

SURFACE MOUNT / SMT PRODUCTS

Equipped with Auto Profile Mode. Handles BGAs, CSPs and all SMDs using the preheater.

HOT-AIR REWORK STATIONS XFC-300/301



Nozzles sold separately.



AUTO PROFILE
Can be set to the desired profile without a test

VARIOUS PROFILES AVAILABLE
Up to 19 profiles, each with 5 zones

ACCURATE TEMPERATURE CONTROL
With PID control

ON/OFF INTERFACE
Controls external preheater

HAND OPERATION
Heater and vacuum switches on the handpiece

FORCED COOL-DOWN
On all zones with cool key

●Either Auto profile or Repeat Profile function (PAT). ●5 zone profiles available: **PREHEAT 1, PREHEAT 2, PREHEAT 3, REFLOW, and COOL**. ●Up to 19 profiles* can be saved for each of the 5 zones. ●One profile can be registered for HAND Mode. ●Accurate PID temperature control. ●Heater and Vacuum switches located on the handpiece for easy control. ●ON/OFF interface with Preheater (connection cable optional). ●Keypad lock and Offset functions. ●Instant cool down on all zones by pressing the COOL key. ●Handpiece with removed SMD can be lifted automatically after the reflow process is finished. (XFC-301 only)

*separate profiles with specific temperature and time settings can be pre-programmed for each of the 5 Zones

Auto Cool-Down function to protect the heater.
Handles QFPs, PLCCs, SOLs.

HOT-AIR REWORK STATION XFC-110



Nozzles sold separately.



TEMPERATURE CONTROL
With ON/OFF control

DIGITAL DISPLAY
Easy temperature control

VACUUM PICK-UP
Highly accurate

FLOW METER
Easy air-flow control

AUTO COOL-DOWN
Protects the heater

●Temperature management using ON-OFF control. ●Digital temperature display for easy temperature management. ●Vacuum pickup function, Flow meter for easy airflow management. ●Auto Cool Down function to protect heater.

An economic solution with maximum heat capacity. Handles BGAs, CSPs and all SMDs.

HOT-AIR REWORK STATION XFC-210



Nozzles sold separately.



ACCURATE TEMPERATURE CONTROL
With PID control

ON/OFF INTERFACE
Controls external preheater

HAND OPERATION
Heater and vacuum switches on the handpiece

FORCED COOL-DOWN
On all zones with cool key

VARIOUS PROFILES AVAILABLE
Up to 19 profiles, each with 5 zones

●5 zone profiles available: **PREHEAT 1, PREHEAT 2, PREHEAT 3, REFLOW, and COOL**. ●Up to 19 profiles* can be saved for each of the 5 zones. One profile can be registered for HAND Mode. ●Accurate P temperature control. ●Heater and Vacuum switches located on the handpiece for easy control. ●ON/OFF interface with Preheater (connection cable optional). ●Keypad lock and Offset functions. ●Instant cool down on all zones by pressing the COOL key.

*individual profiles with specific temperature and time settings can be pre-programmed for each of the 5 Zones

Basic SMT rework station.
Handles QFPs, PLCCs, SOLs.

HOT-AIR REWORK STATION XFC-100



Nozzles sold separately.



ERGONOMIC HANDPIECE
Prevents fatigue

●Handles QFPs, PLCCs, SOLs.

XFC series FEATURES TABLE

FUNCTION	XFC-301	XFC-300	XFC-210	XFC-110	XFC-100
Auto-lift	✓	—	—	—	—
5-zone profiles	✓	✓	✓	—	—
Auto Profile mode	✓	✓	—	—	—
Normal Profile Mode	✓	✓	✓	—	—
Hand mode	✓	✓	✓	✓	✓
Saving of profile mode and hand mode	✓	✓	✓	—	—
PID control	✓	✓	—	—	—
ON/OFF and vacuum control on handpiece	✓	✓	✓	—	—
Interface to control preheater	✓	✓	✓	—	—
Kelock, Offset	✓	✓	✓	—	—
Forced cool-down	✓	✓	✓	✓	✓
Vacuum pick-up	✓	✓	✓	✓	—
Digital display	✓	✓	✓	✓	—
Flow meter	✓	✓	✓	✓	—
Auto cool-down	—	—	✓	✓	—
Ergonomic handpiece	✓	✓	✓	✓	✓

SPECIFICATIONS

Model	XFC-301	XFC-300	XFC-210	XFC-110	XFC-100
Voltage	220–240V AC 50/60Hz		220V, 230V, 240V AC 50/60Hz		110–130V, 220–240V AC 50/60Hz
Power Consumption	400–460W		470W		420–470W, 380–420W
Power Cord Length	1.5m (3 core cord) Inlet type				1.1m (3 core cord) ground plug
Temperature Setting Range	50–550°C			150–550°C	150–450°C
Insulation Resistance	Over 10MΩ (500V DC)				

