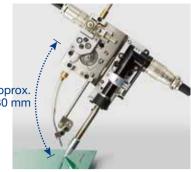
Solder Feed Unit FU-500

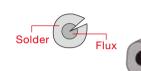
Accurate solder feeding

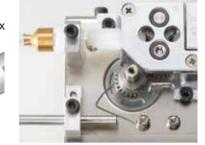
The solder feed unit is designed to be set beside the iron part for superior repeat accuracy of solder feeding due to the short distance from feeder to tip.



Countermeasure for solder ball splash

Countermeasure for solder ball and flux splash is equipped as standard.





Solder feed error detection

Solder clogging and run-out can be detected with an optical sensor for solder movement.



Solder diameter supported from 0.3 mm

Use of DIA 0.3 mm solder wire makes micro soldering possible.

Easy adjustment of solder feeding position

Solder feeding position, which is a critical point for auto-soldering, can be easily adjusted by turning the screw.



2 types of feeder units

Select the one according to your robotic system

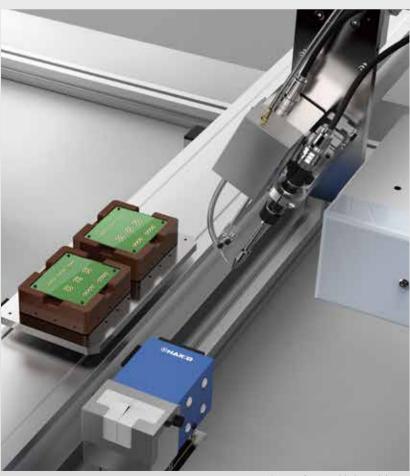




t type



A U T O - S O L D E R I N G



Soldering Iron Unit FU-601 (140 W / 300 W)

300 W power for better soldering quality and productivity

300 W power can be the solution for issues such as "insufficient solder wetting due to lack of heat" and "insufficient through-hole fill". It can also shorten soldering time on what requires long heating time.



Test was conducted on PWB with very high heat capacity. Soldering with 300 W was 4 times faster than 140 W on the same condition.

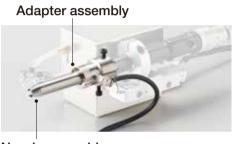
High performance composite tip

FU-601 accepts 2 types of tips, TX1 series for 140 W and TX2 series for 300 W.



N₂ adapter assembly

Soldering with N₂ is possible with the adaptor. The use of N₂ improves solderability.



Nozzle assembly

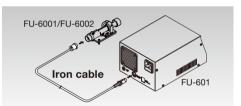
2 types of soldering irons

There are 2 types of soldering irons to chose from. One is straight type and another is L-shaped type.





Long iron cables are available as option parts



Quick and easy tip replacement by the tip adjustment jig unit

If one more handpiece is prepared, another soldering tip can be mounted on the spare handpiece during operation of the robot.





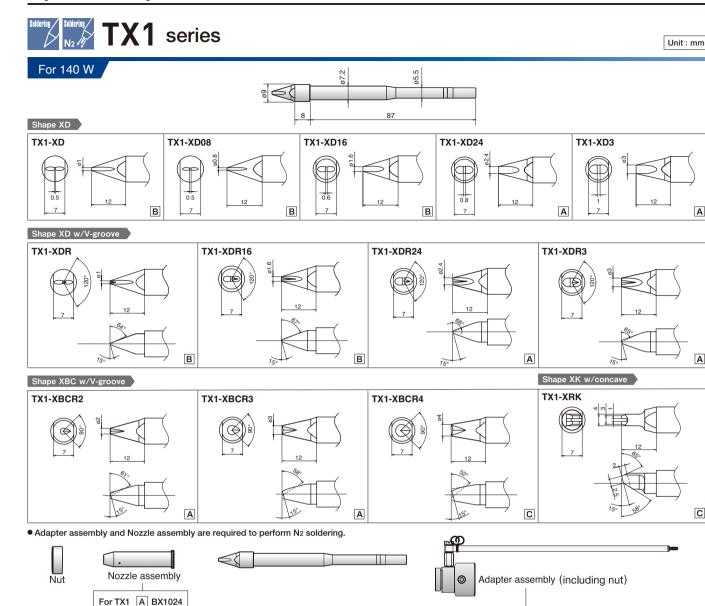


6 preset temperatures function

Tip temperature can be preset up to 6 preset temperatures can be called for each soldering program. Call higher temperature for where it requires more heat and call lower temperature where it requires less heat.



