	PG4-0	TX 6	3.5	50	150
			PG4-0X	TX 5	3.5	50	150
			PG4-1	TX 7	3.5	50	150
			PG4-2	TX 8	3.5	60	160
			PG5-0	TX T 6	3.5	50	150
17/18/19/20/21/22	⊛	Tamper Resistant Screwdriver	PG5-1	TX T 7	3.5	50	150
			PG5-2	TX T 8	3.5	60	160
			PG5-3	TX T 9	3.5	60	160
			PG5-4	TX T 10	3.5	60	160
			PG5-5	TX T 15	3.5	60	160

## Micro Driver ESD



· MADE IN ITALY

No.	Shape	Drive Name	Model No.	Tip Width (mm)	Tip Length (mm)	Blade Length (mm)	Overall Length (mm)
1/2/3/4/5/6	●	Slotted Screwdriver	PG1-0D	0.25	1.2	60	160
			PG1-1D	0.3	1.5	60	160
			PG1-2D	0.3	1.8	60	160
			PG1-3D	0.4	2.5	75	175
			PG1-4D	0.4	3.0	100	200
			PG1-5D	0.4	3.0	150	250
7/8/9/10/11/12	⊕	Phillips Screwdriver	PG2-0D	PH-000	2.5	60	160
			PG2-1D	PH-00	2.5	60	160
			PG2-1/75D	PH-00	2.5	75	175
			PG2-2D	PH-0	3.0	60	160
			PG2-2/100D	PH-0	3.0	100	200
13	⊗	Pozidriv Screwdriver	PG2-2/150D	PH-0	3.0	150	250
			PG3-0D	PZ-0	3.0	60	160
14/15/16	⊛	Torx Screwdriver	PG4-0D	TX 6	3.5	50	150
			PG4-1D	TX 7	3.5	50	150
			PG4-2D	TX 8	3.5	60	160
			PG5-0D	TR T 6	3.5	50	150
17/18/19/20/21/22/23	⊛	Tamper Resistant Screwdriver	PG5-0XD	TR T 5	3.5	50	150
			PG5-1D	TR T 7	3.5	50	150
			PG5-2D	TR T 8	3.5	60	160
			PG5-3D	TR T 9	3.5	60	160
			PG5-4D	TR T 10	3.5	60	160
PG5-5D	TR T 15	3.5	60	160			

# Tools

Touch Type LED Magnifying Lamp | **EX-F600LN**



Power Consumption	6W
Rated Voltage	DC 12V/0.8A
Lense Size	90mm x 25mm
Magnification	3/8 Magnification lens
Lighting Intensity	2200LUX

Soldering Assistant Magnifier | **EX-F90**



Lense Size	90mm(3.5inch)
Magnification	2 Magnification lens

Magnifying Lamp | **EX-F500B**



Power Consumption	22W
Rated Voltage	AC 220V 60Hz
Lense Size	127mm
Magnification	3X, 5X (Add Cost on Order)

**EX-F500C**



Rated Voltage	AC 220V 60Hz
Lense Size	127mm
Magnification	3X

PCB RACK | **EX-240ESD**



Size	475mm x 175 x 50mm
Capacity	2mm x 24ea 4mm x 25ea
Material	Conductive PP
Heat-Resistant Temperature	110°C
Resistance Value	10 <sup>6</sup> Ω-10 <sup>9</sup> Ω

Solder Assist | **EX-SA10**



Vacuum Sucking Pen | **SSP-100 / SP-1**



Usable Range	S: 4mm / 3g
	M: 6mm / 18g
	L: 10mm / 40g
Length	152mm
Weight	About 23g



Usable Range	L-40g / M-18g / S-3g
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IC Extractor | **EX-21 (High-end)**



**EX-20 (General)**



Mini Vice | **EB-701**

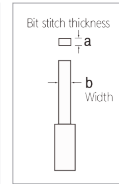
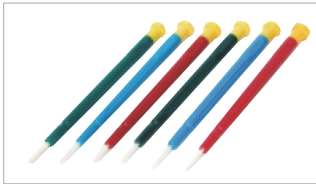


