

Automatic Soldering System

HAKKO FU-500 ESD SAFE
FEEDER CONTROLLER
HAKKO FU-600 ESD SAFE
SOLDERING STATION

HAKKO FU-601 ESD SAFE
SOLDERING STATION

Automatic Soldering System

Tip not included



- **HAKKO FU-500** ESD SAFE
FEEDER CONTROLLER
- Accurate solder feeding
- Supports solder diameters of 0.3 mm and up to 1.6 mm
- Solder feed error detection
- Equipped with countermeasures against solder ball splash as standard
- **HAKKO FU-600/601** ESD SAFE
SOLDERING STATION
- Easy tip replacement
- High performance composite tip
- Six presets tip-temperature function
- 300 W of ultra-high power (FU-601)

Packing List

FU-500	Main unit, Feeder unit, Solder reel stand, Feeder cable, Tube unit, Power cord, Instruction manual
FU-600 FU-601	Station, Handpiece (FU-6001 or FU-6002), Iron unit fixing assembly, Tip adjustment jig unit, Iron cable, Heat resistant pad, Connecting cable, Power cord, Flux protector, Feeder unit attachment screw, Instruction manual

Specifications

Model No.	FU-500	
Power consumption	35 W	
Compatible solder diameters	0.3 mm, 0.5 mm, 0.6(0.65) mm, 0.8 mm, 1 mm, 1.2 mm, 1.6 mm	
Dimensions	145 mm (W) × 100 mm (H) × 230 mm (D)	
Weight	2.3 kg	

Model No.	FU-600	FU-601
Power consumption	140 W	140 W / 300 W
Temperature range	50 to 500°C	
Preset temperature	6 settings	
Dimensions	145 mm (W) × 102 mm (H) × 210 mm (D)	145 mm (W) × 107 mm (H) × 211 mm (D)
Weight	2.8 kg	4 kg

Soldering Iron

Model No.	FU-6001	FU-6002
Total length	186 mm with 2.4XD tip for TX1 194 mm with 4XD tip for TX2	160 mm with 2.4XD tip for TX1 168 mm with 4XD tip for TX2
Weight*	163 g with 2.4XD tip for TX1 171 g with 4XD tip for TX2	165 g with 2.4XD tip for TX1 173 g with 4XD tip for TX2

* With iron unit fixing assembly

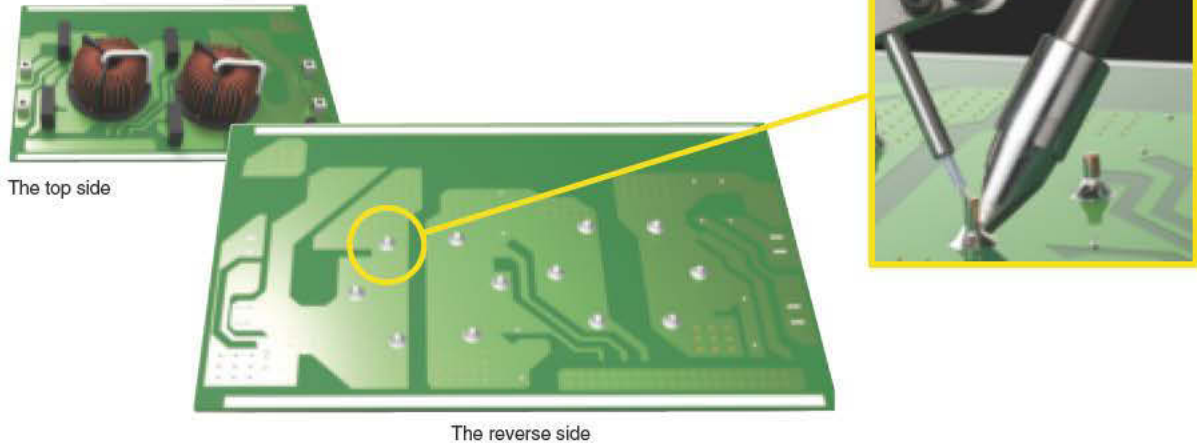
Replacement Parts (Optional)

*The accessories are required for initial set-up, such as a solder feed pulley unit, solder-feed guide set, and teflon tube are not included. They must be ordered separately and adapted to use with the soldering iron and solder wire diameter.

