Desoldering / Rework/Desoldering tool

HAKKO FR-410 ESD SAFE
DESOLDERING TOOL

LEAD FREE · ESD SAFE · RoHS

Desoldering tool with built-in vacuum pump
140 W high power enables perfect desoldering on multi-layer PWB
New type nozzle can fit onto micro land patterns and narrow space
Separate nozzle and heater ensure running cost advantage for you

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| Features | Packing List / Specifications | Soldering Tip / Nozzle | Replacement Parts / Option | Maintenance |

Features

140 W high powers enable perfect desoldering for the components on multi-layer PWB

Increasing the power to 140 W from 50 W of our previous models (HAKKO 474・475), it can make it easy to desolder on multi-layer PWB which was never an easy job, and it can also shorten the process time.

A wide selection of nozzle, with the addition of new types, is available for a variety of desoldering works.

Applicable to even micro lands, components in a narrow space or flat type terminals on the PWB of downsized devices like mobile phone.

Long type nozzle performs well in narrow space

Slim and long nozzles can reach to target even in a narrow space
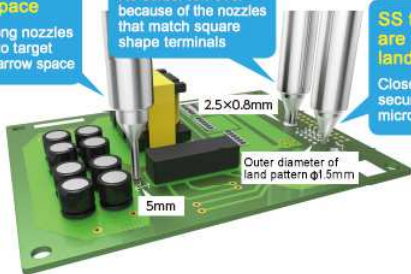
Oval shape nozzles fit well with flat type terminals

No solder left-over because of the nozzles that match square shape terminals

SS type nozzles are for micro land patterns

Close-fitting nozzles secure desoldering on micro land patterns

2.5×0.8mm

Outer diameter of land pattern φ1.5mm

5mm

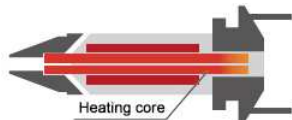**Secure desoldering, valve function that suctions with high pressure**

Suction starts 0.2 seconds after pulling the trigger for instance and high pressure suction to achieve complete desoldering.
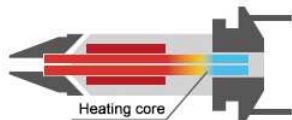

Reduction of solder clogging

・Improvement in heating core

Heating ability for backside of heating core is increased to ensure suctioned solder be carried to filter pipe and avoid solder clogging.

Heating core

HAKKO FR-410

No solder clogging due to higher temperature at the back side of heating core

Heating core

* Image

Previous models

Solder clogs at the backside of heating core

・Featuring ACF (Anti Clogging Function)

ACF (Anti Clogging Function) ensures suctioned solder be carried to filter pipe by keeping the pump running for a certain period of time (1 to 5 seconds) automatically after releasing trigger.

Improvement in maintainability

・Easy nozzle replacement

The dedicated wrench allows safe, easy and smooth nozzle replacement.

・Easy heater replacement

Easy heater replacement by removing 3 screws on the part of heating core.

・Larger filer and more transparency

Filter size has been increased to protect the pump from contaminants, and transparent filter cover allows quick visual check of the filter condition.

・Tool box

FR-410 comes with a tool box that contains of maintenance tools to keep nozzles and heater in a good condition.

Featuring a large LCD display

Very easy to see temperature on the large LCD display

Vacuum indicator to check clogging

Suction with no clogging

Suction with clogging