

# HANDIF

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## Company Introduction

Handif is the world's leading supplier of MRO industrial procurement, we always adhere the principle of "meeting industry needs", and according to the customer's requests, we can make or source from simple common industrial products to brand products, we can also offer OEM & ODM services, so that we do utmost to create values for customers.



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# MRO Introduction

## Overseas Procurement Dilemma



# MRO Introduction

## Advantages of MRO

Save  
Time



Short  
Delivery Time



Planning  
Procurement



Unexpected  
Purchase



Quality  
Assurance



Cost  
Reduction



Transparent  
Procurement



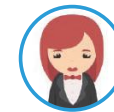
Unified  
Logistics



Many customers often send inquiries to them without any plans, about 500 inquiries per week.



Hard to find different Products. the buyer is very busy, three purchasers often work at least 10 hours per day.



The number of nonproductive materials keeps increasing in stock, To January 2016, the stock inventory is about \$ 1 million, it's very unreasonable.



Too many suppliers, to January 2016 so far, there are 312 cooperative suppliers, more than 500 suppliers for one inquiry.



International logistics cost is too high. A lot of small orders, each small order has to pay an international shipping cost, in January 2016, international logistics cost is about \$ 50,000.



### COOPERATING WITH HANDIF SINCE MAR. 2016

- Just organizing a good inquiry form, and send to Handif, high efficiency!
- Shorten working hours; there is only one purchaser to follow up the orders with Handif;
- There is seldom stock, because Handif has the stock;
- Talking with only one MRO supplier-Handif;
- Handif will delivery goods to LNP every Friday, saving time and freight cost.





## HS Series Automatic Soldering Robot

The minimum can be welded 0.1mm solder wire, solder joint accuracy can reach 0.1mm, Using the world's most advanced ibkrobot, the machine has eight kinds Language, easy to operate.



## IBK-HS-L Robot specifications

Model		HS200L	HS300L	HS400L
Drive method		5-phase stepping motor		
Encoder		4- axes applicable		
Resolution	X,Y,Z Axes	0.01mm		
	R Axis	0.008°		
Operating range	X,Y Axes	200*200mm	300*300mm	400*400mm
	Z Axis	50mm	100mm	100mm
	R Axis	±360°		
Portable Weight		7.0KG	11KG	
Moving speed	X,Y Axes	700mm/sec	800mm/sec	
	Z Axis	250mm/sec	320mm/sec	
	R Axis	600° /sec	800° /sec	
Repeat precision	X,Y,Z Axes	±0.01mm		
	R Axis	±0.008°		
Control precision		Remote teaching(JOG)		
		Manual data Input(MDI)		
External input / output		Input:16    output:16		
Program capacity		255 program		
Memory capacity		3000 point		
Auto feed conditions		Point and slide total; 500 conditions		
Temperature adjustable range		0~500℃		
Feed speed		1.0mm/sec~50.0mm/sec		
Feed speed rate		0.1mm		
Wire diameter	Using ZSB Feeder	Φ0.3~Φ1.0mm(Option;Φ0.3, 1.2, 1.6mm)		
	Using Normal Roller	Φ0.2~Φ1.6mm		
Heating power		130W		
Nitrogen generator		Available(Option: APN-05)		
Display language		English, Chinses, Korean, French, Spanish, German,		
Voltage		AC94-260V(Single-phase)		
Power		360W		

## HS Series Automatic Soldering Robot

The minimum can be welded 0.2mm solder wire, solder joint accuracy can reach 0.2mm, Using the world's most advanced ibkrobot, the machine has eight kinds Language, easy to operate.

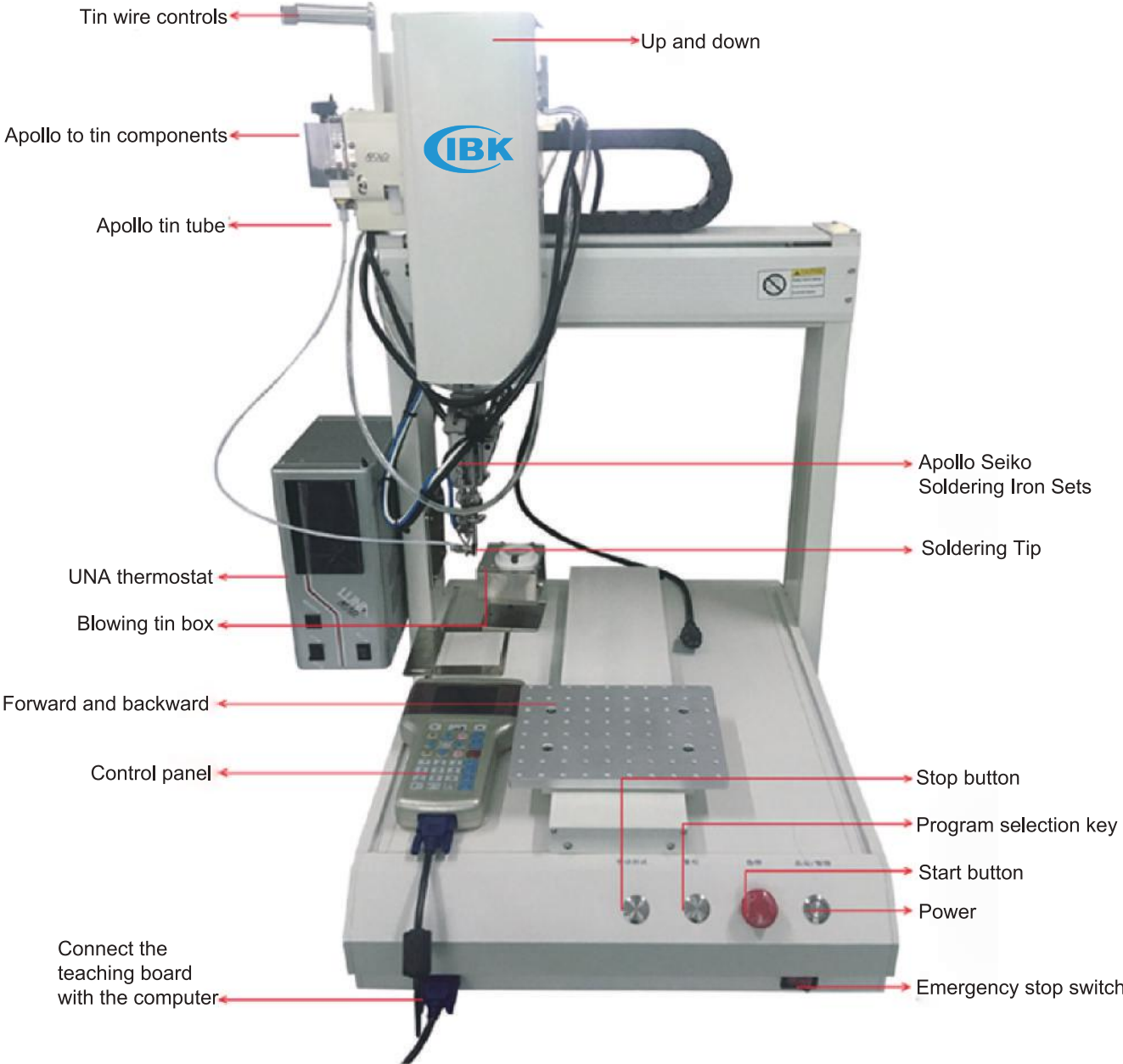


## IBK-DS-L Robot specifications

Model		DS200L	DS300L	DS400L
Drive method		5-phase stepping motor		
Encoder		4- axes applicable		
Resolution	X,Y,Z Axes	0.01mm		
	R Axis	0.008°		
Operating range	X,Y Axes	200*200mm	300*300mm	400*400mm
	Z Axis	50mm	100mm	100mm
	R Axis	±360°		
Portable Weight		7.0KG	11KG	
Moving speed	X,Y Axes	700mm/sec	800mm/sec	
	Z Axis	250mm/sec	320mm/sec	
	R Axis	600° /sec	800° /sec	
Repeat precision	X,Y,Z Axes	±0.01mm		
	R Axis	±0.008°		
Control precision		Remote teaching(JOG)		
		Manual data Input(MDI)		
External input / output		Input:16    output:16		
Program capacity		255 program		
Memory capacity		3000 point		
Auto feed conditions		Point and slide total; 500 conditions		
Temperature adjustable range		0~500℃		
Feed speed		1.0mm/sec~50.0mm/sec		
Feed speed rate		0.1mm		
Wire diameter	Using ZSB Feeder	Φ0.4~Φ1.0mm(Option;Φ0.3, 1.2, 1.6mm)		
	Using Normal Roller	Φ0.3~Φ1.6mm		
Heating power		130W		
Nitrogen generator		Available(Option: APN-05)		
Display language		English, Chinses, Korean, French, Spanish, German,		
Voltage		AC94-260V(Single-phase)		
Power		250W		



# Soldering Robot Accessories



# Soldering robot working platform



**S5300L**  
Route 200\*200\*100mm



**S3002**  
Route 300\*300\*100mm



**S400L**  
Route 400\*400\*100mm



**S5300L**  
Route 500\*300\*300\*100mm



## HD-S Desktop automatic soldering robot

- J-CAT series desktop automatic soldering robot, the body of machine have used JR2000N from JANOME one of the famous factory from Japan.  
Replaced the first two generation JR500/750 and JR2000.A new era LUNA temperature adjustable soldering machine, And according to the working area it is split into 3 part J-CAT-300LUNA、 J-CAT-400LUNA

### → Simplicity of operator

J-CAT series has own use interface, the message can be quickly enter the solder program by teaching pendant (programmer, Teaching Pendant) on the large LCD display , the software and has a powerful editing function, can be easily complete the program to teach.



### → Large memory capacity

J-CAT series has own use interface, the message can be quickly enter the solder program by teaching pendant (programmer, Teaching Pendant) on the large LCD display the software and has a powerful editing function, can be easily complete the program to teach.

### → Positioning precision

Four-axis mounted five-phase micro stepper motor, the J-CAT series repeat precision of the industry's highest  $\pm 0.01\text{mm}$ . Its compact size, weight fit in with most of the electronic industry lead-free solder elastic applications which can quickly reflect changes in the production workshop.

### → Configuration parameters

**J-CAT COMET is the newest type machine, it derived by J-CAT-ECHO, it's specialty:**

- Four axis use precise optical feet to ensure that each axis maintains a working position
- Large digital panel display soldering parameter sets
- Automatic stabilization correction function, soldering tip temperature more accurately
- From the previous spot welding, the welding of the 16 sets into the current 100 sets of solder parameters memory capacity, so that the application of more flexible solder, in line with the needs of diversified production
- The setting range of Sending amount of solder is 0.1-99.9mm and the setting range of sending speed of solder is 1.0-50mm/s

## HD-L Automatic soldering robot

- ■ L-CAT-EVO series is the newest soldering robot, it uses five-phase stepping motor of attaching 0.01mm high-precise resolution encoder, it achieved 750mm/s high speed performance and  $\pm 0.02\text{mm}$  high-precise repeat accuracy.
- All lines are integrated on the Z axis, it can't affect the robot's operation even if the R axis rotates.The newest L-CAT reached 100sets in program memory capacity,totally 100,000 steps,soldering requirement program memory reached 198 sets, this is more suitable for the factory whose products are diversification.

### → Simple upgrade to automated applications

The chassis will change with the coordinates of the move, due to the design most of the desktop XY TABLE at work. If the the action between axes is coordinated and there is no conflict , which design is no problem: L-CAT-EVD series itself has a solid basic structure, the main body of the four axis can be erected on top of the machine, the work will not be moving objects, the biggest advantage is that if you want to upgrade the machine to automated in-line applications, which do not have to design too complicated beside the production line can be used.



### Four-axis one

Comparing the desktop robotic arm, The biggest difference is four axis on top of the machine,The line is integrated on the Z axis, and even the rotation of the R axis doesn't affect the motion of the machine





# Apollo Seiko Controller

- ➔ **Memory capacity upgrade:** Compared with the LUNA 's seven sets of parameter memory, TERRA can remember 297 sets of parameters
- Large touch screen:** Touch panel is larger than the LUNA, and it can also accommodate more information, parameter settings and the real working temperature is clear

➔ **Product photo**

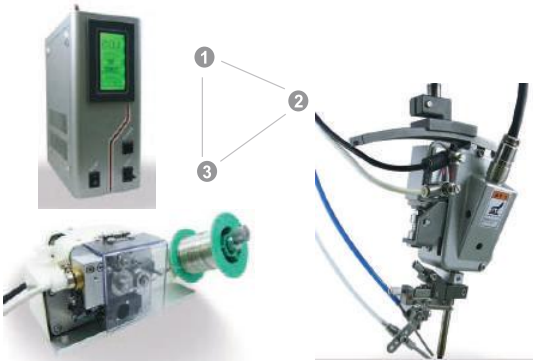


➔ **Product style**

Project	TERRA
Input current	AC85-264V 50/60Hz
input power	4-5Kg / cm <sup>2</sup>
input voltage	ø 0.4mm-ø 1.6mm
soldering wire range	7 Sets (Spot welding 4 sets, pull welding 3 sets)
parameter memory sets	0-500°C
temperature range	100 or 130W
heater power	9 steps
solder step	250 °Adjustable
non-working standby soldering iron temperature	Include (optional equipment)
external pneumatic switch	3.8 Kg
controller weight	0.8 Kg
soldering iron sets weight	0.5 Kg

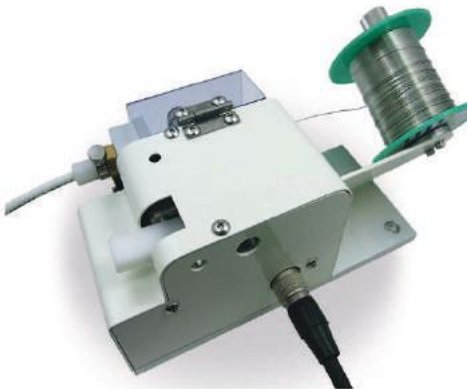
- ➔ **LUNA series:** It can be placed horizontally or vertically, multiple sets of soldering parameters memory.
- Easy operation:** LUNA controller with 3.5-inch touch screen, all parameter settings are just completed by touching the text on the control panel
- Placed horizontally or vertically:** Considering the production line or the space configuration in different auto system equipment, LUNA with vertical L-type and horizontal S-type. In addition, the auto-feed soldering device can be fixed on the LUNA controller directly; it can also be located separately in other locations according to the system requested.
- Multiple sets of soldering parameters memory:** LUNA provides four sets of electric soldering and three sets of pulling soldering, it is convenient to replace the flexible production applications.
- Automatic soldering sets:** Precision auto robotic soldering tip sets

➔ **Product photo**



Project	TERRA
Input current	AC85-264V 50/60Hz
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external pneumatic switch	3.5 Kg
controller weight	0.8 Kg
soldering iron sets weight	0.5 Kg

- ➔ **Automatic soldering sets:** Precision auto robotic soldering tip sets
- Automatic soldering requires a precision soldering tip sets to complete soldering work in a right position. It seems simply but actually extremely complicated. GSP and RSL replaced the old TMP and TML, become the more accurate automatic soldering tip sets. Design of precision bidirectional vernier knob can quickly and precisely adjust the auto-feed soldering position.