Part No.	Name	Remarks
BX1000	Solder feed pulley unit/0.3 mm	
BX1001	Solder feed pulley unit/0.5 mm	
BX1002	Solder feed pulley unit/0.6 mm	
BX1003	Solder feed pulley unit/0.8 mm	
BX1004	Solder feed pulley unit/1 mm	
BX1005	Solder feed pulley unit/1.2 mm	
BX1006	Solder feed pulley unit/1.6 mm	
BX1007	Solder feed guide set/0.3 mm	
BX1008	Solder feed guide set/0.5 to 1 mm	
BX1009	Solder feed guide set/1.2 to 1.6 mm	
BX1010	Teflon tube/0.3 mm (set of 10)	
BX1011	Teflon tube/0.5 to 0.6 mm (set of 10)	
BX1012	Teflon tube/0.8 mm (set of 10)	
BX1013	Teflon tube/1 mm (set of 10)	
BX1014	Teflon tube/1.2 mm (set of 10)	
BX1015	Teflon tube/1.6 mm (set of 10)	
BX1016	Tube unit/0.3 to 1 mm	
BX1017	Tube unit/1.2 to 1.6 mm	
BX1027	Flux protector	
BX1023	Adapter assembly for TX1	
BX1029	Adapter assembly A for TX2	
BX1024	Nozzle assembly <A> for TX1	
BX1025	Nozzle assembly for TX1	
BX1026	Nozzle assembly <C> for TX1	
BX1030	Nozzle assembly <D> for TX2	
BX1031	Nozzle assembly <E> for TX2	
CX1000	Slide unit	
CX1001	Slide unit for drag soldering	
CX1002	Temperature probe	
CX1003	Cleaner	

Features

300 W of ultra-high power FU-601 is added to Automatic Soldering System.



The top side

The reverse side

Compact TX1 Series for FU-600

TX1 for FU-600 can provide excellent thermal recovery characteristic despite its compact design.

140 W TX1 for FU-600

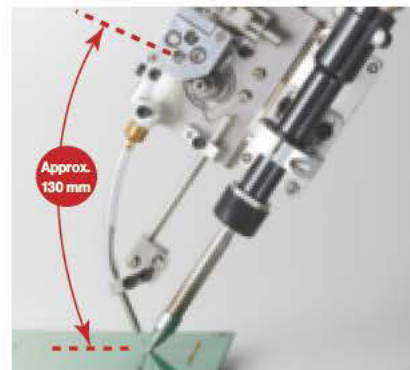


300 W TX2 for FU-601



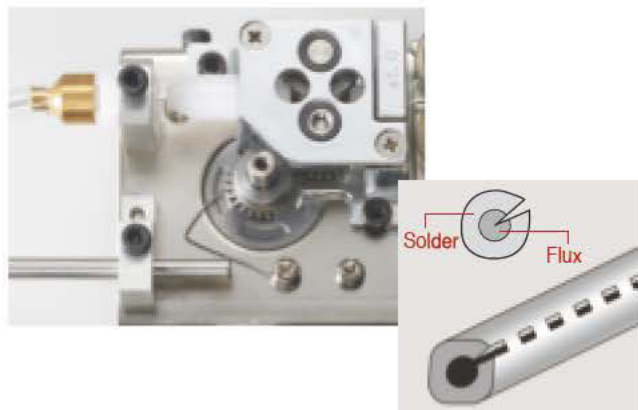
Accurate Solder Feeding

The solder feed unit is closer to the iron.