Size	70mm
Withstand Weight	3kg
Weight	1.17kg

Cable Tie Gun | **EX-333**



Ceramic Driver | **S-1 / S-2 / S-3 / S-4 / S-5 / S-6**



Model no.	S-1	S-2	S-3	S-4	S-5	S-6
a	0.4mm	0.4mm	0.4mm	0.4mm	0.4mm	0.4mm
b	0.9mm	1.2mm	1.4mm	1.8mm	2.5mm	3.0mm

Staple Gun | **EX-8200**



Model No.	<b>EX-8200</b>
Size	182 x 40 x 165mm
Weight	440g

EX-8200 Tacker Pin, Tacker Sim (F16, 1012, 1014, 6212, 6214)

Type	Size	Box Quantity
F16	16mm	1BOX 2000PCS
1012	12mm	1BOX 1000PCS
1014	14mm	1BOX 1000PCS
6212	12mm	1BOX 1000PCS
6214	14mm	1BOX 1000PCS



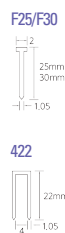
Electric Staple Gun | **EX-2070**



Model No.	<b>EX-2070</b>
Power Consumption	2070W
Weight	1.6KG

EX-2070 Tacker Pin, Tacker Sim (F25, F30, 422)

F25	T Type(25mm)/1BOX 1000PCS
F30	T Type(30mm)/1BOX 1000PCS
422	Type(22mm)/1BOX 1000PCS



Rubber Blower | **EXB-600**

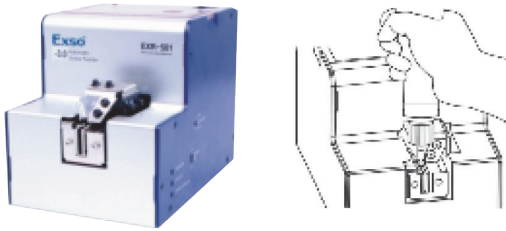


Model No.	<b>EXB-600</b>
Size	140mm

Staple Remover | **EX-410R**



Model No.	<b>EX-410R</b>
Size	180 x 25mm
Weight	90g



<b>Model No.</b>	<b>EXR-501</b>
<b>Size</b>	182(W) x 126(L) x 147(H)mm
<b>Weight</b>	Approximate 1 2.17kgs (Including switching adapter)
<b>Rated Voltage</b>	AC 100-240V, 60Hz
<b>Switching Adapter</b>	DC 15V switching adapter
<b>Applied Screw</b>	M1.0-M5.0
<b>Applied Screw Size</b>	Under 19mm
<b>Screw Storage Capacity</b>	200-220cc
<b>Components</b>	Hexagon wrench(L Saped 2.0 x 107mm) x 1pc.
	Switching adapter 1set.
	Front tooling plate (0.8/1.0/1.2/1.5/2.0 x 70mm) x 1pc.
	Back tooling plate (0.2 X 10 X 20mm) x 2pcs.
	(0.5 X 10 X 20mm) x 10pcs.
	Stopper 2.0-5.0mm x 1pc.

· **WIDEST RANGE OF APPLICABLE SCREW SIZED:** Between 1.0-5.0mm (Incl.: 1.0mm, 1.2mm, 1.4mm, 1.7mm, 2.0mm, 2.3mm, 2.6mm, 3.0mm, 3.5mm, 4.0mm & 5.0mm) 11 sizes.

· **MAX OF SCREWS LENGTH & HOPPER CAPACITY:** Screw Length : Up to 19mm (under screw head) Capacity of hopper : 220-220 cc

· **APPLICABILITY OF SPECIAL SCREW TYPES:** Screw Length  $\geq$  Thread Diameter (1 $\geq$ 1) Thickness of screw head  $\geq$  0.2mm No jamming or failure occurred with these applicable types and affect productivity.

· **SIZE OF FEEDING RAIL IS ADJUSTABLE:** Feeding rail can be pulled out for width adjusts to the applied size easily. Measurements for width adjusting can be in metric or imperial units.

· **SAVE PARTS COAST & STOCK:** EXR-501 allows adjusting the width of feeding rail to serve 11 sizes screws, between 1.0mm to 5.0mm diameter. The flexibility prevents dealers from stocking up on quantities for different sizes, and reduces the cost on related accessories for users.