➔ **Anti-tin explosion device:** The solution of HTT is different with other V-CUT solution of anti-tin explosion device.

The solution of Apollo Seiko is different with other V-CUT solution of anti-tin explosion device. When the tin wire through the enclosed tin gear, squeezing out some small gap in tin wire by using precise and processed knife type gear, in order to exude the flux and make most flux boiling outside the metal. That can ensure completely the metal activity of the flux can't affect the soldering Manufacturing process.



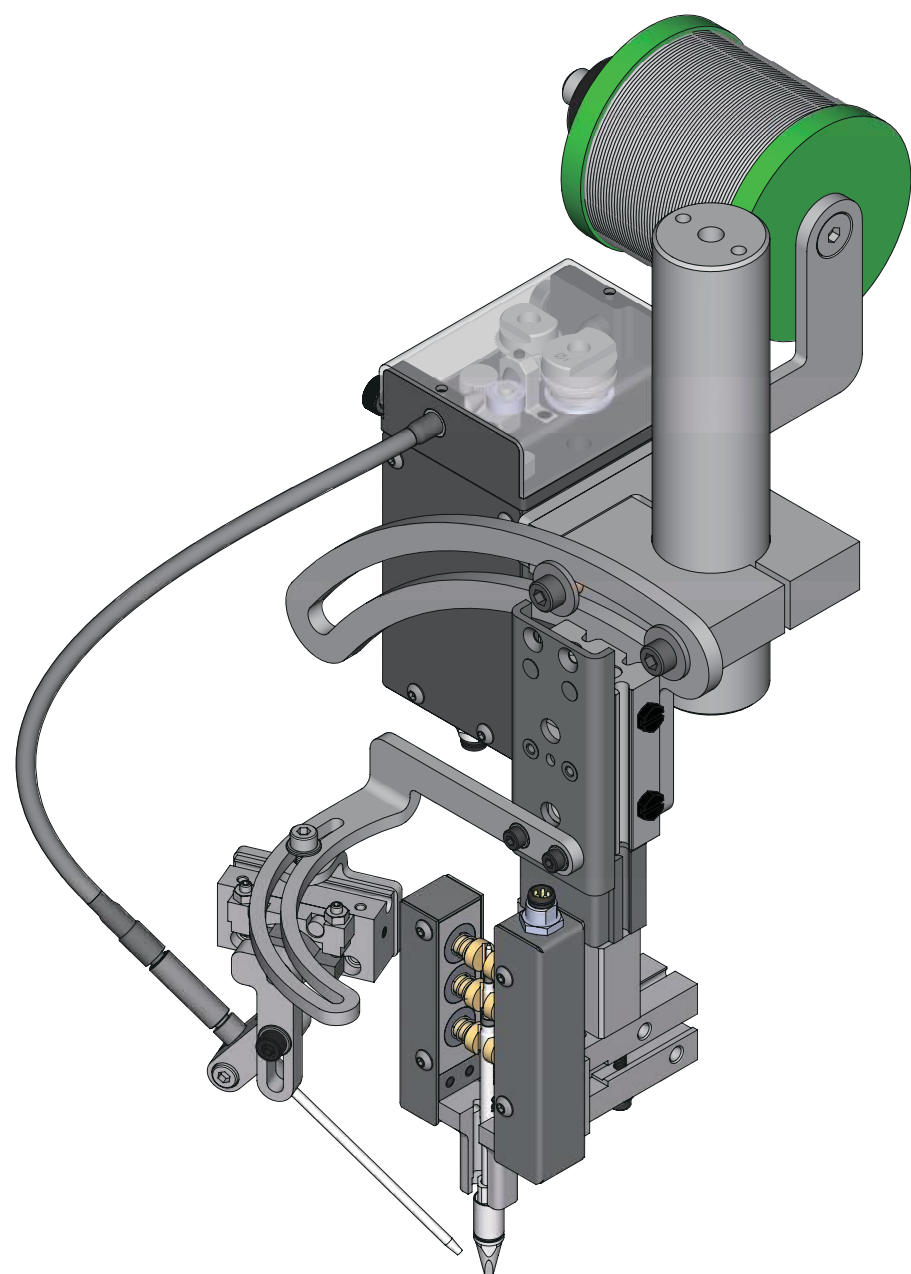
➔ **Washable soldering clean machine:** using double wheels design, it will make double clean.

This washable soldering clean machine can keep moist for a long time, the sponge strips which is extend upwards by water storage box, supporting water to cleaning sponge by using siphon principle. The soldering tips processed program settings then will be cleaned with sponge wheel after returning fixed point. Comparing with dry type and blowing type cleaning way, Washable advantage is cleaning soldering tips' oxide layer more strongly. New SRC-300 is using double wheels design and double clean.

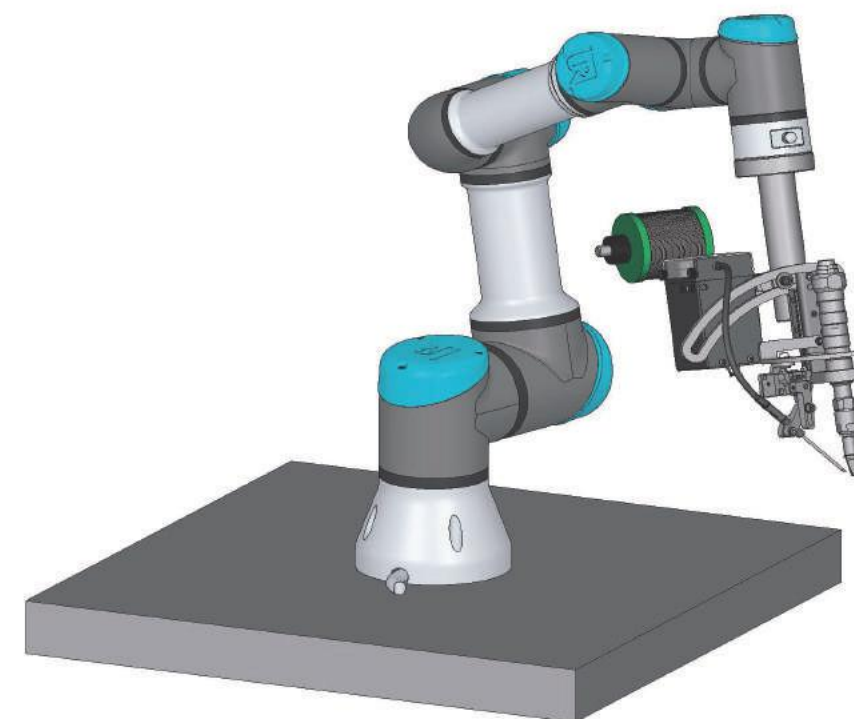
- ➔ **Use both indoors and outdoors**
- Smoke from settled welding head house, first, filter out the fumes, Then, after a special procedure, the clean air is released into the room, suitable for indoor. Also because the equipment can absorb the soldering flux, avoiding too much soldering flux left on the soldering tip, greatly extended the using life of soldering tip. The vacuum generator is installed on the prefilter filter, absorb the Smoke which contain particles through the tube from the top of soldering tip, then The gas is expelled through the exhaust pipe



**JBC**  
www.jbctools.cn



**Soldering tools for automation**



**JBC**

## Herramientas de soldadura para automatización



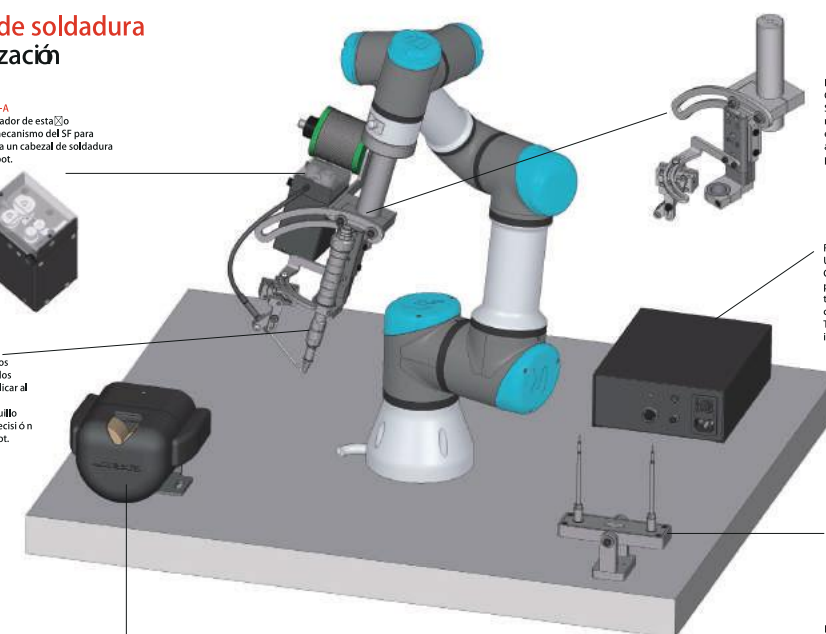
Ref. SFR-A  
Dispensador de estaño con el mecanismo del SF para acoplar a un cabezal de soldadura para robot.



Ref. TR245-A & TR470-A  
Herramienta para acoplar los nuevos cartuchos diseñados específicamente para aplicar al cabezal de soldadura. En la parte inferior el casquillo permite posicionar con precisión la punta especial para robot.



Ref. TRA245-A & TRA470-A  
Sistema automático de intercambio de cartuchos para el cabezal de soldadura para robot.



Ref. RBA-A  
Cabezal de soldadura. Se le pueden acoplar diferentes módulos como: alimentador de estaño, bobina de estaño, tubo aspirahumos, soldador y cámara para monitorizar el proceso.

Ref. UCR470-SA  
Unidad de control. Consta de un conector tipo M16 para conectar la herramienta y otro tipo M8 para las comunicaciones con el robot. También dispone de un LED indicativo del estado de la estación.

Ref. CS2R245-A & CS2R470-A  
Soporte cartuchos para el cabezal de soldadura.

Ref. CLMR-A  
Limpiapuntas especial para un cabezal de soldadura para robot. Formado por tres partes bien diferenciadas: un depósito extraíble, un conjunto donde se alojan los motores y la escuadra que fija todo el conjunto. Todo ello se puede rotar hasta un máximo de 90°, facilitando la entrada del brazo robot en el depósito, alojando y apretando el pomo trasero.

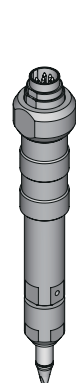




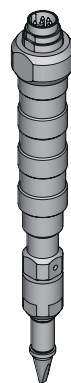
## SOLDERING ROBOT COMPONENTS



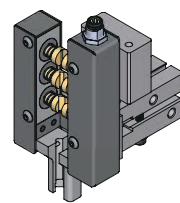
SFR-A  
Solder feeder



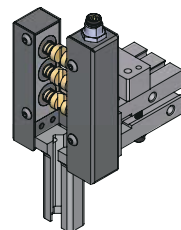
TR245-A  
Superpower / highpower welding pen