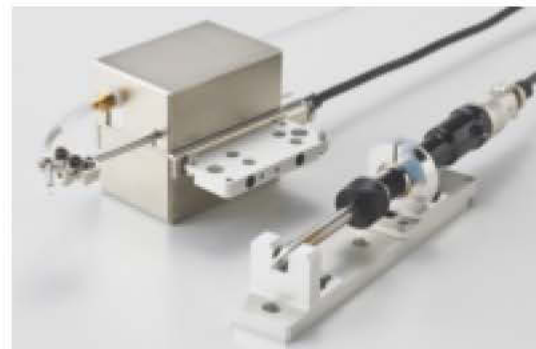
Countermeasures against solder ball splash

Equipped with a mechanism that perforates into the solder wire as standard.



Easy tip replacement

The position of the tip end can be easily adjusted using the tip adjustment jig unit included with FU-600 and FU-601.

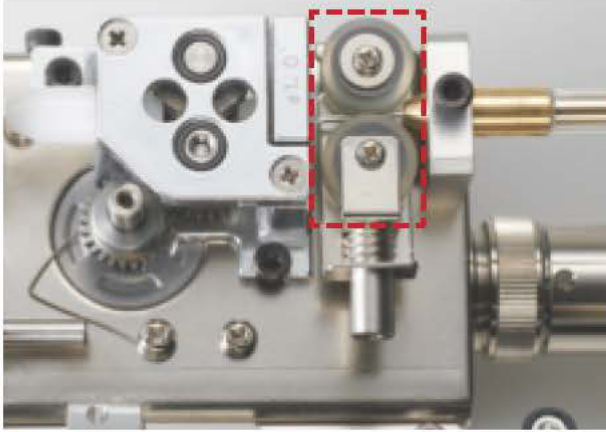


Automatic Soldering System

More Features

Solder feed error detection

With an optical sensor for solder movement, FU-500 can detect solder clogging, slipping and the end of the roll.



Two types of soldering irons

Straight iron FU-6001

L-shaped iron FU-6002



Optional Parts & Accessories

Slide unit

This unit allows the soldering unit vertical movement with external air.



Slide unit (for drag soldering)

This unit absorbs height variation.



Tip cleaner

The brush removes excess solder and flux carbides.



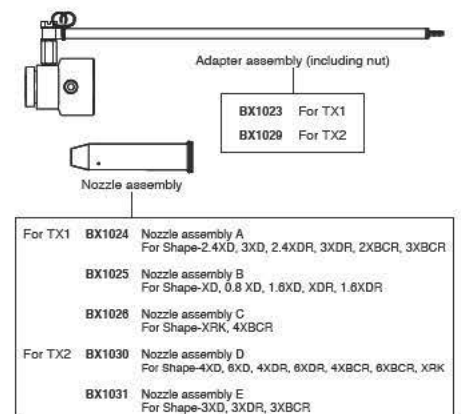
Temperature probe

The probe makes tip temperature measurement easy.