· **ADJUSTABLE VIBRATION INTENSITY:** With vibration in small amplitude at high intensity, it moves screws on rail to pick-up point in good order, no overlay or jamming to affect the speed of movement and productivity.

· **HUMANIZED MULTI PROGRAMMING CONTROL:**

- Individual drive system for tumbling and vibrating operation.
- Setting ideal interval timings freely with no function conflict or failure occurred.
- PCB controls for efficiencies of desired speed & timing on each operating step.
- Switching adapter allowed AC 100-240V power source for stable DC 15V output no influences and problems due to the different AC power source of factories locations.

## Portable Label Dispenser

## EXLA-200S



<b>Model No.</b>	<b>EXLA-200S</b>
<b>Size</b>	145 x 420 x 82mm
<b>Weight</b>	780g (Including battery)
<b>Label Roll Maximum Dia.</b>	120mm
<b>Label Roll Branch Tube Minimum Diameter</b>	25mm
<b>Label Roll Maximum Width</b>	34mm
<b>Label Roll Width</b>	8-30mm
<b>Label Roll Length</b>	15-65mm
<b>Battery Capacity</b>	2600mAh Lithium ion battery
<b>Rated Voltage</b>	14.8V
<b>Operating Time</b>	Approximately ten hours
<b>Charger Input</b>	AC100-240, 50/60Hz
<b>Charger Output</b>	DC 16.8V, 2A

## Tape Dispenser

## EXTD-3200



- Anti-static from Tape
- 3 Mode (Manual / Semi-automatic / Automatic)
- Easy to change cutting set
- Fast and Safety, Easy

<b>Model no.</b>	<b>EXTD-3200</b>
<b>Rated Voltage</b>	AC 100/220V, 50/60Hz
<b>Tape Thickness</b>	0.8mm and below
<b>Tape Width</b>	8-50mm
<b>Tape Diameter</b>	175mm
<b>Movement Speed</b>	160mm/s
<b>Size</b>	140 x 190 x 155mm
<b>Weight</b>	2.5kg
<b>Tape type</b>	Adhesive Tape, Non-Adhesive Tape
<b>Cut length</b>	5-99mm (recommended for at least 10mm)

## Label Dispenser

## EXLD-600S



<b>Model no.</b>	<b>EXLD-600S</b>
<b>Label width</b>	5-70mm
<b>Label roll outer diameter</b>	210mm
<b>Movement speed</b>	4-5m/min
<b>Rated Voltage</b>	AC220, 50/60Hz
<b>Size</b>	120 x 215 x 190mm
<b>Weight</b>	4.5kg

- Movable Sensitive sensor
- Available to check throughput by counter
- Easy to adjust label width and height

## Fixed q'ty Dispenser

## EAB-60M



<b>Model no.</b>	<b>EAB-60M</b>
<b>Capacity</b>	180ml

- When a small amount of liquid such as T/C and FLUX are used, press the lid and spout with small amount and applied to area such as brush

## Magnetizer

## EM-56



- Can be used for both 5mm and 6mm

<b>Size</b>	Width: 15.6mm / Thickness: 9.5mm
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## Magnetizer

## EM-70



<b>Size</b>	7φ
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## Magnetizer

## EM-40 / 50 / 60



<b>Size</b>	4φ, 5φ, 6φ
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## Tool Balancer

## EXSB-150



<b>Capacity</b>	0.5-1.5kg
<b>Wire length</b>	1-1.5m

## Tools / Telecommunication Tools

DC Full-Auto lever type

### EXD-2000L / EXD-2300L / EXD-5300L



Model No.	EXD-2000L	EXD-2300L	EXD-5300L	
Rated Voltage	DC 20V or 32V			
Torque Range	(kgf.cm)	0.2-3.5	1-10	3-16
	(Lbf.In)	0.18-3.08	0.88-8.8	2.64-14.08
	(N.m)	0.02-0.34	0.1-0.98	0.3-1.57
Torque Accuracy(%)	±3%			
Torque Control Method	Nonstep method			
Number of Rotation (r.p.m)	HI	1000	670	1000
	LO	600	400	600
Used Screw Diameter	Machine screw	1.0-2.3	1.6-3.0	2.3-3.5
	Tapping screw	1.0-2.0	1.6-2.6	2.3-3.0
Power Consumption(W)	25		48	
Weight(g)	270		480	
Length(mm)	205		230	
Using Bit	4φ (Circle)		5φ (Circle / Hexagon)	