TR470-A



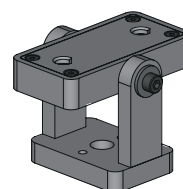
TRA245-A  
High power heater



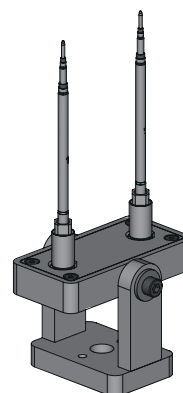
TRA470-A  
Superpower heater



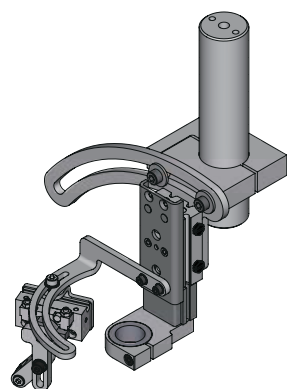
CUR470-5A  
thermostat



CS2R245-A  
High power soldering tip placed seat



CS2R470-A  
High power soldering tip placed seat



RBA-A  
Soldering iron sets



CLMR-A  
Automatic cleaner

## Gama de cartuchos pararobot

Ref. R470001



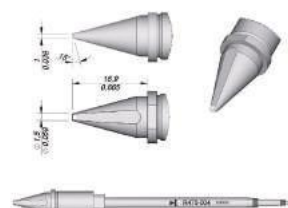
Ref. R470002



Ref. R470003



Ref. R470004



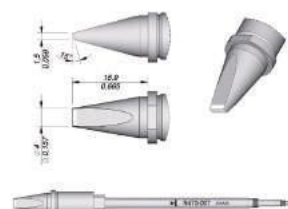
Ref. R470005



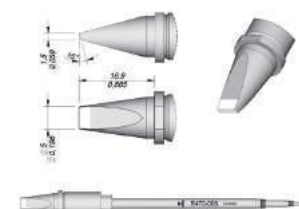
Ref. R470006



Ref. R470007



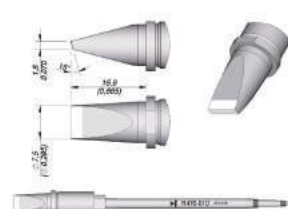
Ref. R470008



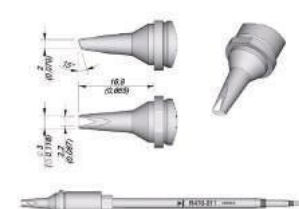
Ref. R470009



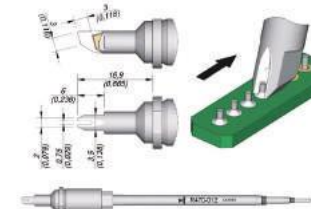
Ref. R470010



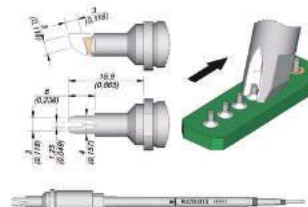
Ref. R470011



Ref. R470012



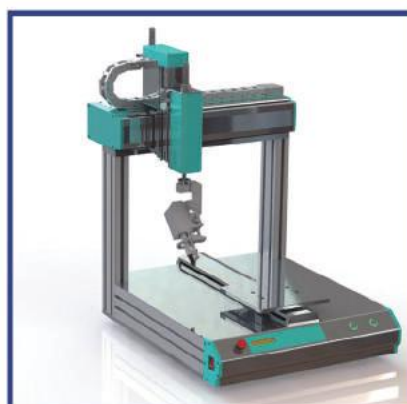
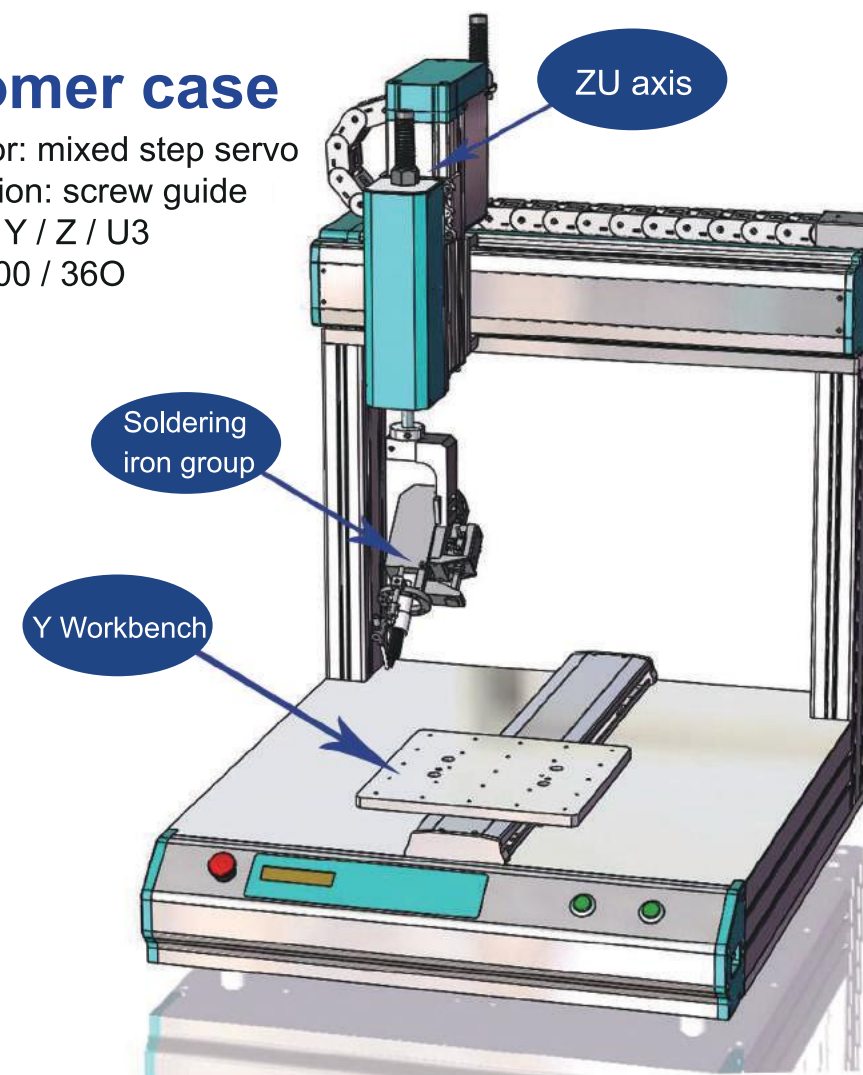
Ref. R470013



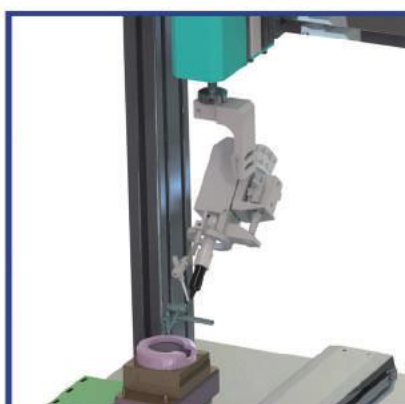


## Customer case

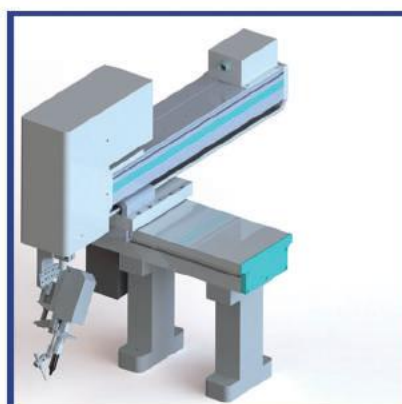
Drive motor: mixed step servo  
Transmission: screw guide  
Travel: X / Y / Z / U3  
300/300/100 / 360



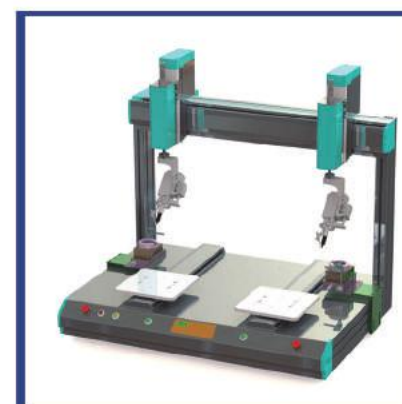
Four-axis desktop soldering machine



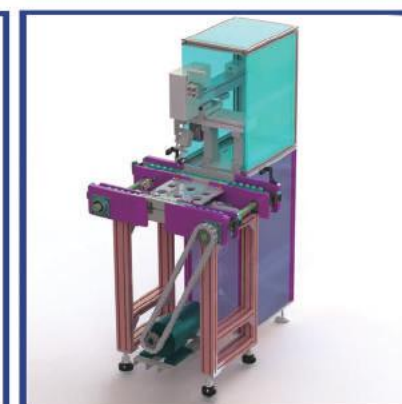
iron Tsui



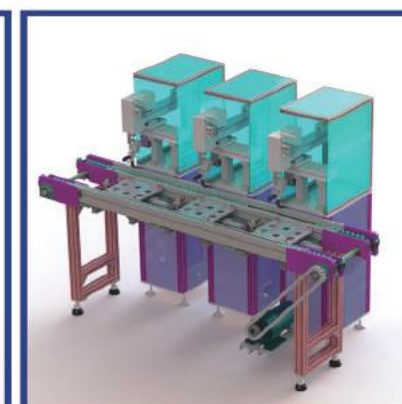
on-line soldering machine



dual desktop soldering machine



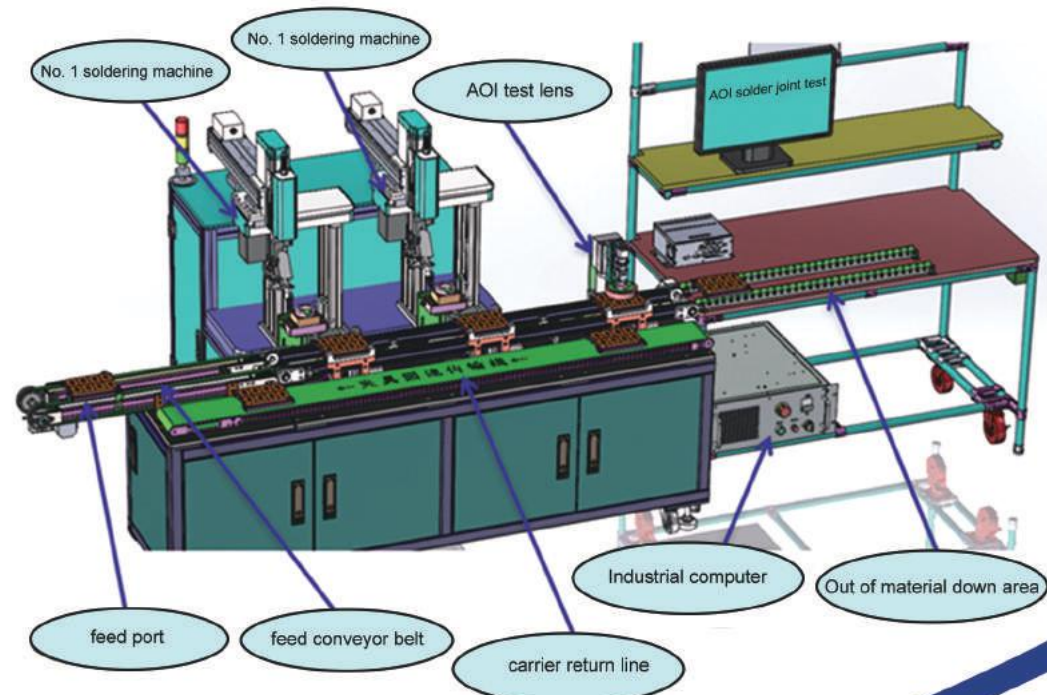
double desktop standard  
soldering machine



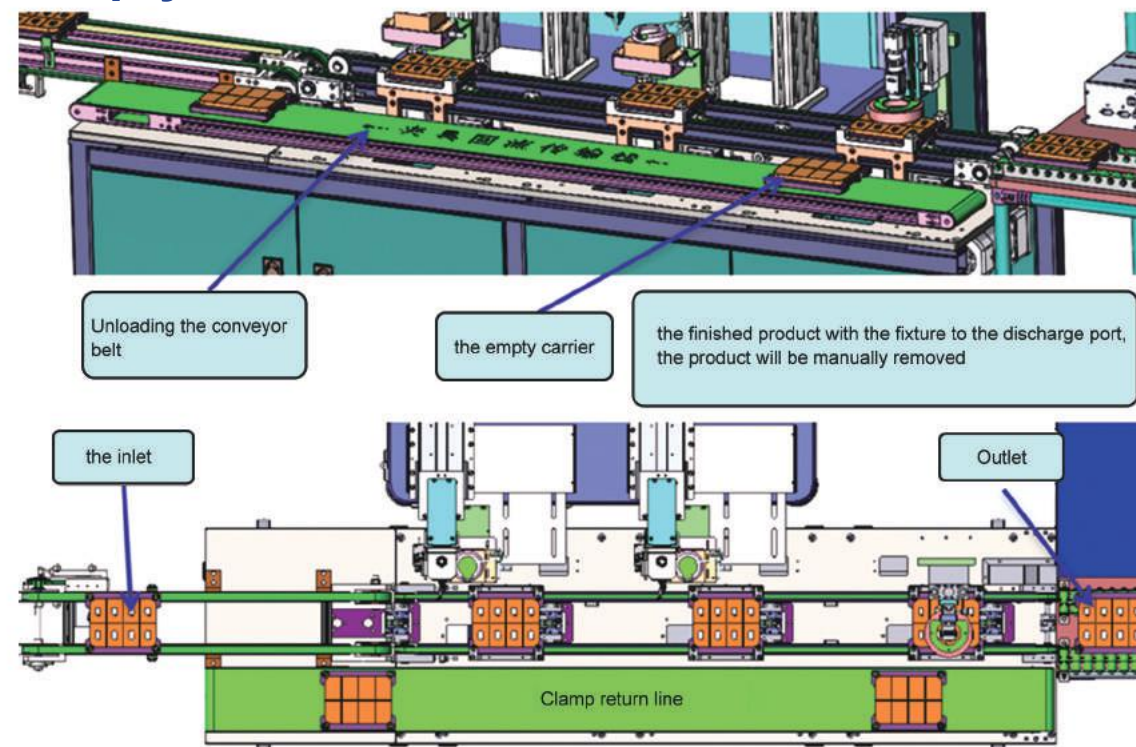
on-line soldering machine  
with line body



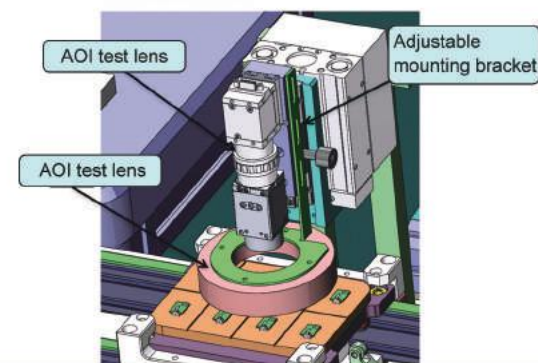
## Customized on-line soldering machine case