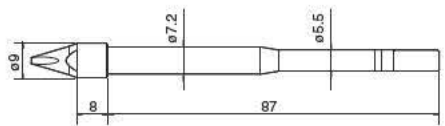
N₂ Adapter assembly

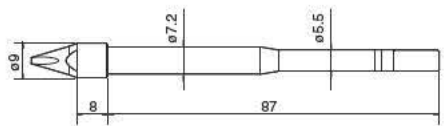
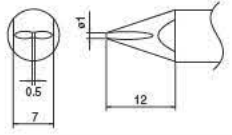
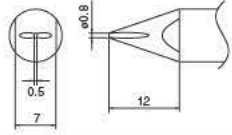
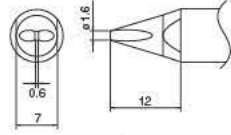
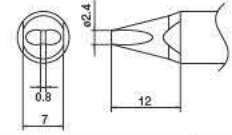
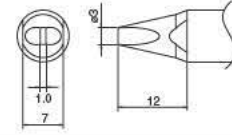
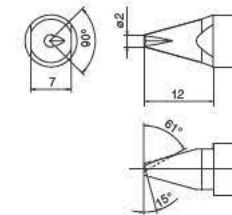
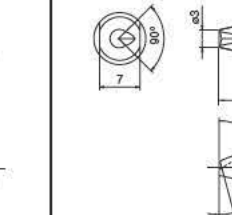
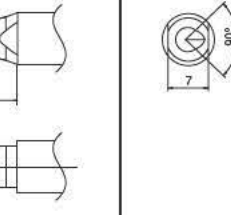
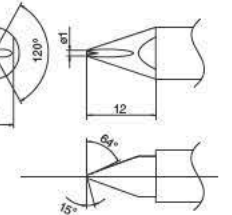
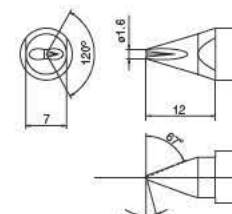
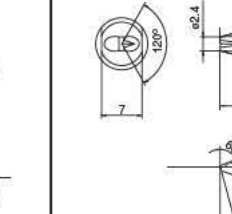
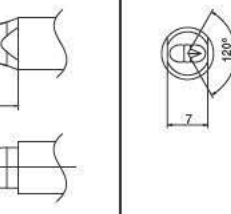
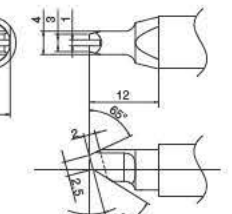
Simply attach the optional N₂ adapter to the iron and install a nozzle assembly that matches the tip to perform N₂ soldering.



Optional Tips for FU-600 & FU-601

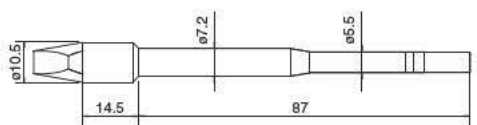
Unit: mm

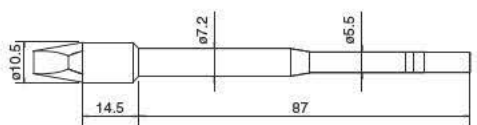
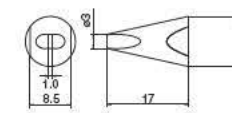
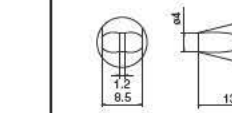
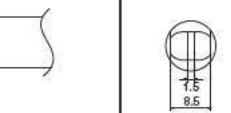

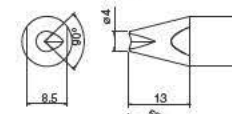
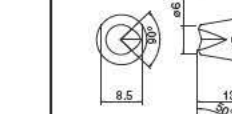

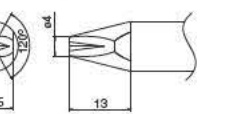
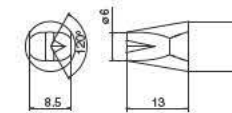


				
TX1-XD Shape-XD 	TX1-XD08 Shape-0.8XD 	TX1-XD16 Shape-1.6XD 	TX1-XD24 Shape-2.4XD 	TX1-XD3 Shape-3XD 
TX1-XBCR2 Shape-2XBCR 	TX1-XBCR3 Shape-3XBCR 	TX1-XBCR4 Shape-4XBCR 	TX1-XDR Shape-XDR 	
TX1-XDR16 Shape-1.6XDR 	TX1-XDR24 Shape-2.4XDR 	TX1-XDR3 Shape-3XDR 	TX1-XRK Shape-XRK 	

Optional Tips for FU-601

Unit: mm



			
TX2-XD3 Shape-3XD 	TX2-XD4 Shape-4XD 	TX2-XD6 Shape-6XD 	TX2-XBCR3 Shape-3XBCR 
TX2-XBCR4 Shape-4XBCR 	TX2-XBCR6 Shape-6XBCR 	TX2-XDR3 Shape-3XDR 	TX2-XDR4 Shape-4XDR 
TX2-XDR6 Shape-6XDR 	TX2-XRK Shape-XRK 