Optional Tips



Slide Units and Tip Cleaner

B BX1025

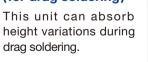
C BX1026

Slide unit

This unit can give vertical movement to a soldering iron part.



Slide unit (for drag soldering) This unit can absorb



For TX1 BX1023



CX1003

A brush-type cleaner as standard

A brush-type tip cleaner is employed. This brush type cleaner can remove not only residual solder but also carbide generated from burned flux.



Temperature probe

Temperature probe can make it easy to measure the temperature of tip used in an auto-soldering system.









Shape XD					
TX2-XD08 NEW TX2-XDF08* NEW	TX2-XD16 NEW TX2-XDF16* NEW	TX2-XD24 NEW TX2-XDF24* NEW	TX2-XD3	TX2-XD32 NEW TX2-XDF32* NEW	TX2-XD4 TX2-XDF4* NEW
0.4 8	8.5	0.8 8	8 17	8 17	85 13
E	E	E	E	E	D

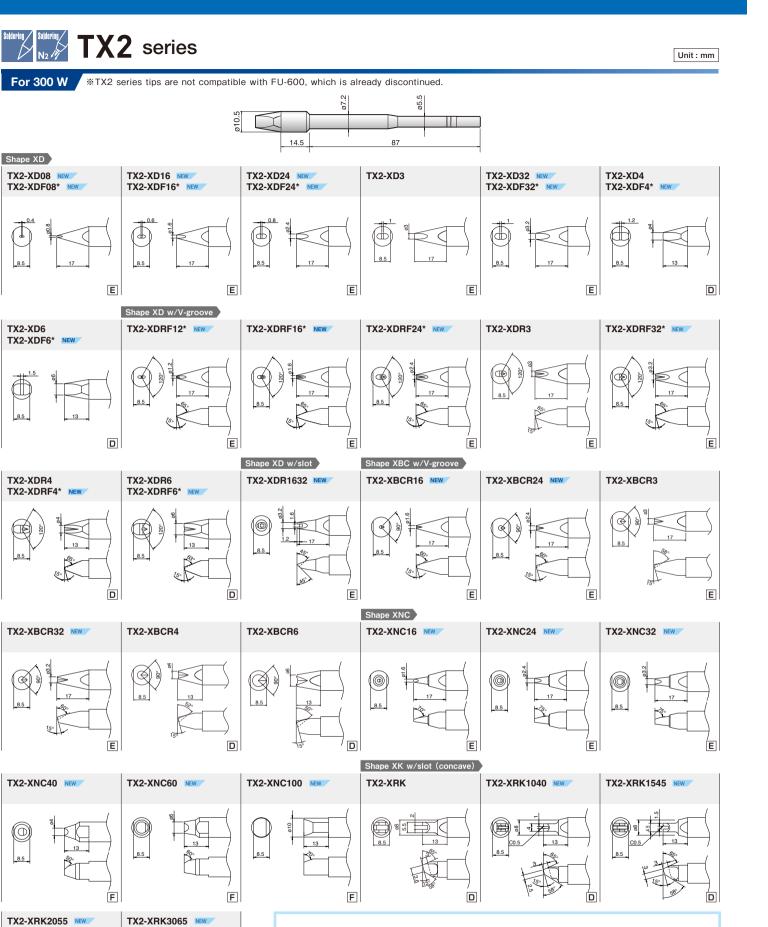
	Shape XD w/V-groove				
TX2-XD6 TX2-XDF6* NEW	TX2-XDRF12* NEW	TX2-XDRF16* NEW	TX2-XDRF24* NEW	TX2-XDR3	TX2-XDRF32* NEW
1.5 ° ° ° ° ° ° ° ° ° ° ° ° ° ° ° ° ° ° °	8.5 17 17 17 Sec. 18 18 18 18 18 18 18 18 18 18 18 18 18	8.5 E	85 8 85 E	8 8 17 17 E	8.5 17 17 E

		Shape XD w/slot	Shape XBC w/V-groove		
TX2-XDR4 TX2-XDRF4* NEW	TX2-XDR6 TX2-XDRF6* NEW	TX2-XDR1632 NEW	TX2-XBCR16 NEW	TX2-XBCR24 NEW	TX2-XBCR3
8.5	8 8 13 13	85 12 17 17 15 15 E	(3) (3) (5) (5) (5) (5) (6) (6) (6) (6) (6) (6) (6) (6) (6) (6	8.5 S	8.5 S

TX2-XBCR32 NEW	TX2-XBCR4	TX2-XBCR6	TX2-XNC16 NEW	TX2-XNC24 NEW	TX2-XNC32 NEW
05 50 17 17 15 15 15 15 15 15 15 15 15 15 15 15 15	\$ 13 13	8.5 S S S S S S S S S S S S S S S S S S S	8.5 III	8.5 17 17 E	8.5 To 17