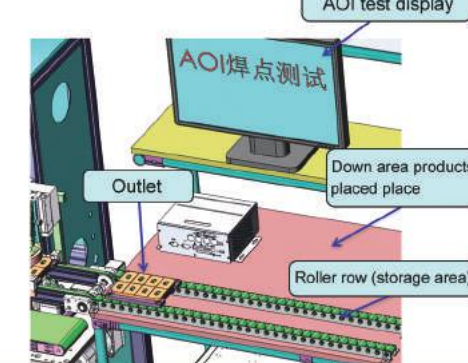
## Empty vehicle return



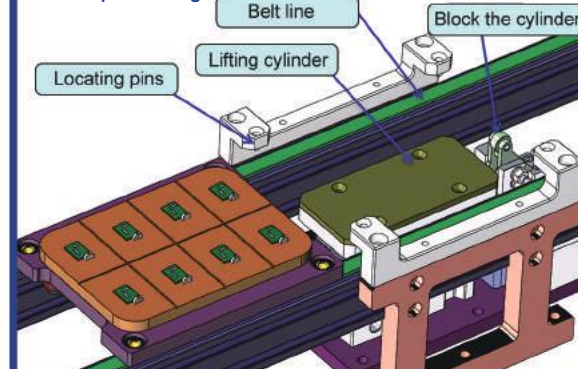
### AOI solder joint test



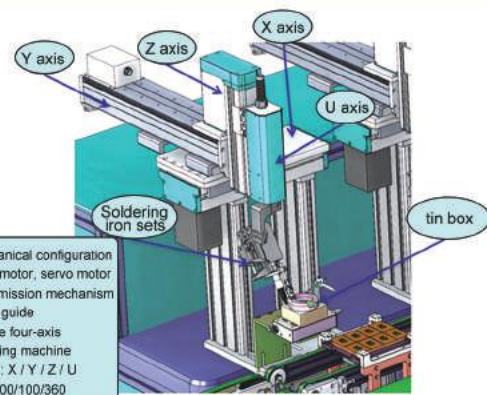
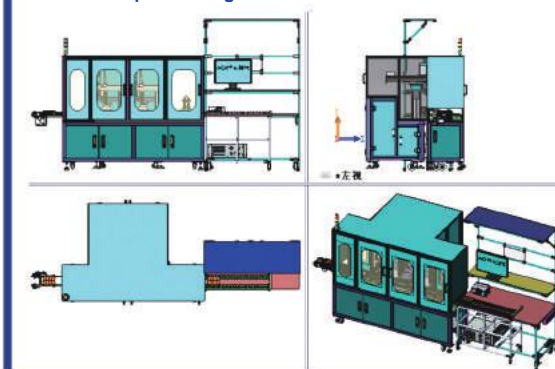
### Outlet



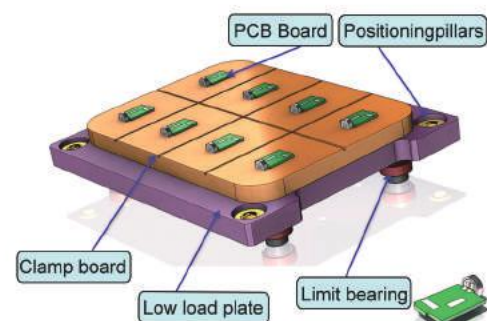
### Carrier positioning



### Carrier positioning



Four - axis desktop standard soldering robot



Soldering vehicle



# Applications

## Robot solder, automatic soldering

Many of our systems can be used for components that are sensitive to temperature changes in SMT post-solder, such as harnesses, wires, connectors, LED components, stand-alone components, and so on.



Clutch parts



miniature switch



PCB ceramic parts



substrate and parts fixed



GPS circuit board



high brightness LED



format miniature parts



wire welding



90 degree corner welding



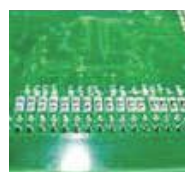
FPCB parts welding



precision spot welding



miniature bracket



Welding



circuit board micro switch



miniature connector



cable welding



all kinds of micro parts



PIN foot welding



wire welding FPCB



wire welding FPCB



buzzer connector



FPCB welding



FPCB spot welding



soft plate welding



TAB pull weld

## Customized equipment applications

### Double rail automatic soldering machine



Double rail automatic soldering machine



Automatic supply of LED solder system



Multi-point automatic soldering machine

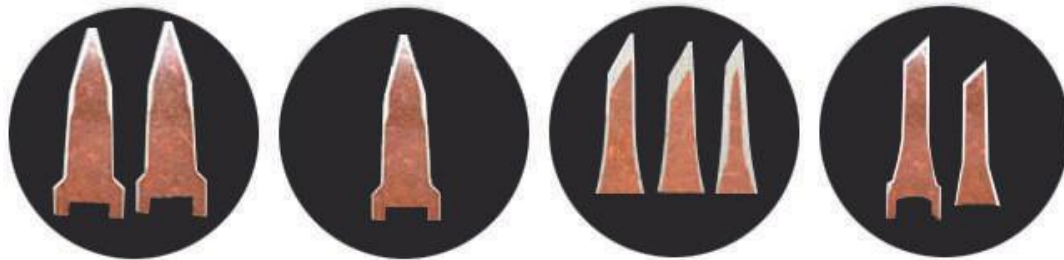




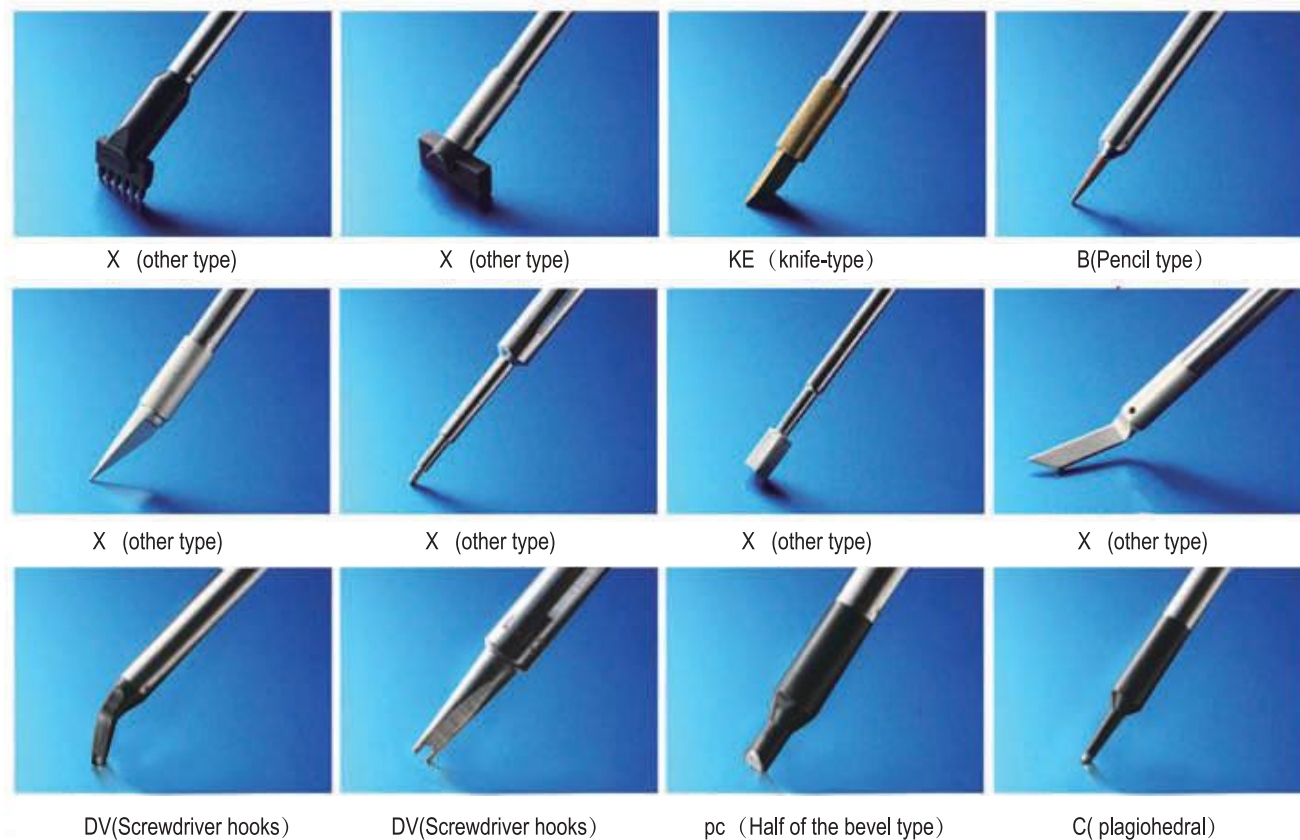
## Lead free soldering tip

### Soldering tip information

1. Main materials: copper, iron, tin
  2. Surface material: nickel, plated decorative chrome
- The sectional views of soldering tips iron plating



## Support OEM



1. Pure copper material

2. Material processing

3. Iron-plating

4. Precision machining

5. Solder treatment  
Protection treatment

6. hard chromium  
plating

7. Plated black chrome

8. Product inspection





## IBK Soldering Tip

K	Typr	a(mm)	b	c	d2s
	IBK-08K	3	0.8	0.3	0.8
	IBK-10K	3	1.0	0.3	0.8
	IBK-13K	4	1.3	0.5	1.5
	IBK-16K	4	1.6	0.6	1.5
	IBK-20K	4	2.0	0.7	1.5
	IBK-24K	4	2.4	0.8	1.5
	IBK-30K	5	3.0	1.0	3.0
K2	IBK-08K2	3	0.8	0.3	0.8
	IBK-10K2	3	1.0	0.3	0.8
	IBK-13K2	4	1.3	0.5	1.5
	IBK-16K2	4	1.6	0.6	1.5
	IBK-20K2	4	2.0	0.7	1.5
	IBK-24K2	4	2.4	0.8	1.5
	IBK-30K2	5	3.0	1.0	3.0
	IBK-40K2	5	4.0	1.0	3.0
UPL	IBK-16UPL	1.6	0.8	2.5	3.0
	IBK-22UPL	2.2	1.1	2.5	4.0
	IBK-30UPL	3.0	1.5	3.0	4.0
R	IBK-20R	2	2.0	0.6	6.0
	IBK-24R	2.4	2.4	0.6	6.0
	IBK-30R	3	3.0	0.6	6.4

C1	Typr	a(mm)	b	c	d2s
	IBK-10C1	3	1.0	0.4	1.0
	IBK-13C1	4	1.3	0.5	1.5
	IBK-16C1	4	1.6	0.6	1.5
	IBK-20C1	4	2.0	0.8	1.5
	IBK-24C1	4	2.4	0.8	1.5
	IBK-30C1	5	3.0	1.0	3.0
C2	IBK-10C2	3	1.0	0.4	1.0
	IBK-13C2	4	1.3	0.5	1.5
	IBK-16C2	4	1.6	0.6	1.5
	IBK-20C2	4	2.0	0.8	1.5
	IBK-24C2	4	2.4	0.8	1.5
	IBK-30C2	5	3.0	1.0	3.0
	IBK-40C2	5	4.0	1.0	3.0
M	IBK-10M	3	1.0	--	--
	IBK-13M	4	1.3	--	--
	IBK-16M	4	1.6	--	--
	IBK-20M	4	2.0	--	--
	IBK-24M	4	2.4	--	--
	IBK-30M	5	3.0	--	--
MC2	IBK-40M	5	4.0	--	--
	IBK-20MC2	4	2.0	--	--
	IBK-24MC2	4	2.4	--	--
	IBK-30MC2	5	3.0	--	--
	IBK-40MC2	5	4.0	--	--



# Apollo Soldering Tip

## product specifications

TS/DS/DN (旧款型号: DCS/TS/DCN)  
烙铁头

TM/DM(旧款型号: TM/DCM)  
烙铁头

PAD/PDS (Old Type : D)

	a(mm)	b	c	d All
** -08PAD03-E08	3	0.8	0.3	0.8
** -10PAD03-E08	3	1.0	0.3	0.8
** -13PAD05-E15	4	1.3	0.5	1.5
** -16PAD06-E15	4	1.6	0.6	1.5
** -20PAD07-E15	4	2.0	0.7	1.5
** -24PAD08-E15	4	2.4	0.8	1.5
** -30PAD10-E30	5	3.0	1.0	3.0
** -40PAD10-E30	5	4.0	1.0	3.0
** -50PDS-E40	5	5.0	1.3	4.0
** -60PDS-E40	6	6.0	1.3	4.0
** -80PDS-E50	8	8.0	1.6	5.0

PAD/PDS (Old Type : D-2)

	a(mm)	b	c	d2
** -08PAD03-B08	3	0.8	0.3	0.8
** -10PAD03-B08	3	1.0	0.3	0.8
** -13PAD05-B15	4	1.3	0.5	1.5
** -16PAD06-B15	4	1.6	0.6	1.5
** -20PAD07-B15	4	2.0	0.7	1.5
** -24PAD08-B15	4	2.4	0.8	1.5
** -30PAD10-B30	5	3.0	1.0	3.0
** -40PAD10-B30	5	4.0	1.0	3.0
** -50PDS-B40	5	5.0	1.3	4.0
** -60PDS-B40	6	6.0	1.3	4.0
** -80PDS-B50	8	8.0	1.6	5.0

PDZ (Old Type : DV2)

	a(mm)	b	c	d All
** -13PDZ08-EZ15	4	1.3	0.5	1.5
** -16PDZ12-EZ15	4	1.6	0.6	1.5
** -20PDZ14-EZ15	4	2.0	0.6	1.5
** -24PDZ16-EZ15	4	2.4	0.8	1.5
** -30PDZ20-EZ30	5	3.0	1.0	3.0
** -40PDZ24-EZ30	5	4.0	1.0	3.0
** -50PDZ35-EZ40	5	5.0	1.3	4.0

