

## FR-701

ESD  
SAFE

Nozzle quick change type

Repair System

Digital



- All-in-one repair system that enables both soldering and desoldering

### Features

For information on features of soldering iron, see P. 33.

For information on features of desoldering tool, see P. 71.

**NOTE:** Auto Shutoff Function and Auto Sleep Function are available for desoldering tool only.

### Packing List

FR-701	Station, Soldering iron (FX-8801), Desoldering tool (FR-4103), Iron holder for soldering iron (with cleaning sponge and wire), Iron holder for desoldering tool (with cleaning wire), Tool box (Cleaning pin for $\phi 1$ mm, Cleaning pin for heating element, Cleaning drill for $\phi 1$ mm, Nozzle wrench, Filter [qty 2], Ceramic paper filter L [qty 4]), Power cord, Instruction manual
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### Replacement Tips and Nozzles

For information on optional irons and replacement tips, see P. 35 to 37.

For information on replacement nozzles for desoldering tool FR-4103, see P. 72.

### Specifications

Part No.	FR-701
Power consumption	260 W

#### Station (Soldering iron)

Output voltage	AC 26 V
Temperature range	50 to 480°C
Temperature stability	$\pm 1^\circ\text{C}$ at idle temperature (when set to 200 to 480°C)

#### Station (Desoldering tool)

Output voltage	AC 24 V
Vacuum generator	Vacuum pump, double cylinder type
Vacuum pressure	80 kPa (600 mmHg, max.)
Suction flow	15 L/min.
Temperature range	330 to 450°C
Temperature stability	$\pm 5^\circ\text{C}$ at idle temperature

#### Station

Dimensions	190 (W) $\times$ 140 (H) $\times$ 220 (D) mm
Weight	6.2 kg

#### Soldering iron

Power consumption	65 W (26 V)
Tip to ground resistance	$< 2 \Omega$
Tip to ground potential	$< 2$ mV
Heating element	Ceramic heater
Standard tip	Shape-B (No. T18-B)
Cord length	1.2 m
Total length*	217 mm (with B tip)
Weight*	46 g (with B tip)

#### Desoldering tool

Power consumption	140 W (24 V)
Nozzle to ground resistance	$< 2 \Omega$
Nozzle to ground potential	$< 2$ mV
Heating element	Composite heater
Standard nozzle	$\phi 1$ mm S type (No. N61-05)
Cord length	1.2 m
Total length**	168 mm (with $\phi 1$ mm S type nozzle)
Weight**	190 g (with $\phi 1$ mm S type nozzle)

\* Without cord

\*\* Without cord and hose

## FR-702

ESD  
SAFE

Nozzle quick change type

Rework System

Digital



- Multi-station that enables soldering, desoldering, and SMD rework all with a single unit

### Features

For information on features of soldering iron, see P. 33.  
For information on features of desoldering tool, see P. 71.  
For information on features of hot air, see P. 77 to 78 (common features).

**NOTE:** Auto Shutoff Function and Auto Sleep Function are available for desoldering tool and hot air only.

Low Temperature Error Alert is available for soldering iron and desoldering tool only.

### Packing List

FR-702	Station with hot air handpiece, Nozzle (ø4 mm) for hot air, Handpiece holder for hot air, Vacuum pipe control knob L (with screw), Pads (qty 2 each of ø3 mm, ø5 mm, ø7.6 mm), Soldering iron (FX-8801), Desoldering tool (FR-4103), Iron holder for soldering iron (with cleaning sponge and wire), Iron holder for desoldering tool (with cleaning wire), Tool box (Cleaning pin for ø1 mm, Cleaning pin for heating element, Cleaning drill for ø1 mm, Nozzle wrench, Filter [qty 2], Ceramic paper filter L [qty 4]), Heat resistant pad, Color band (qty 2), Power cord, Instruction manual
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### Replacement Tips and Nozzles

For information on optional irons and replacement tips, see P. 35 to 37.  
For information on replacement nozzles for desoldering tool FR-4103, see P. 72.  
For information on replacement nozzles for hot air, see P. 81 to 83.

### Specifications

Part No.	FR-702
Power consumption	1530 W

#### Station (Soldering iron)

Output voltage	AC 26 V
Temperature range	50 to 480°C
Temperature stability	±1°C at idle temperature (when set to 200 to 480°C)

#### Station (Desoldering tool)

Output voltage	AC 24 V
Vacuum generator	Vacuum pump, double cylinder type
Vacuum pressure	80 kPa (600 mmHg, max.)
Suction flow	15 L/min.
Temperature range	330 to 450°C
Temperature stability	±5°C at idle temperature

#### Station (SMD rework station)

Power consumption	30 W
Air flow*	1 to 9 (5 to 115 L/min.)
Temperature range	50 to 600°C

#### Station

Dimensions	370 (W) × 150 (H) × 220 (D) mm
Weight	9 kg

#### Soldering Iron

Power consumption	65 W (26 V)
Tip to ground resistance	<2 Ω
Tip to ground potential	<2 mV
Heating element	Ceramic heater
Standard tip	Shape-B (No. T18-B)
Cord length	1.2 m
Total length**	217 mm (with B tip)
Weight**	46 g (with B tip)

#### Desoldering tool

Power consumption	140 W (24 V)
Nozzle to ground resistance	<2 Ω
Nozzle to ground potential	<2 mV
Heating element	Composite heater
Standard nozzle	ø1 mm S type (No. N61-05)
Cord length	1.2 m
Total length***	168 mm (with ø1 mm S type nozzle)
Weight***	190 g (with ø1 mm S type nozzle)

#### Handpiece (Hot air)

Power consumption	1170 W (230 V)
Standard nozzle	ø4 mm (No. N51-02)
Total length**	250 mm
Weight**	180 g

\* Airflow capacity is rated as free flowing. Restrictions created by various nozzles may reduce the maximum airflow capacity.

\*\* Without cord.

\*\*\* Without cord and hose.