Station Unit

Model	XFC-301	XFC-300	XFC-210	XFC-110	XFC-100
Output Voltage	220–240V AC		220V, 230V, 240V AC		110–130V, 220–240V AC
Air flow Meter	Equipped				–
Air flow Volume	5–25L /min		5–23L /min	5–25L /min	5–20L /min
Auto-lift function	Included	-			
Modes	3 (Profile-Normal, Profile-Auto, Hand)		3 (Profile-Flat, Profile-Slope, Hand)	1 (Hand)	
Temperature Profiles	5 Zones (Temperature and Time)			–	
Profile Memory	(Auto, Normal)×19, HAND×1		(Flat,Slope)×19, HAND×1		–
Dimensions	200(W) ×230(H) ×265(D)mm		182(W) ×179(H)× 263(D)mm		107(W) ×177(H)×227(D)mm
Weight	7.6kg (w/o cord)		8.4kg (w/o cord)	7.8kg (w/o cord)	4.6kg (w/o cord)
Accessory	Connection Cable with Preheater, Handpiece Holder, XVCW-SET			Handpiece Holder, XVCW-SET	Handpiece Holder

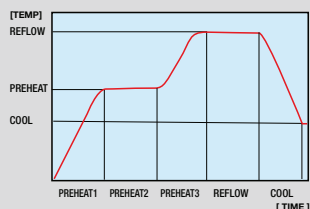
Handpiece Unit

Model	XFC-301	XFC-300	XFC-210	XFC-110	XFC-100	
Voltage	220-240V AC		220V, 230V, 240V AC		110-130V AC	220-240V AC
Power Consumption	370-430W		400W		400-450W	300-400W
Heater	Nichrome Heater					
Hose length between Handpiece and Control Unit	1m					
Vacuum Pickup	Integrated into Handpiece				—	
Length	220mm (w/o cord)					
Weight	180g (w/o nozzle, cord)					

MODES

NORMAL	Create your own profiles for the 5 zones.
AUTO	Can be set to the desired profile without a test. (PAT.) XFC-301/300 only
HAND	Configure temperature settings for manual rework.

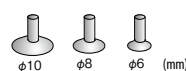
XFC-301/300 AUTO PROFILE EXAMPLE



REPLACEMENT PARTS / OPTIONS

Heater XFC-100H	Vacuum Cup ø6mm XVCW-6
XFC Heater Pipe XFC-100HP	Vacuum Cup ø8mm XVCW-8
Vacuum Cup Set XVCW-SET	Vacuum Cup ø10mm XVCW-10

Vacuum Cup



SURFACE MOUNT / SMT PRODUCTS

XFC Series Optional Nozzles (PAT.)

XNSG series (for SO, SOL)

P / N	A		D		Applicable Package
	inch	mm	inch	mm	
XNSG 4.4 × 10	0.394	10	0.189	4.8	SO16
XNSG 5.6 × 13	0.591	15	0.224	5.7	SSOP8T
XNSG 7.6 × 15	0.630	16	0.283	8.2	SOL20/26, TSOP20/24
XNSG 7.6 × 18	0.748	19	0.283	8.2	TSOP24
XNSG 7.6 × 12.7	0.472	12	0.283	8.2	SOL20, TSOP28
XNSG 19 × 8	0.315	8	0.748	19.0	TSOP32
XNSG 8.6 × 18	0.748	19	0.343	8.7	TSOP28/32
XNSG 18.5 × 12	0.591	15	0.728	19.5	TSOP40/48
XNSG 13 × 28	1.142	29	0.531	13.5	PSOP44
XNSG 4.4 × 5	0.197	5	0.189	4.8	SO8

XNSG series (for SOJ)

P / N	A		D		Applicable Package
	inch	mm	inch	mm	
XNSG 15 × 8.2	0.591	15	0.323	8.2	SOJ20

XNPG series (for PLCC)

P / N	A		B		C		D		Applicable Package
	inch	mm	inch	mm	inch	mm	inch	mm	
XNPG 7.3×12.5	0.272	6.9	0.354	9	0.272	6.9	0.551	14	PLCC 7.3 X 12.5
XNPG 11.5×11.5	0.394	10	0.512	13	0.394	10	0.512	13	PLCC 28
XNPG 11.5×14	0.591	15	0.591	15	0.394	10	0.512	13	PLCC 11.5 X 14
XNPG 17.5×17.5	0.591	15	0.728	18.5	0.591	15	0.728	18.5	PLCC 44
XNPG 20 × 20	0.748	19	0.827	21	0.748	19	0.827	21	PLCC 52
XNPG 25 × 25	0.945	24	1.024	26	0.945	24	1.024	26	PLCC 68
XNPG 30 × 30	1.142	29	1.220	31	1.142	29	1.220	31	PLCC 84

Custom nozzles are available. Please contact a **goot** distributor.