			Shape XK w/slot (concave)		
TX2-XNC40 NEW	TX2-XNC60 NEW	TX2-XNC100 NEW	TX2-XRK	TX2-XRK1040 NEW	TX2-XRK1545 NEW
5 13 13 F	8 13 13 15 F	0 0 13 8.5	8 s s s s s s s s s s s s s s s s s s s	3 vi	85 vs 13 13 85 10 15 15 15 15 15 15 15 15 15 15 15 15 15

F	F]	F	D	\o <u>5</u> 8		588	Ĺ
TX2-XRK2055 NEW	TX2-XRK3065 NEW		Adapter assembly and No	ozzle assembly a	re required	to perform N2	solderin	ıg.
8 13 13 13 15 15 15 15 15 15 15 15 15 15 15 15 15	9 3 3 13 13 8.5 15 15 15 15 15 15 15 15 15 15 15 15 15	1	Nut Nozzle assembly	TX2	Adapte	r assembly (inclu	_	





Main unit, Feeder unit (L or Straight type), Solder reel stand, Feeder cable, Tube units, Power cord, Instruction manual

Specifications	
Power consumption	35 W
Compatible solder diameters	0.3 mm, 0.5 mm, 0.6(0.65) mm,
Compatible solder diameters	0.8 mm, 1 mm, 1.2 mm, 1.6 mm
Dimensions	145 (W) × 100 (H) × 230 (D) mm
Weight	2.3 kg



Station, Handpiece (FU-6001 or FU-6002), Iron unit fixing assembly, Tip adjustment jig units, Iron cable, Heat resistant pad, Connecting cable, Power cord, Flux protector, Feeder unit attachment screw, Instruction manual

Specifications	
Power consumption	140 W/300 W
Temperature range	50 to 500°C
Preset temperature	6 settings
Dimensions	145 (W) × 107 (H) × 211 (D) mm
Weight	4 kg

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











Solder feed guide set

BX1000		
BX1001		
BX1002		
BX1003		
BX1004		
BX1005		
BX1006		

0.3mm	BX1007
0.5~1mm	BX1008
1.2~1.6mm	BX1009
0.0	

Fluoroplastic tube (set of 10)

CA005530bYa002 2024.05

•	
0.3mm	BX1010
0.5~0.6mm	BX1011
0.8mm	BX1012
1mm	BX1013
1.2mm	BX1014
1.6mm	BX1015

Replacement and optional parts

Part No.	Name / Specifications	Part No.	Name / Specifications
BX1016	Tube unit / Φ0.3 to 1 mm 1180 L	FU6001-01X	Soldering iron FU-6001
BX1038	Fluoroplastic tube / Φ0.3 to 1 mm 1180 L for tube unit	FU6002-01X	Soldering iron FU-6002
BX1017	Tube unit / Ф1.2 to 1.6 mm 1180 L	BX1027	Flux protector
BX1039	Fluoroplastic tube / Φ1.2 to 1.6 mm 1180 L for tube unit	BX1032	Iron cable 3 m / for FU-601
BX1041	Tube unit / Φ0.3 to 1 mm 780 L	BX1033	Iron cable 5 m / for FU-601
BX1060	Fluoroplastic tube / Φ0.3 to 1 mm 780 L for tube unit	BX1034	Iron cable 8 m / for FU-601
BX1042	Tube unit / Φ1.2 to 1.6 mm 780 L	BX1056	Connecting cable / for between FU-500 and FU-601
BX1061	Fluoroplastic tube / Φ1.2 to 1.6 mm 780 L for tube unit	CX5017	Tip adjustment jig unit / for soldering tip TX1 series
BX1018	Guide tube	CX5018	Tip adjustment jig unit / for soldering tip TX2 series
BX1019	Guide pipe / Φ0.3 mm	CX1000	Slide unit
BX1020	Guide pipe / Φ0.5 to 1 mm	CX1001	Slide unit / for drag soldering
BX1021	Guide pipe / Φ1.2 to 1.6 mm	CX1002	Temperature probe
BX1022	Grommet	CX1003	Tip cleaner
BX1035	Feeder cable 3 m / for FU-500	A1567	Cleaning brush B (metal brushes, qty 2)
BX1036	Feeder cable 5 m / for FU-500	BX1028	Spattering prevention sheet / for tip cleaner CX1003
BX1037	Feeder cable 8 m / for FU-500		



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