



LEAD-FREE V-GROOVE
AUTOMATIC SOLDER FEEDER

FD-120

NEW DESIGN. CHANGEABLE V-GROOVE UNIT.

V-groove prevents solder ball and solder splash.

**Easy to configure for other solder diameter with changeable V-groove Unit.
Max $\phi 1.6$ mm Lead-free Solder Applicable.**

NEW



This image is with optional parts. Solder, soldering unit, and other optional parts are not included with this **FD-120**.

**Constant feed volume.
Stable quality at lower cost.**

- One-handed soldering work possible. ON/OFF switch is built into the Tube Assy **FD-100TA** (sold separately).
- $\phi 0.6$ -1.6 mm lead-free solder applicable.
- Solder feed method for reducing solder clogs.
- **DELAY** function adjusts solder feed timing.
- **BACK** function adjusts solder return amount.

V-groove unit differs according to solder diameter used. Please let us know your solder diameter when purchasing **FD-120**.



V-groove Unit (sold separately)

RoHS **ANTI STATIC** **LEAD FREE**

SOLDER-SPLASH PREVENTION
V-groove function

MAX $\phi 1.6$ LEAD-FREE SOLDER APPLICABLE
Wide tube

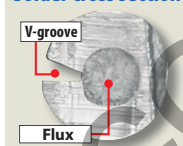
INNOVATIVE DESIGN MEANS FEWER CLOGS
Handpiece shaped for smooth solder flow

COMPATIBLE WITH YOUR SOLDERING UNIT
for **goot RX series** soldering stations

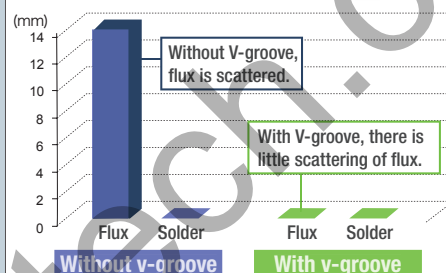
V-groove function

Grooved solder lets flux vapor be released. Reduces splash. Reduces defects.

Solder cross section



Solder splash

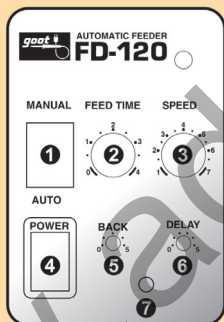


SAMPLE CONFIGURATION

Constant feed volume. Stable quality at lower cost.
V-groove prevents solder ball and solder splash.



FRONT PANEL



- ① Mode Changer
- ② Feed Time Adjuster
- ③ Feed Speed Adjuster
- ④ Main Power Switch
- ⑤ Return Amount Adjuster
- ⑥ Delay Time Adjuster
- ⑦ Switch Jack

FD-120 Sample configuration

① Temperature-Controlled Lead-Free Soldering Station	RX-802AS
② Tip for RX-802AS	RX-80HRT-B
③ Automatic Solder Feeder Unit	FD-120
④ V-groove Unit	FD-180VU-1.0
⑤ Tube Assy (Solder Dia. $\phi 0.6-1.0$)	FD-100TA-1.0
⑥ Guide Pipe (for RX-80GAS)	FD-100P-80
⑦ Nozzle (Solder Dia. $\phi 0.8/1.0$)	FD-120N-1.0

SPECIFICATIONS

Model	FD-120
Voltage	100-240V AC 50/60Hz inlet type
Power Consumption	8W
Power Cord Length	1.5 m
Applicable Soldering Irons	RX-802AS (RX-80GAS) RX-852AS (RX-85GAS) RX-822AS (RX-80/85GAS) RX-701/711AS (RX-72GAS)
Applicable Solder Diameter	$\phi 0.6$ $\phi 0.8$ $\phi 1.0$ $\phi 1.2$ $\phi 1.6$ (mm) LF solder applicable
Solder Feed Speed	$\phi 0.6$ $\phi 0.8$: 4-22mm/s $\phi 1.0$ $\phi 1.2$: 3-20mm/s $\phi 1.6$: 0-16mm/s unloaded
Solder Feed Time	0-4s
Returned Solder Amount	0-5mm (fixed speed)
Dimensions	FD-120 : 82 (W) $\times$ 150 (H) $\times$ 210 (D) mm
Weight	1.5kg (w/o cord)

REPLACEMENT PARTS / OPTIONS

Tube Assy (Solder Dia. $\phi 0.6-1.0$) FD-100TA-1.0	Tube Assy (Solder Dia. $\phi 1.2-1.6$) FD-100TA-1.6
Guide Pipe for RX-80GAS FD-100P-80	Guide Pipe for RX-85GAS FD-100P-85
Guide Pipe for RX-72GAS FD-100P-72	
Feeder Pen (Solder Dia. $\phi 0.6-1.0$) FD-100PN-1.0	Feeder Pen (Solder Dia. $\phi 1.2-1.6$) FD-100PN-1.6
Nozzle, Solder Dia. $\phi 0.6/0.65$ FD-120N-0.6	Nozzle, Solder Dia. $\phi 0.8/1.0$ FD-120N-1.0
Nozzle, Solder Dia. $\phi 1.2/1.6$ FD-120N-1.6	Foot Switch FD-100FS

ST-21, ST-22 soldering iron stand for RX-802AS/852AS/822AS

If you don't have it, please purchase one. (The old ST-20 is not applicable)

ST-27 soldering iron stand for RX-701AS/711AS

If you don't have it, please purchase one. (The old ST-77 is not applicable)



V-groove Unit differs according to solder diameter used.
Please purchase the Unit for your solder from the following FD-180VU series.

Solder Diameter	0.6/0.65 mm	0.8 mm	1.0 mm	1.2 mm	1.6 mm
	FD-180VU-0.6	FD-180VU-0.8	FD-180VU-1.0	FD-180VU-1.2	FD-180VU-1.6