



# HAKKO

MODEL  
**FM-2023**

**ESD  
SAFE**

**HAKKO**  
MINI PARALLEL REMOVER

- HAKKO FM-2022



- Hot tweezers that enable easy removal of SMD chips and flat packages of up to 25mm in width
- Composite-type design with a built-in heater facilitates the replacement of soldering tips
- Used together with HAKKO FM-203 or HAKKO FM-206

## Features

- Unique parallel movement of tips allows easy removal of SMD chips and flat packs up to 25mm.
- Direct heating prevent damage to neighboring components on high density board.
- ESD safe by design

## Specifications

Model No.	FM2022-02	FM2022-04	FM2022-05
Power consumption	140W (24V)		
Temperature range	200 to 400°C		
Tip to ground resistance	<2Ω		
Tip to ground potential	<2mV		
Heating element	Composite heater		



Model No.	FM2022-02	FM2022-04	FM2022-05
Cord length	1.2m		
Total length	148mm (with SOP 25L tip)		
Weight	64g (with SOP 25L tip)		

AKKO FM-2022 can be operated with Soldering Station [HAKKO FM-203](#).