



Performance Improvement on Shinkawa's Specific Models

Option for Improvement	Specifications
LCD Monitor Kit	CRT Monitor to LCD Monitor ↓ See the details on page 2
SD Card Support Kit	Floppy Disk to SD Card ↓ See the details on page 3
Nonsticking Detection Unit	Stop Bonding when nonsticking is detected. ↓ See the details on page 4
Copper Wire Kit	Controlling flow rate of N2 Gas prevent oxidation during bonding. ↓ See the details on page 5
EFU for various types of Wire	Electric Flame-off Unit EFU-50 for various types of Bonding Wire ↓ See the details on page 6
Wire Bonder OS:Windows Upgrade	Equipment OS Upgrade Windows XP to Windows7 ↓ See the details on page 7

The above are just examples. Please contact with us if you have any inquiries.

Please contact sales representatives for sales prices.

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LCD Monitor Kit for WIRE BONDER

Applicable Models:

- * UTC-200Super~400series
- * ACB-35Super/400series
- * SBB-310/410




Image



Image



Mounting image

Configuration of LCD Monitor Kit	
①15 inches LCD Monitor	
②Signal Cable	
③Video Converter	
④Coaxial Conversion Pin Jack	
⑤AC Adaptor	
⑥Mounting Board (Need to make holes to mount the monitor)	

☆ Easy to change from CRT monitor to LCD monitor!

- CRT monitor no longer display even though the wire bonder is still functional.
- Do you have such trouble as above? LCD Monitor Kit can solve such trouble easily for you.

☆ Detailed specifications

- We can sell conversion kit itself without a monitor.
- Modification and mounting on the wire bonder will be quoted.
- Please contact sales representatives for sales prices.

SD Card Support Kit


Applicable Models: * UTC-300/400
* ACB-400
* SBB-310/410



Image of present condition



Image of the mounted unit

Configuration of SD Card Support Kit	
SD Card Drive Unit	
Conversion Cable	
Software	
Accessories (CD-ROM etc.)	

Note: Please consult with us if type 2DD floppy disk drive equipped with the machine.

☆ It is possible to support SD card from 2HD floppy disk!

- Software installation cannot be done even though the wire bonder is still functional.
- Do you have such trouble as above? This kit can solve such trouble easily for you.

☆ Features of kit

- A single SD card can store the same volume of data as that stored on approx. 100 floppy disks (type 2HD).
- Easy system modification
- Operations remain unchanged
- Wide range of models supported

☆ Detailed specifications

- For detailed specifications please refer to specifications sheet attached.
- SD card must be formatted using proprietary utility software (Operation Support Tool) stored in CD-ROM included in Accessories.
- Retrofit on the wire bonder will be quoted.
- Please contact sales representatives for sales prices.

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Nonsticking Detection for WIRE BONDER

Applicable Models	DC Nonsticking Detection	Retrofit of AC Nonsticking Detection	
		(10 pF Type)	(3 pF Type)
UTC-300 series	Equiped as standard	Applicable	-
UTC-400 series	Equiped as standard	Applicable	-
UTC-1000 seriss	Equiped as standard	Applicable	Applicable
UTC-2000 A1	Equiped as standard	Applicable	Applicable
UTC-2000 A1 onward	Equiped as standard	Equiped as standard	Applicable
UTC-3000 series	Equiped as standard	-	Equiped as standard

☆ Lineup of Nonsticking Detection

- The nonsticking detection function is effective to prevent occurrence of large amount of defective products on wire bonding.
- We have a lineup of AC nonsticking detection retrofit kit to handle the latest devices.

☆ Features of AC Nonsticking Detection Retrofit kit

- Retrofit kit can make AC nonsticking function on the existing machine with a few unit/parts and software change.
- It is capable of switching over between DC and AC system by the setting.

☆ Detailed specifications

- For detailed specifications please refer to specifications sheet attached.
- Software change of the wire bonder is required.
- Retrofit on the wire bonder will be quoted.
- Please contact sales representatives for sales prices.