## GDV (Old Type : DV1)

	a(mm)	b	c	d All
** -10GDV07-EZ10	3	1.0	0.4	1.0
** -13GDV08-EZ15	4	1.3	0.5	1.5
** -16GDV10-EZ15	4	1.6	0.6	1.5
** -20GDV14-EZ15	4	2.0	0.8	1.5
** -24GDV14-EZ15	4	2.4	0.8	1.5
** -30GDV17-EZ30	5	3.0	1.0	3.0
** -40GDV17-EZ30	5	4.0	1.0	3.0
** -50GDV17-EZ40	5	5.0	1.3	4.0
** -60GDV23-EZ40	6	6.0	1.3	4.0

## GDV (Old Type : DV1-2)

	a(mm)	b	c	d2
** -10GDV07-BZ10	3	1.0	0.4	1.0
** -13GDV08-BZ15	4	1.3	0.5	1.5
** -16GDV10-BZ15	4	1.6	0.6	1.5
** -20GDV14-BZ15	4	2.0	0.8	1.5
** -24GDV14-BZ15	4	2.4	0.8	1.5
** -30GDV17-BZ30	5	3.0	1.0	3.0
** -40GDV17-BZ30	5	4.0	1.0	3.0
** -50GDV17-BZ40	5	5.0	1.3	4.0
** -60GDV23-BZ40	6	6.0	1.3	4.0
** -80GDV52-BZ50	8	8.0	1.6	5.0 V <sub>150°</sub>

## GAV (Old Type : BCV1)

	a(mm)	b	c	d All
** -20GAV14-EZ15	4	2.0	0.6	1.5
** -24GAV17-EZ20	4	2.4	0.8	2.0
** -30GAV21-EZ30	5	3.0	1.0	3.0
** -40GAV28-EZ30	5	4.0	1.0	3.0

## PCA/PCS (Old Type : PC)

	a(mm)	b	c	d2
** -10PCA-B	3	1.0	—	—
** -13PCA-B	4	1.3	—	—
** -16PCA-B	4	1.6	—	—
** -20PCA-B	4	2.0	—	—
** -24PCA-B	4	2.4	—	—
** -30PCA-B	5	3.0	—	—
** -40PCA-B	5	4.0	—	—
** -50PCS-B	5	5.0	—	—
** -60PCS-B	6	6.0	—	—
** -80PCS-B	8	8.0	—	—

## PCZ (Old Type : PCV2)

	a(mm)	b	c	d2
** -20PCZ10-BZ	4	2.0	—	—
** -24PCZ12-BZ	4	2.4	—	—
** -30PCZ14-BZ	5	3.0	—	—
** -40PCZ16-BZ	5	4.0	—	—
** -50PCZ24-BZ	5	5.0	—	—



# Apollo Soldering Tip

## product specifications

MB/DB(旧款型号: TMB/DCMB)  
烙铁头

TS/SB(旧款型号: TSB/DCSB)  
烙铁头

PAD  
(Old Type : B-D-2)

	a(mm)	b	c	d
*B-16PAD06-B20	7	1.6	0.6	1.0
*B-20PAD07-B20	7	2.0	0.7	2.0
*B-24PAD08-B20	7	2.4	0.8	2.0
*B-30PAD10-B30	8	3.0	1.0	3.0
*B-40PAD10-B30	8	4.0	1.0	3.0
*B-50PAD10-B30	8	5.0	1.0	3.0

GDV  
(Old Type : B-DV1-2)

	a(mm)	b	c	d
*B-16GDV10-BZ20	7	1.6	0.5	2.5
*B-20GDV12-BZ20	7	2.0	0.6	3.0
*B-24GDV14-BZ20	7	2.4	0.8	3.0
*B-30GDV17-BZ30	8	3.0	1.0	3.0
*B-40GDV17-BZ30	8	4.0	1.0	3.0
*B-50GDV23-BZ30	8	5.0	1.2	3.0

PCA  
(Old Type : B-PC)

	a(mm)	b	c	d
*B-24PCA-B	8	2.4	—	—
*B-30PCA-B	8	3.0	—	—
*B-40PCA-B	8	4.0	—	—

KAA  
(Old Type : B-FPR)

	a(mm)	b	c	d
*B-16KAA45-B10	8	3.4	1.6	—
*B-24KAA45-B10	8	4.0	2.4	—
*B-30KAA45-B10	8	4.5	3.0	—
*B-40KAA45-B10	8	5.5	4.0	—

RDD (Old Type : R)

	a(mm)	b	c	d
** -20RDD-B20	2.0	2.0	0.6	6.0
** -24RDD-B20	2.4	2.4	0.6	6.0
** -30RDD-B20	3.0	3.0	0.6	6.4
** -40RDD-B20	4.0	4.0	0.9	7.0
** -50RDD-B20	5.0	5.0	1.3	8.0

KAA (Old Type : FPR)

	a(mm)	b	c	—
** -16KAA45-B	6.0	3.4	1.6	—
** -20KAA45-B	6.0	3.4	2.0	—
** -24KAA45-B	6.0	4.0	2.4	—
** -30KAA45-B	6.0	4.5	3.0	—
** -40KAA45-B	6.0	5.5	4.0	—
** -50K45AS-A	6.0	6.0	5.0	—

RDD (Old Type : R)

	a(mm)	b	c	d
** -20RDD-B20	2.0	2.0	0.6	6.0
** -24RDD-B20	2.4	2.4	0.6	6.0
** -30RDD-B20	3.0	3.0	0.6	6.4
** -40RDD-B20	4.0	4.0	0.9	7.0
** -50RDD-B20	5.0	5.0	1.3	8.0

PAH (Old Type : UP)

	a(mm)	b	c	d
** -14PAH08-F-AZ	1.4	0.8	1.6	7.5
** -20PAH13-F-AZ	2.0	1.3	2.5	9.0
** -26PAH18-F-AZ	2.6	1.8	2.5	10.9
** -32PAH22-F-AZ	3.2	2.2	3.0	10.9
** -40PAH30-F-AZ	4.0	3.0	3.0	13.5

PSW (Old Type : UPL)

	a(mm)	b	c	d
** -16PSW08-F-AZ	1.6	0.8	2.5	3.0
** -22PSW11-F-AZ	2.2	1.1	2.5	4.0
** -30PSW15-F-AZ	3.0	1.5	3.0	4.0

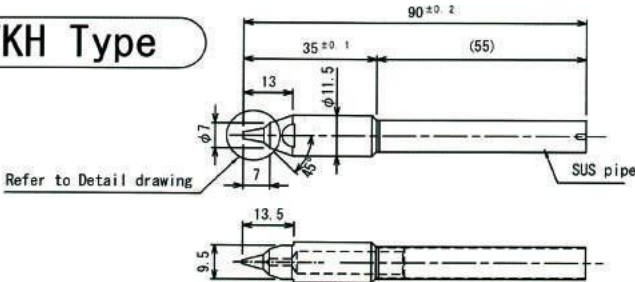


# Tsutsumi Soldering Tip

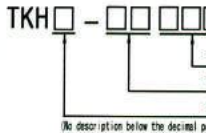


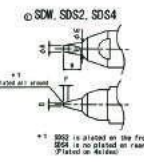
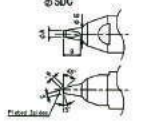
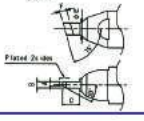
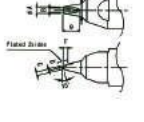
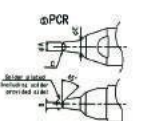
- 1. The temperature sensor goes deep to the edge of the soldering iron head.Quickly detect the temperature of the solder, To lower the temperature in the welding process, and extend the life of solder head.
- 2.The heater power is as high as 70-100 watts
- 3. Have more heat storage capacity than other welding heads in the market, and provide enough heat for welding.When replacing the soldering iron head, the anvil holder is more replaceable and the design avoids the position deviation.
- 4. The unique temperature management design can reduce overheating and have the forced heating function, thus making the low-temperature welding more effective.

TKH Type



Desription



Detail Drawings	*3	*2	A	B	C	D	*1 E	F Plating length
 ① SDW ① SDS2 ① SDS4	SDW	08	0.8	0.5	—	—	4	1.0
		13	1.3	0.8	—	—	4	1.5
		16	1.6	1.0	—	—	4	2.0
		20	2.0	1.0	—	—	4	2.0
		25	2.5	1.3	—	—	5	2.0
		30	3.0	1.3	—	—	5	2.5
		40	4.0	1.3	—	—	5	3.0
		50	5.0	1.5	—	—	6	3.0
	SDS2	60	6.0	1.5	—	—	6	3.0
		10	1.0	0.7	—	—	4	1.0 2sides
		13	1.3	0.8	—	—	4	1.5 2sides
		16	1.6	1.0	—	—	4	2.0 2sides
		20	2.0	1.0	—	—	4	2.0 2sides
		25	2.5	1.3	—	—	5	2.0 2sides
		30	3.0	1.3	—	—	5	2.5 2sides
		40	4.0	1.3	—	—	5	3.0 2sides
	SDS4	50	5.0	1.5	—	—	6	3.0 2sides
		60	6.0	1.5	—	—	6	3.0 2sides
		20	2.0	1.0	—	—	4	2.0 4sides
		25	2.5	1.3	—	—	5	2.0 4sides
		30	3.0	1.3	—	—	5	2.5 4sides
		40	4.0	1.3	—	—	5	3.0 4sides
		50	5.0	1.5	—	—	6	3.0 4sides
		60	6.0	1.5	—	—	6	3.0 4sides
 ② SDC	SDC	08	0.8	0.5	0.45	—	4	2sides
		13	1.3	0.8	0.72	—	4	2sides
		16	1.6	0.8	0.88	—	4	2sides
		20	2.0	1.0	1.1	—	4	2sides
		25	2.5	1.2	1.38	—	5	2sides
		30	3.0	1.4	1.63	—	5	2sides
		40	4.0	2.0	2.12	—	5	2sides
		50	5.0	2.5	2.65	—	6	2sides
 ③ SMD	SMD	60	6.0	3.0	3.11	—	6	2sides
		08	0.8	2.0	5.0	—	4	1.0
		13	1.3	2.0	5.0	—	4	1.5
		16	1.6	2.0	5.0	—	4	1.5
		20	2.0	2.0	5.0	—	5	2.0
		25	2.5	2.5	5.5	—	5	2.0
 ④ SDG	SDG	13	1.3	0.9	0.9	0.25	4	1.5
		16	1.6	1.0	1.12	0.3	4	2.0
		20	2.0	1.3	1.12	0.4	4	2.0
		25	2.5	1.7	1.56	0.5	5	2.0
		30	3.0	2.0	1.71	0.6	5	2.5
		40	4.0	3.0	1.71	0.7	5	3.0
		50	5.0	3.8	2.31	0.9	6	3.0
		60	6.0	3.8	2.31	0.9	6	3.0
 ⑤ PCR	PCR	08	0.8	0.8	0.2	—	4	
		13	1.3	1.3	0.3	—	4	
		16	1.6	1.5	0.3	—	4	
		20	2.0	1.7	0.3	—	4	
		25	2.5	2.0	0.3	—	5	
		30	3.0	2.5	0.4	—	5	
		40	4.0	3.3	0.5	—	5	
		50	5.0	4.0	0.5	—	6	
		60	6.0	4.5	0.5	—	7	



## UNIX Soldering Tip

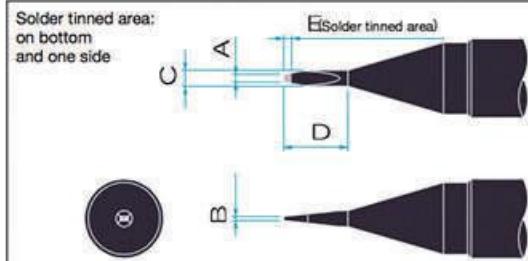
1. Specially designed high heat capacity welding tip, uniform coating, long using life.
2. Variety, according to the customer's products, customized the best tip to meet the actual demand.



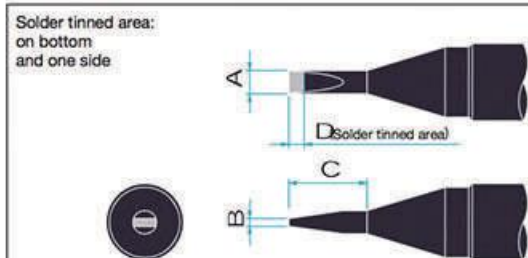
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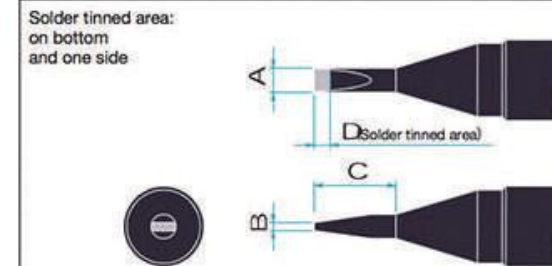
P3D-N P4D-N P2PC-S P3PC-S P5PC-S P6PC-S P9PC-S P12DVAY P15DCN-R P125BCPC



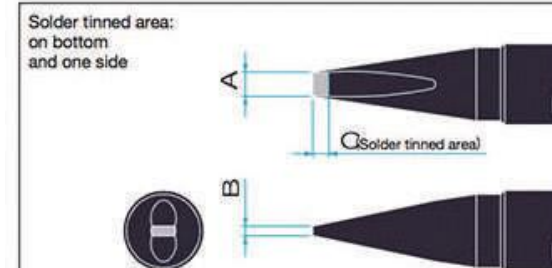
Product Name	A	B	C	D	E
P2D-N	φ1	0.5mm	φ2	8mm	1mm
P3D-N	φ1.5	0.5mm	φ3	10mm	1mm
P4D-N	φ2.5	1.0mm	φ4	12mm	2mm