DC Full-Auto lever type

### EXD-B203L / EXD-B207L / EXD-B210L / EXD-B512L / EXD-B519L



Model No.	EXD-B203L	EXD-B207L	EXD-B210L	EXD-B512L	EXD-B519L	
Rated Voltage	DC 20V or 32V					
Torque Range	(kgf.cm)	0.2-3.5	0.5-7	1-10	1.5-12	3-19
	(Lbf.In)	0.17-3.05	0.44-6.16	0.87-8.7	1.32-10.56	2.64-16.72
	(N.m)	0.02-0.34	0.05-0.69	0.10-0.98	0.15-1.18	0.29-1.86
Torque Accuracy(%)	±3%					
Torque Control Method	Nonstep method					
Number of Rotation (r.p.m)	HI	1000				
	LO	700			650	
Used Screw Diameter	Machine screw	1.0-2.3	1.4-2.6	1.6-3.0	1.6-3.0	2.3-3.5
	Tapping screw	1.0-2.0	1.4-2.3	1.6-2.6	1.6-2.6	2.3-3.0
Power Consumption(W)	25			55		
Weight(g)	385			520		
Length(mm)	185			245		
Using Bit	4φ (Circle)			5φ (Circle / Hexagon)		

AC Semi-Auto lever type

### EX-1632 / EX-2632 / EX-3632 / EX-4632 / EX-6632



Model No.	EX-1632	EX-2632	EX-3632	EX-4632	EX-6632	
Rated Voltage	AC 220V, 60Hz					
Torque Range	(kgf.cm)	0.2-2.0	0.5-7.0	1.0-12.0	2.0-18.0	5.0-25.0
	(Lbf.In)	0.17-1.7	0.43-6.1	0.9-10.4	1.7-15.6	4.3-21.7
Number of Rotation (r.p.m)	1000					
Used Screw Diameter	Machine screw	1.0-2.0	1.0-2.6	1.4-3.0	2.0-4.0	2.6-5.0
	Tapping screw	1.0-1.7	1.0-2.3	1.4-2.6	2.0-3.0	2.3-4.0
Using Bit	4φ (Circle)			5φ (Circle / Hexagon)		

Crimping Nipper | **ECT-2108**



**Size** 200mm  
**Weight** 260g

Crimping Tool | **ECT-2238**



**Size** 390mm  
**Weight** 753g

Crimping Tool | **ECT-55**



**Size** 176mm  
**Weight** 250g

Crimping Tool | **ECT22 / ECT-38**



**Size** 332mm  
**Weight** 680g

Crimping Tool | **ECT-14**



**Size** 245mm  
**Weight** 390g

Crimping Tool | **ECT-8**



**Size** 245mm  
**Weight** 390g

Crimping Tool | **ECT-336J**



**Size** 220mm  
**Weight** 480g

Crimping Tool | **ECT-202B**



**Size** 190mm  
**Weight** 210g

Crimping Tool | **ECT-106E**



**Size** 220mm  
**Weight** 620g

Crimping Tool | **ECT-225D**



**Size** 200mm  
**Weight** 360g

Crimping Tool | **ECT-314B**



**Size** 6-3/4"(171±3mm)

Crimping Tool | **ECT-5468R**



**Size** 203mm  
**Weight** 370g

Crimping Tool | **ECT-8165T**



**Applicable Range** 0.2-6mm<sup>2</sup>  
(10-23AWG)

Wrapping Tool | **EX-30SN / EX-30SA**



Model No.	EX-30SN	EX-30SA
<b>Function</b>	Un-wrap	Wrap
<b>Wrapping Wire</b>	0.35Ø-0.9Ø	

Wrapping Tool | **EX-30**



**Bit Inner Diameter**  
0.25Ø / 0.32Ø (Public)

**Bit Inner Diameter**  
0.65Ø / 0.9Ø

Pin Remover | **ECT-319F**





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The product color or specification may change without notice.  
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