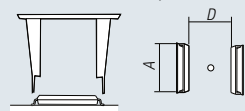
XNQG series (for QFP, BQFP)

P / N	A		B		C		D		Applicable Package
	inch	mm	inch	mm	inch	mm	inch	mm	
XNQG 12 × 12	0.472	12	0.551	14	0.472	12	0.551	14	QFP64, QFP48, QFP80, BQFP28
XNQG 14 × 14	0.591	15	0.677	17.2	0.591	15	0.677	17.2	SQFP100, TQF100
XNQG 14 × 20	0.591	15	0.665	16.9	0.827	21	0.906	23	SQFP12, QFP80, QFP100
XNQG 16 × 16	0.630	16	0.826	21	0.629	16	0.826	21	BQFP100T25, QFP163
XNQG 17.5×17.5	0.591	15	0.728	18.5	0.591	15	0.728	18.5	BQFP84
XNQG 24 × 24	0.827	21	0.953	24.2	0.827	21	0.953	24.2	BQFP132, FQFP176
XNQG 28 × 28	1.142	29	1.220	31	1.142	29	1.220	31	QFP128, SQFP208
XNQG 32 × 32	1.220	31	1.315	33.4	1.220	31	1.315	33.4	BFP184T, FQFP408
XNQG 37 × 37	1.220	31	1.457	37	1.220	31	1.457	37	BQFP196
XNQG 40 × 40	1.535	39	1.654	42	1.535	39	1.654	42	BQFP244

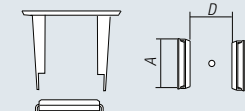
XNBG series (for BGA)

P / N	A		Applicable Package
	inch	mm	
XNBG 8 × 8	0.393	10	BGA16, BGA25
XNBG 12 × 12	0.551	14	BGA49, BGA64
XNBG 13 × 13	0.590	15	BGA49, BGA64
XNBG 15 × 15	0.669	17	BGA81, BGA100
XNBG 17 × 17	0.748	19	BGA121
XNBG 19 × 19	0.787	20	BGA144, BGA121
XNBG 23 × 23	0.984	25	BGA169
XNBG 27 × 27	1.142	29	BGA324, BGA225, BGA289
XNBG 35 × 35	1.457	37	BGA529, BGA484
XNBG 38 × 38	1.575	40	BGA576, BGA625
XNBG 40 × 40	1.654	42	BGA625, BGA676

XNSG series SO, SOL



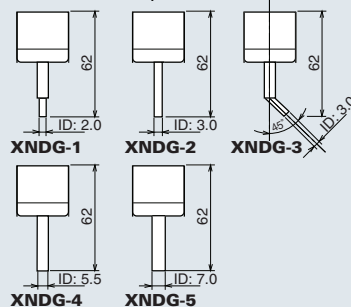
XNSG series SOJ



XNQG series QFP / BQFP

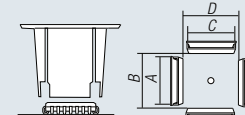


For Discrete Components

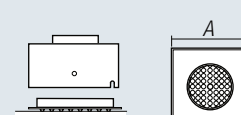


Vacuum pick-up cup for XFC-301/300/210/110

XNPG series PLCC



XNBG series BGA



Fixes the XFC series handpiece securely.

HANDPIECE HOLDER XK-1

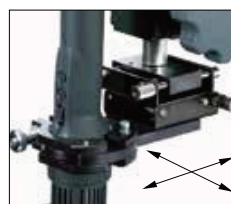


- Holder for **XFC** handpiece to attach to **XPR-600/1000** preheater.

MODEL	XK-1
Dimensions	Holder : 330(L) x 110(W) x 160(H)mm Column : ø28 x 390mm
Weight	Holder : 1.5kg / Column: 480g

Secure fixing and micro-adjustment of the XFC series handpiece.

HANDPIECE HOLDER XK-2



- Allows micro-adjustment of the **XFC** series handpiece while holding an SMD. Makes mounting work easy.

MODEL	XK-2
X direction adjustable range	20mm
Y direction adjustable range	20mm
Control knob pitch	0.8mm per one complete turn
Dimensions	Holder : 330(L) x 110(W) x 160(H)mm Column : ø28 x 390mm
Weight	Holder : 1.8kg / Column : 480g