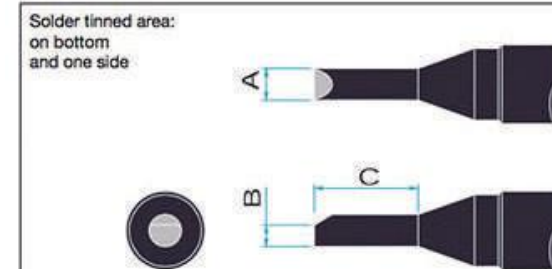
Product Name	A	B	C	D
P2D-S	φ2	0.5mm	8mm	2mm
P25D-S	φ2.5	0.8mm	9mm	2mm
P3D-S	φ3	1mm	10mm	2mm
P4D-S	φ4	1mm	13mm	2mm
P5D-S	φ5	1mm	15mm	3mm
P6D-S	φ6	1.1mm	18.5mm	3mm



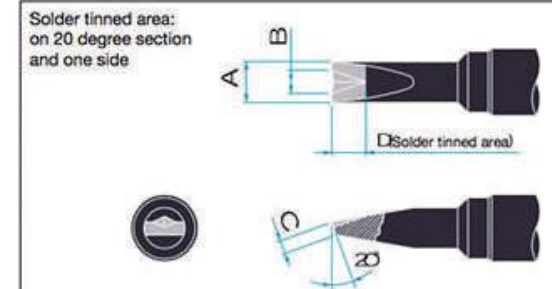
Product Name	A	B	C	D
P2D-S	φ2	0.5mm	8mm	2mm
P25D-S	φ2.5	0.8mm	9mm	2mm
P3D-S	φ3	1mm	10mm	2mm
P4D-S	φ4	1mm	13mm	2mm
P5D-S	φ5	1mm	15mm	3mm
P6D-S	φ6	1.1mm	18.5mm	3mm



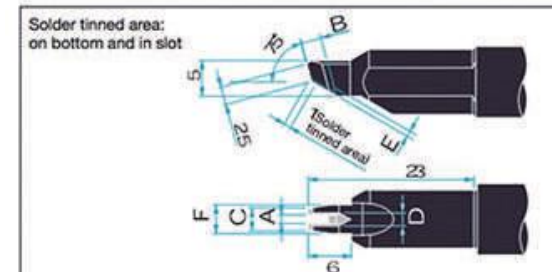
Product Name	A	B	C
P2D-R	φ2	1mm	2mm
P25D-R	φ2.5	1.1mm	2mm
P3D-R	φ3	1.2mm	2mm
P4D-R	φ4	1.5mm	3mm
P5D-R	φ5	1.5mm	3mm
P6D-R	φ6	2mm	3mm



Product Name	A	B	C
P3PC-S	φ3	2mm	10mm
P4PC-S	φ4	2.7mm	13mm
P6PC-S	φ6	4mm	18.5mm
P9PC-S	φ9	5.5mm	23mm



Product Name	A	B	C	D
P12DVAP	φ2	1.2mm	1.5mm	3mm
P13DVAP	φ3	2.2mm	1.5mm	3mm
P16DVAP	φ6	3.5mm	2mm	5mm



型号	A	B	C	D	E	F
P6V08-18	0.8mm	1.8mm	2mm	1.4mm	0.8mm	3.2mm
P1V08-18	0.8mm	1.8mm	2.8mm	1.4mm	0.7mm	4mm
P1V10-20	1mm	2mm	3mm	1.6mm	0.8mm	4mm
P1V10-23	1mm	2.3mm	3mm	1.6mm	0.8mm	4mm
P1V12-23	1.2mm	2.3mm	3.2mm	1.8mm	0.9mm	4mm
P1V12-28	1.2mm	2.8mm	3.2mm	1.8mm	0.9mm	4mm

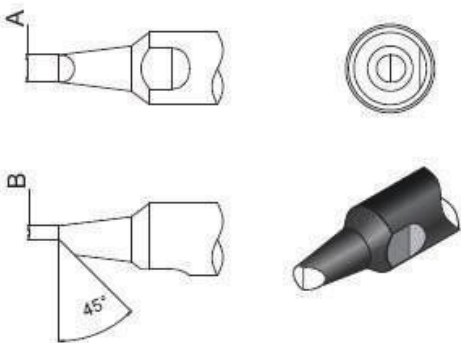


# QUICK Soldering Tip

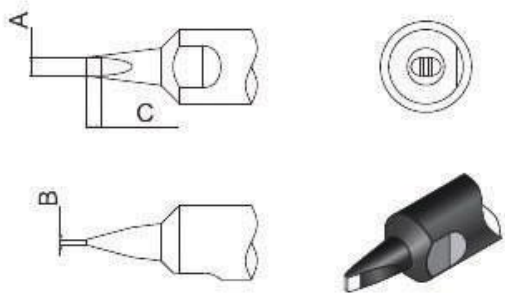
- 1. Specially designed high heat capacity welding tip, uniform coating, long using life.
- 2. Variety, according to the customer's products, customized the best tip to meet the actual demand.



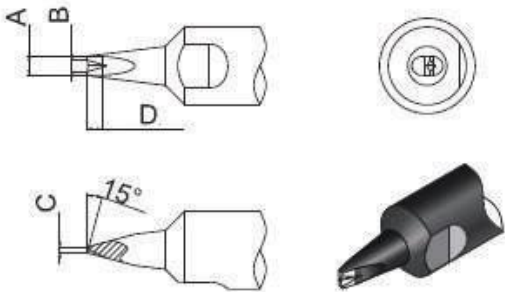
Quick 910,911,911B,911G series replaceable joint



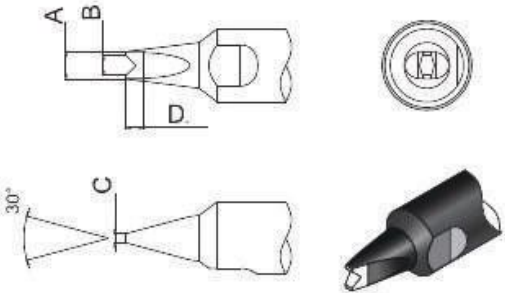
PC		
	A	B
*** - 10PC	ø1.0	0.5
*** - 13PC	ø1.3	0.65
*** - 16PC	ø1.6	0.8
*** - 20PC	ø2.0	1
*** - 24PC	ø2.4	1.2
*** - 30PC	ø3.0	1.5
*** - 40PC	ø4.0	2



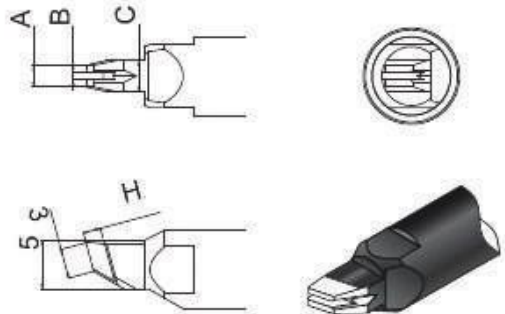
D			
	A	B	C
*** - 16D	ø1.6	0.6	1.5
*** - 20D	ø2.0	0.8	1.5
*** - 24D	ø2.4	0.8	1.5
*** - 30D	ø3.0	1	2
*** - 40D	ø4.0	1.2	2.5



DV1				
	A	B	C	D
**** - 16DV1	ø1.6	1	0.6	1.5
*** - 20DV1	ø2.0	1.2	0.8	1.5
*** - 24DV1	ø2.4	1.4	0.8	1.5
*** - 30DV1	ø3.0	1.6	1	2
*** - 40DV1	ø4.0	2	1.2	2.5



DV2				
	A	B	C	D
*** - 16DV2	ø1.6	1	0.6	1.5
*** - 20DV2	ø2.0	1.2	0.8	1.5
*** - 24DV2	ø2.4	1.4	0.8	1.5
*** - 30DV2	ø3.0	2.2	1	2
*** - 40DV2	ø4.0	3	1.2	2.5



N				
	A	B	C	H
*** - 22N08H18	2.2	0.8	3.2	1.8
*** - 28N08H15	2.8	0.8	3.6	1.5
*** - 30N10H20	3.0	1	4	2
*** - 32N12H23	3.2	1.2	4	2.3
*** - 32N12H28	3.2	1.2	4	2.8

# Hakko Soldering Tip

1. Specially designed high heat capacity welding tip, uniform coating, long using life.
2. Variety, according to the customer's products, customized the best tip to meet the actual demand.

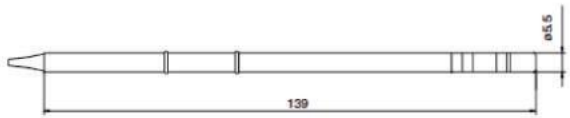
## Replacement Tips

Unit : mm

900S, 900S-ESD				Tip Out Dia.ø5.8mm
900S-T-B Shape-B	900S-T-1C Shape-1C	900S-T-2C Shape-2C	900S-T-1.2D Shape-1.2D	
900S-T-1.6D Shape-1.6D	900S-T-I Shape-I			
900M-ESD, 907, 907-ESD, 933				Tip Out Dia.ø6.5mm
900M-T-B Shape-B	900M-T-0.5C Shape-0.5C	900M-T-0.8C Shape-0.8C	900M-T-1C Shape-1C	
900M-T-1.5CF* Shape-1.5C	900M-T-2C Shape-2C	900M-T-3C Shape-3C	900M-T-4C Shape-4C	
900M-T-0.8D Shape-0.8D	900M-T-1.2D Shape-1.2D	900M-T-1.6D Shape-1.6D	900M-T-2.4D Shape-2.4D	
900M-T-3.2D Shape-3.2D	900M-T-H Shape-H	900M-T-1.8H Shape-1.8H	900M-T-I Shape-I	
900M-T-K Shape-K	900M-T-LB Shape-LB	900M-T-1.2LD Shape-1.2LD	900M-T-2LD Shape-2LD	
900M-T-R Shape-R	900M-T-RT Shape-RT	900M-T-S3 Shape-S3	900M-T-S4 Shape-S4	
900M-T-SB Shape-SB	900M-T-SI Shape-SI			
900L-ESD, 908, 908-ESD, 934				Tip Out Dia.ø8.5mm
900L-T-B Shape-B	900L-T-2B Shape-2B	900L-T-2C Shape-2C	900L-T-3C Shape-3C	
900L-T-4C Shape-4C	900L-T-5C Shape-5C	900L-T-2.4D Shape-2.4D	900L-T-3.2D Shape-3.2D	
900L-T-I Shape-I	900L-T-K Shape-K	900L-T-S1 Shape-S1		

\* These tips are tinned on the soldering surface only.

## T12 series soldering iron head

				
SHAPE B	T12-B Shape-B	T12-B2 Shape-0.5B	T12-B3 Shape-0.7B	T12-B4 Shape-0.4B
	T12-BL Shape-BL			
SHAPE BC	T12-BC1 Shape-1BC	T12-BC2 Shape-2BC	T12-BC3 Shape-3BC	
	T12-BCF1*	T12-BCF2*	T12-BCF3*	
SHAPE C	T12-C08 Shape-0.8C	T12-C1 Shape-1C	T12-C4 Shape-4C	
	T12-CF1*	T12-CF2*	T12-CF3*	
SHAPE D	T12-D08 Shape-0.8D	T12-D12 Shape-1.2D	T12-D16 Shape-1.6D	T12-D24 Shape-2.4D
	T12-D4 Shape-4D	T12-D52 Shape-5.2D	T12-DL08 Shape-0.8DL	T12-DL12 Shape-1.2DL
SHAPE I	T12-DL32 Shape-3.2DL	T12-DL52 Shape-5.2DL		
	T12-I Shape-I	T12-IL Shape-IL	T12-ILS Shape-ILS	
SHAPE J	T12-J02 Shape-0.2J	T12-JL02 Shape-0.2JL	T12-JS02 Shape-0.2JS	
	T12-K Shape-K	T12-KF Shape-KF	T12-KL Shape-KL	T12-KR Shape-KR
SHAPE K	T12-KU Shape-KU			



# Weller Soldering Tip

- 1. Specially designed high heat capacity welding tip, uniform coating, long using life.
- 2. Variety, according to the customer's products, customized the best tip to meet the actual demand.