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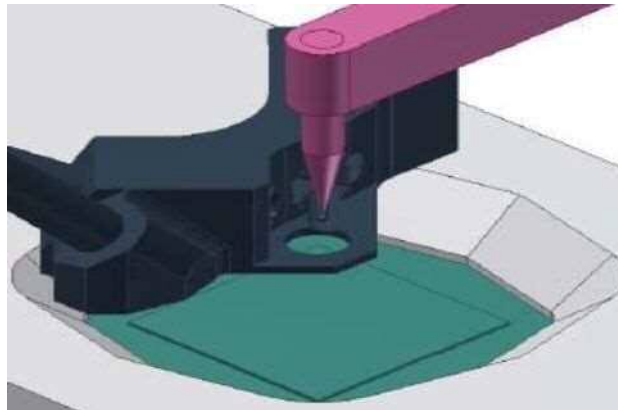
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Copper Wire Kit for WIRE BONDER

Applicable Models UTC-2000 series
UTC-3000 series



Configuration of Cu wire kit				Options favorable for Cu B'g	
Gas Chamber Unit	Gas Chamber	Torch Electrode	Other	Electric flame-off unit	Options Software
GC-09A01	GBU-02	AC534-26L	-	EFU-50	-
		 (0.4mmφ)	Cable Gas tube Basic software		M-Step One side scrub D-Stitch Contact slope

☆ Cost reduction realized by Cu wire bonding

- Cost reduction is important theme under the tough semiconductor market.
- Would you like to overcome this theme with Cu wire bonding?

☆ Features of Cu wire kit

- Modification and mounting on the existing wire bonder is possible.
- The number of sales exceeded 1000 sets.
- So many customers all over the world are using for Cu wire bonding.

☆ Detailed specifications

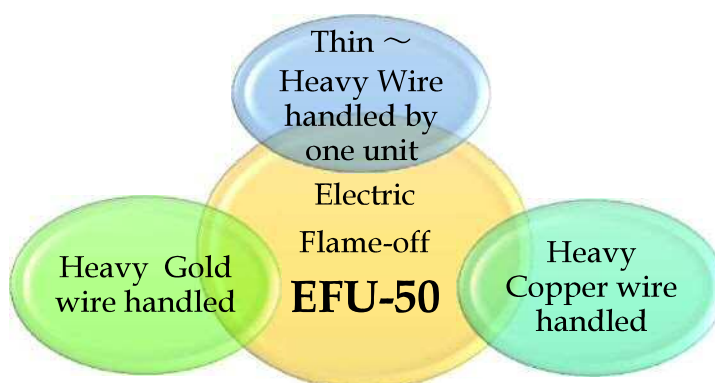
- For detailed specifications please refer to specifications sheet attached.
- Software change of the wire bonder is required.
- Modification and mounting on the wire bonder will be quoted.
- Please contact sales representatives for sales prices.

Electric Flame-off Unit EFU-50 for various types of Bonding Wire

- Applicable Models:**
- * UTC-2000 series
 - * UTC-3000 series
 - * ACB-3000

☆ Feature of EFU-50

• Potential of Wire Bonder can be improved by EFU-50 because various type of bonding wire can be handled.



☆ Performance of EFU-50

Item	Performance	
Applicable Wire	Au wire: ϕ 15~75 μ m (ACB-3000 ϕ 18~75 μ m)	
	Cu Wire: ϕ 20~50 μ m	
Electric Flame-off Cable	5/35 Ω Automatic Changeover	
Spark Current/Time	10~50mA	0.05~2ms
	50.1~100mA	0.10~7ms
	100.1~200mA	0.10~2ms
Maximum Continuous Discharge time	50ms/every electric discharge (Max:100mA, 7ms)	
Input Supply Voltage	AC100V \pm 10%	
Input Power Frequency	50/60Hz \pm 5%	
Configuration (Height, Width, Depth)	115mm \times 200mm \times 263mm	
Weight	5.8kgf	

☆ Detailed specifications

- For detailed specifications please refer to specifications sheet.
- Replacement parts such as wire clamber/torch electrode etc. are required additionally for Heavy Wire Bonding.
- Cu Wire Kit is required additionally for Copper Wire Bonding.
- Software change of the wire bonder is required.
- Retrofit on the wire bonder will be quoted.
- Please contact sales representatives for sales prices.

Wire Bonder OS:Windows Upgrade

Applicable Models: * UTC-3000,300WE
 * SBB-1100,1100Supre
 * UTC-2000,2000Super

☆ Outline

Realizing the following performance with upgrading Windows XP to Windows7.

- **Improvement of security**
- **Improvement of operating response**
- **Equipment modification handled by application**

Changing HDD to optioned SSD will be realized more improved operatability and reliability

☆ Primary replacement part

Item	Specification
OS	Windows7
CPU BOARD	Celeron 810 Chipset RAM:2GB
HDD	2.5inch 320GB SATA
SSD (Option)	2.5inch 256GB SATA
PRS BOARD	FGP-02
EXTERNAL MEMORY UNIT	CD DVD Drive

☆ Detailed specification

- Necessary to change your operating equipment software to correspondence vergion with Windows7.
- Please contact us your operating equipment software : Product Version at ordering.
- Retrofit on the wire bonder will be quoted
- Please contact sales representatives for sales prices.

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