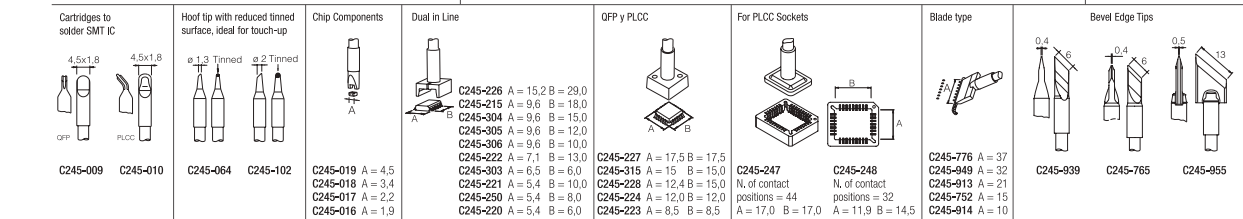
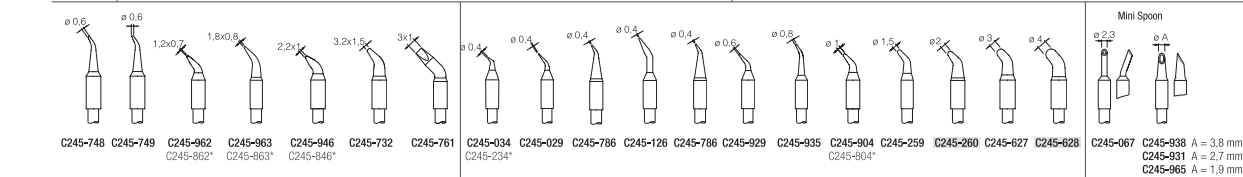
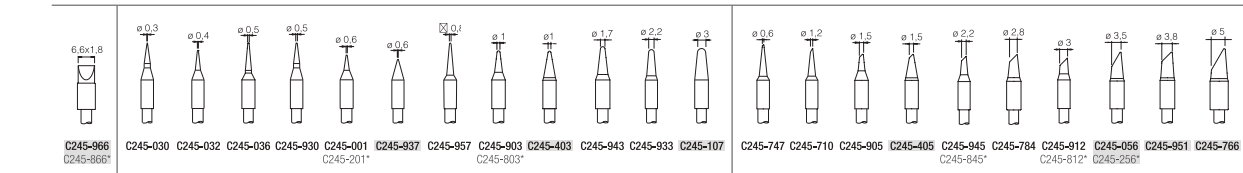
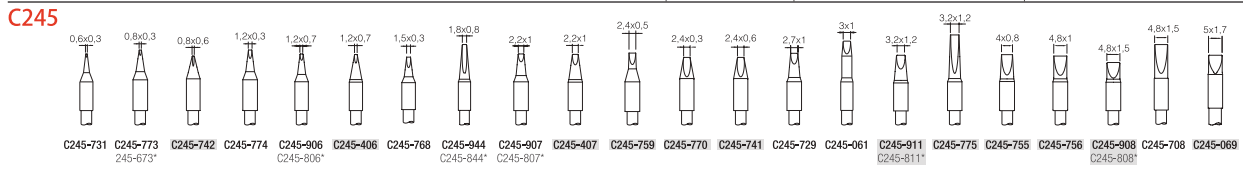
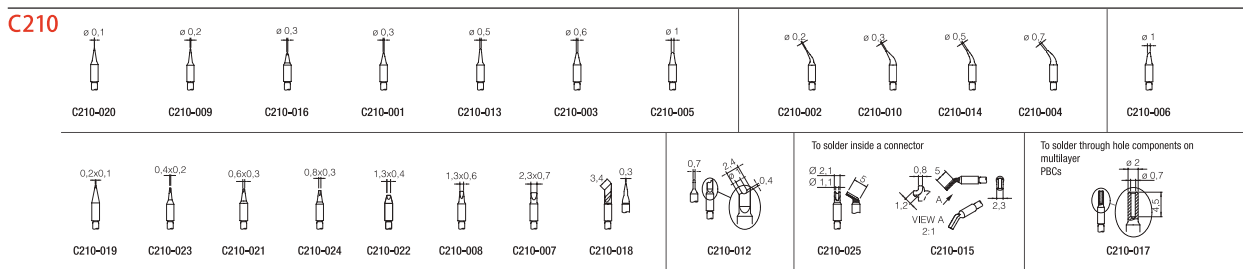
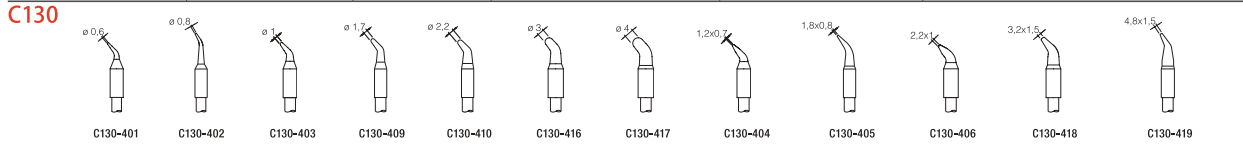
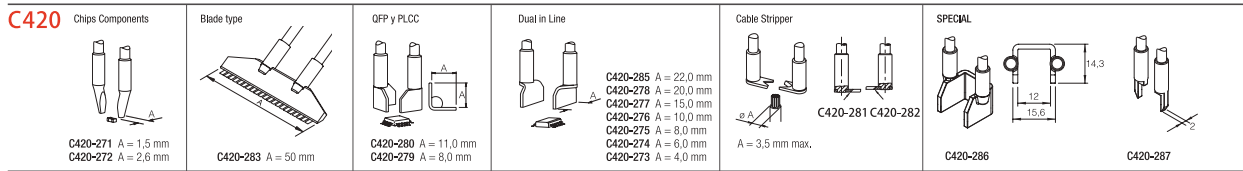
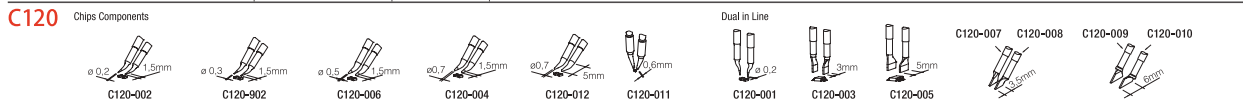
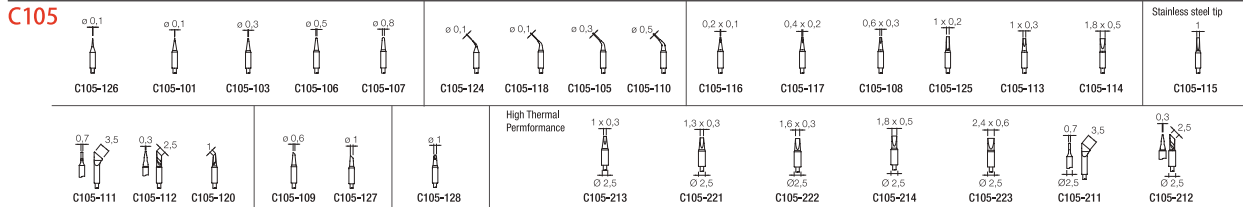


## product specifications

Picture	Model	Description	Width A	Width B	Maximum Length L	Suitable Soldering Iron
	T0054443599	LT1 Round, Soldering Tip 0.25mm	Φ0.25mm		14.0mm	PCC, WP80, WSP80, FE75, MPR80
	T0054447100	LT AS LF soldering tip, 1.6mm	Φ1.6mm		13.5mm	PCC, WP80, WSP80, FE75, MPR80
	T0054447400	LT CS LF round soldering tip, 3.2mm	Φ3.2mm		13.5mm	PCC, WP80, WSP80, FE75, MPR80
	T0054441100	LTCs soldering tip, 3.2mm	Φ3.2mm		13.5mm	PCC, WP80, WSP80, FE75, MPR80
	T0054442399	LT 1L Conical Soldering Tip	Φ0.2mm		26.4mm	PCC, WP80, WSP80, FE75, MPR80
	T0054449421	LT 1L Conical soldering Tip 0.5mm	Φ0.5mm		26.4mm	PCC, WP80, WSP80, FE75, MPR80
	T0054440699	LT S Soldering Tip 0.4mm	Φ0.4mm		21mm	PCC, WP80, WSP80, FE75, MPR80
	T0054448200	LT T Soldering Tip 0.6mm	Φ0.6mm		13mm	PCC, WP80, WSP80, FE75, MPR80
	T0054442499	LT 1LX Conical Bent Soldering Tip	Φ0.2mm		26.4mm	PCC, WP80, WSP80, FE75, MPR80
N/A	T0054442471	LT 18XL Soldering Tip Bent				PCC, WP80, WSP80, FE75, MPR80
	T0054443699	LT 1S Thin Round Soldering Tip, 0.2mm	Φ0.2mm		15mm	PCC, WP80, WSP80, FE75, MPR80

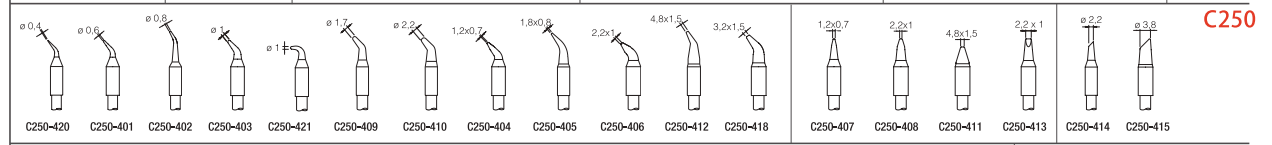
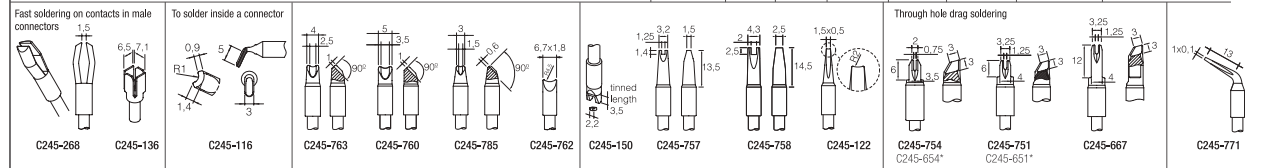
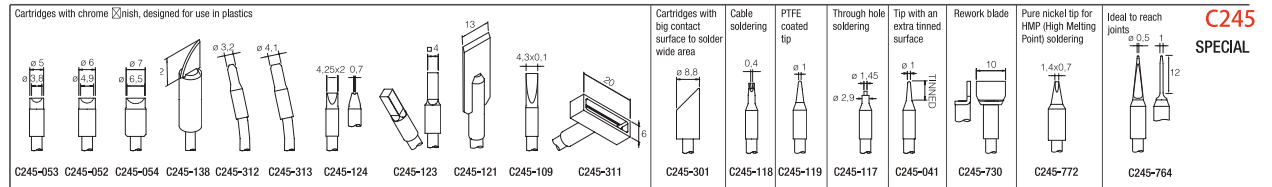
	T0054442699	LT 1SLX Thin round 30° bent Soldering Tip, 0.4mm	Φ2.0mm	Φ0.4mm	20.5mm	PCC, WP80, WSP80, FE75, MPR80
	T0054440872	LT 22CP Soldering Tip SK1117D	Φ2.0mm		20mm	PCC, WP80, WSP80, FE75, MPR80
	T0054440876	LT 33CP Soldering Tip SK1117E	Φ3.0mm		20mm	PCC, WP80, WSP80, FE75, MPR80
N/A	T0054439014	LT 22S, 45° gradient soldering tip	Φ2.0mm		13.2mm	PCC, WP80, WSP80, FE75, MPR80
	T0054442100	LT 4 Thin Round, 45° gradient soldering tip	Φ1.2mm		15mm	PCC, WP80, WSP80, FE75, MPR80
	T0054439009	LT 4CP thin round, orthodrome interim	Φ1.2mm		15mm	PCC, WP80, WSP80, FE75, MPR80
	T0054440878	LT 44CP Soldering Tip SK1117C				PCC, WP80, WSP80, FE75, MPR80
	T0054442800	LT 4X soldering tip 1.2mm	Φ1.2mm	0.4mm	16.5mm	PCC, WP80, WSP80, FE75, MPR80
	T0054447000	LT A LF chisel soldering tip, 1.6mm	Φ1.6mm	0.7mm	13.5mm	PCC, WP80, WSP80, FE75, MPR80

	T0054440300	LT A soldering tip, 1.6mm	1.6mm	0.7mm	13.5mm	PCC, WP80, WSP80, FE75, MPR80
	T0054443799	LT H soldering tip 0.6mm	0.8mm	0.4mm	13.5mm	PCC, WP80, WSP80, FE75, MPR80
	T0054444600	LT B LF soldering tip Chisel, 2.4mm	2.4mm	0.8mm	13.5mm	PCC, WP80, WSP80, FE75, MPR80
	T0054440500	LT B chisel soldering tip 2.4mm	2.4mm	0.8mm	13.5mm	PCC, WP80, WSP80, FE75, MPR80
	T0054444700	LT C LF soldering tip Chisel, 4.6mm	3.2mm	0.8mm	13.5mm	PCC, WP80, WSP80, FE75, MPR80
	T0054440900	LT D soldering tip Chisel, 4.6mm	4.6mm	0.8mm	13.5mm	PCC, WP80, WSP80, FE75, MPR80
	T0054442599	LT 1X soldering tip, Thin round 30° bent, 0.4mm	Φ0.4mm		12.5mm	PCC, WP80, WSP80, FE75, MPR80
	T0054448000	LT AX LF soldering tip 3.2mm	Φ1.6mm	0.8mm	13.5mm	PCC, WP80, WSP80, FE75, MPR80
	T0054446900	LT MX soldering tip 3.2mm	Φ3.2mm	0.8mm	19.3mm	PCC, WP80, WSP80, FE75, MPR80
	T0054448400	LT BB soldering tip 45°, 2.4mm	2.4mm	4.0mm	18mm	PCC, WP80, WSP80, FE75, MPR80
	T0054447200	LT BB LF soldering tip 60°, 2.4mm	2.4mm	4.0mm	18mm	PCC, WP80, WSP80, FE75, MPR80
	T0054448500	LT CC soldering tip 45°, 3.2mm	3.2mm	6.0mm	18mm	PCC, WP80, WSP80, FE75, MPR80



## Cartridge Map

Visit our website to see the full range [www.jbctools.com](http://www.jbctools.com)





# HANDIF

## GSC-80 Tape dispenser

Tape length : 20 – 999mm  
Tape width : 20-80mm  
Tape maximum diameter : 300mm  
Speed : 72pcs/min.  
Dimension 260(W)\*230(D)\*150(H)mm



## M-1000 Tape dispenser

Cutting length : 20– 999 mm  
Tape width : 7 – 50 mm  
Tape maximum diameter : 180mm  
Tape maximum thickness : 0.05 – 0.3 mm  
Dimension 137(W)\*218(D)\*150(H)mm



### RT-7000 Tape dispenser

Tape length : 5 – 999mm  
Tape width : 6-60mm  
Tape maximum diameter : 300mm  
Tape transfer speed:200mm/sec  
Dimension 116(W)\*140(H)\*213(D)mm



### AT-55 Tape dispenser

Tape length : 5 – 999mm  
Tape width : 6 – 55mm  
Tape maximum diameter : 300mm  
Tape transfer speed : 200mm/sec  
Dimension 188(W)\*140(D)\*139(H)mm

### ZCUT-2 Tape dispenser

Tape length : 11– 59 mm  
Tape width : 3 – 25 mm  
Tape maximum diameter : 130mm  
Speed:200mm/sec  
Dimension 126(W)\*150(D)\*258(H)mm





# Automatic Label Dispenser



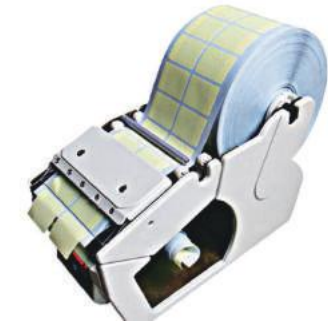
Willdone X-100 Automatic Label Dispenser

Dimensions	360(W)×174 (H)×280 ( D)mm
Feed Speed	80mm
Avaliable Lable Width	5-100mm
Roll Capacity	250mm in dia
Lable Material	Any material can be used



Willdone X-130 Automatic Label Dispenser

Dimensions	340(W)×174 (H)×280 ( D)mm
Feed Speed	80mm
Avaliable Lable Width	5-130mm
Roll Capacity	250mm in dia
Lable Material	Any material can be used



Willdone X-180 Automatic Label Dispenser

Dimensions	206(W)×174 (H)×280 ( D)mm
Feed Speed	130mm
Avaliable Lable Width	5-180mm
Roll Capacity	250mm in dia
Weight	6.2kg



Willdone 1150D Automatic Label Dispenser

Dimensions	210(W)×210 (H)×220 ( D)mm
Speed	1-8m/minute
Avaliable Lable Width	4-140mm
lable length	3-150mm
Diameter	Less 250mm
Weight	3.8kg



Type	IBK-200HD	IBK-300HD	IBK-400HD	IBK-500HD
Working range	200(X)×200×(Y)100(Z)	300(X)×300(Y)×100(Z)mm	400(X)×400(Y)×100(Z)mm	500(X)×500(Y)×100(Z)mm
Package Size	390(L)×424(W)×560(H)mm	490(L)×528(W)×679(H)mm	590(L)×628(W)×679(H)mm	690(L)×728(W)×679(H)mm
Maximum load Y/Z	7kg/3kg			
Maximum speed	400mm/sec(XY)/200mm/sec(Z)			
Shaft-driven bicycle	(Stepping motor + Belt + Precision linear guiderai)			
XYZ positioning accuracy	±0.03mm			
Program storage capacity	(999 parameter files (65535 points perfile)			
Operating system	(LCD panel /hand-held programmer)			
Motor system	(Japan precision stepping motor )			
Motion model	(3 axis point to point, continuous straight, circulararc)			
Extension IO	(4 Input/ 4 Output)			
Input power	AC220V 50/60Hz 0.5kw			
Working condition	(Temperature 0-40 °C, Relative temperature 20-90%			
Weight	25KG	35KG	45KG	55KG

XL series of lead-free digital display tin furnace



Features

- Control circuit using Omron PID intelligent control, dual digital display, intuitive and clear, high precision, High thermal sensitivity, fast return temperature, also fast temperature compensation.
- The soldering pot is made of imported military grade high quality titanium plate. In the long-term high temperature of 400 °C, with high temperature, corrosion resistance, acid resistance, non-stick tin, tin oxide and other characteristics, and all have SGS certification report, is the best choice for lead-free operation.
- Temperature control part of the use of high-performance microcomputer chip microcomputer control, the temperature error within 1 °C, constant temperature fast.
- Ceramic heating core and thermocouple are made of imported components in Japan, can quickly dissolve lead-free soldering, With less soldering low power consumption, energy saving, heating up fast, long using life, using Zhengtai air switch, to enhance the service life, to strengthen the line protection, more secure, more secure.

Technical Parameters

Input voltage	AC220V ± 10% AC110V ±10%(optional)
frequency	50Hz~60Hz
temperature range	0~600°C
working humidity	<90%RH
tin pot material	titanium





# Preheating platform



## Features

- Using microcomputer digital temperature display device, safe and easy to operate simple and convenient
- Using ceramic high-power heating core, durable, easy maintenance
- Using a large area of aluminum alloy, aluminum plate after anodized, with fast heating, corrosion resistance
- Corrosion, uniform heat, high efficiency (5-6 times the normal furnace) With constant temperature function, suitable for the electronics industry constant temperature heating;
- Types are: temperature control type and split two can also be customized according to customer requirements specifications.

## Technical Parameters

Input voltage	AC220V $\pm$ 10% AC110V $\pm$ 10%(optional)
Frequency	50Hz~60Hz
Temperature range	0~400°C
Operating humidity	<90%RH
Heating plate material	Aluminum alloy



## Spray furnace



### Features

- Using imported Danfoss nozzle, atomization effect is good, spray flux uniform and make the flux better lubrication to play.
- Save flux, free from volatile, reduce costs.Improve flux activity, improve soldering quality.Simple operation, you can step on the foot switch control. Coated flux is more uniform.
- Flux spray shell made of 1.2MM iron plate, iron surface coating high temperature paint.
- The principle of the spray furnace is the nozzle through the nozzle of the liquid fluxatomized into a small particle, coated on the circuit board surface, improve the quality of welding, saving more than half the amount of flux.

### Working environment parameters

Product Name	Semi-automatic single-head electronic flux spray pot
Models	XY-900
Specifications	280*220*220mm
Voltage Power	AC220V 50W
Dimensions	630*355*300
Spray caliber	1.3mm
Water spout	0-360m\min
The average width of	200mm height 200mm; 300mm height 320mm
Round blowing width of	200 high diameter 70mm; 300mm height 80mm
The average particle size is	100um
The distance from the nozzle is	20-30cm

## Soldering pot

Image	Sort	Model	Power	Melting Tin Quantity	Tin pot size	External Dimension
	Lead-free pure titanium XL circular soldering pot 0~ 600°C	XL-50	250W	0.6kg	Φ 50*40	266*145*120
		XL-80	400W	1.5kg	Φ 80*40	327*175*120
		XL-100	500W	2.0kg	Φ 100*40	327*175*120
	Lead-free pure titanium XL square soldering pot 0~ 600°C	XL-5555	300W	1.3kg	55*55*45	266*145*120
		XL-8080	400W	2.1kg	80*80*45	280*145*120
		XL-1070	500W	2.3kg	100*70*45	327*175*120
		XL-1010	700W	3.3kg	100*100*45	327*175*120
		XL-1510	1000W	4.9kg	150*100*45	400*205*120
		XL-2015	1500W	9.8kg	200*150*45	446*245*120
		XL-2516	1800W	12.3kg	250*160*45	536*295*120
		XL-2820	2000W	18.3kg	280*200*45	536*295*120
	Lead-free pure titanium Lead-free pure titanium 0~ 600°C	XL-3024	2500W	23kg	300*240*50	360*300*680
		XL-3525	3000W	31.8kg	350*250*50	410*310*680
		XL-4030	3500W	43.7kg	400*300*50	460*360*680
	Lead-free pure titanium XL separate soldering pot 0~ 600°C	XL-2080	1000W	5.8kg	200*80*45	420*120*110
		XL-2010	1200W	7.2kg	200*100*45	450*140*110
		XL-3080	1200W	7.3kg	300*80*45	490*120*110
		XL-3010	1500W	9.1kg	300*100*45	490*140*110
	XL warming platform 0~ 400°C	XY-7070	300W	-	70*70*15	266*145*115
		XY-1010	300W	-	100*100*15	266*145*115
		XY-1512	400W	-	150*120*15	397*150*115
		XY-2015	600W	-	200*150*15	397*175*115
		XY-3020	1000W	-	300*200*15	466*245*115
	Separate Platform 0~ 400°C	XY-2020	800W	-	200*200*15	200*200*120
		XY-4030	1500W	-	400*300*15	470*255*120
		XY-6020	2000W	-	600*200*15	670*200*120
	Lead-free table model jet soldering pot	XL-375	2000W	32kg	60*60	250*160*110mm
	Lead-free vertical jet soldering pot	XL-4500	4500W	70kg	250*200	550*380*680mm
	semi-automatic elevate soldering pot	XL-1111	4000W	65kg	400*300*90mm	675*625*550mm



# Soldering Station



QUICK 203H Soldering Station	
Power Consumption	90W
Output Voltage	220V/110V
Temperature Range	50-600°C
Temperature Stability	±3°C
Soldering Tip	200 Series
Weight	2.6Kg



QUICK 205 Soldering Station	
Power Consumption	150W
Output Voltage	220V/110V
Temperature Range	50-600°C
Temperature Stability	±3°C
Soldering Tip	200 Series
Weight	3.7Kg



Hakko FX951 Soldering Station	
Power Consumption	75W
Output Voltage	220V/110V
Temperature Range	200-450°C
Temperature Stability	±5°C
Soldering Tip	T12 Series
Weight	1.2Kg



Hakko FX888 Soldering Station	
Power Consumption	70W
Output Voltage	220V/110V
Temperature Range	200-480°C
Temperature Stability	±5°C
Soldering Tip	T18 Series
Weight	1.2Kg



Weller WD1000 Soldering Station	
Power Consumption	80W
Output Voltage	220V/110V
Temperature Range	50-450°C
Temperature Stability	±3°C
Soldering Tip	LT Series
Weight	2.5Kg



JBC CD-B Precision soldering station	
Power Consumption	140W
Output Voltage	220V/110V
Temperature Range	90-450°C
Temperature Stability	±3°C
Soldering Tip	C245 Series
Weight	2.2Kg



JBC HDE-B High power soldering station	
Power Consumption	250W
Output Voltage	220V/110V
Temperature Range	90-500°C
Temperature Stability	±3°C
Soldering Tip	C470 Series
Weight	4.2Kg



JBC NASE Nano rework welding station	
Power Consumption	90W
Output Voltage	220V/110V
Temperature Range	90-450°C
Temperature Stability	±3°C
Soldering Tip	C105 Series
Weight	1.8Kg

## Equipment Accessories



Apollo temperature controller



Weller temperature controller



Quick temperature controller



Heater element



Heater element



Heater element



Apollo soldering iron set



Weller soldering iron set



Quick soldering iron set



JBC Fume Extraction



OKI Fume Extraction



599B Fume Extraction



Solder Feeder



Solder Feeder



Solder Feeder



thermodetector



temperature sensor



sleeve



solder feed tube



solder feed tube



solder feed tube



Handle



Handle



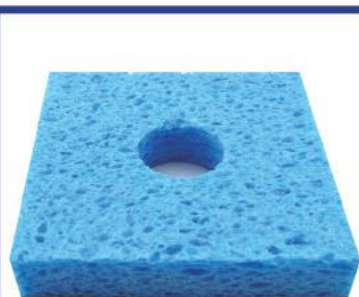
Handle



## Equipment Accessories



solder sponge



Square



after water



solder wires



solder wires



solder bar



Flux pen



Flux Paste



Flux Paste



soldering iron



soldering iron



soldering iron



Automatic Self-Feeder  
Soldering Station



Automatic Self-Feeder  
Soldering Station



Soldering Station



Screw feeder



Screw feeder



screw machine



Screw Driver



electric screwdriver



Belt



Tape dispenser



Hot Melt Glue Gun



solder sucker

# Electronics tools

- Magnifier
- Microscope
- Tweezers
- Cutting nipper
- Lighting LED
- Ballast
- Power supply
- Tool kit
- Screwdriver
- Wrench
- Calliper
- Transducer
- Electron magnetic valve
- Air cylinder
- Switch



Magnifier

Microscope





Tweezers



Cutting nipper



Tool kit



Screwdriver



Lighting LED



Wrench



Switch



Ballast



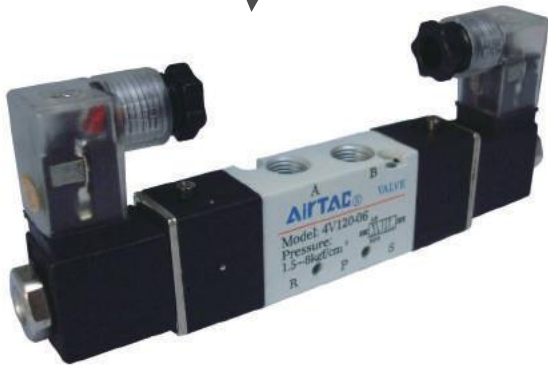
Power supply



Air cylinder



Electron magnetic valve





# Anti-static dust-free products

- Wrist bands
- Alcohol bottle
- Rosin bottle
- Anti-static rubber mat
- Anti-static bag
- Anti-static tape
- Tape dispenser
- Static electricity tester
- Static electricity suppressor
- Ionizing air blower
- Ionizing air snake
- Ionizing air gun
- Clean cloth
- Clean paper
- Hat
- Mask
- Gloves
- Finger stall
- Anti-static clothes
- Shoes
- Sticky mat
- Sticky roller



Wrist Band





Clean cloth



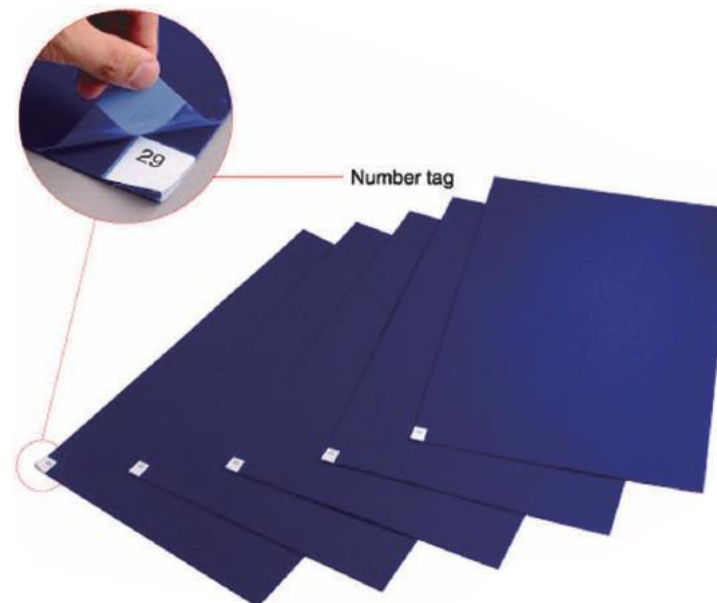
Shoes



Sticky roller



Sticky mat





Mask



Hat



Gloves



Finger stall ( Pink/Black/beige )

