All-in-1 package contains all essential tools & accessories for SMD/PTH Rework

SMDRWP-MF500-PK... Integrated Packages Include:

Inde MFRS500 Series Based

Placement & Pre-Heat

Inspection

WorkBench Accesories

3-in-1 SMD/PTH Rework System

Digital Soldering Station

Fume Extraction

Toolkits

Soldering Accesories

- All inclusive package, no hassles for customer
- Developed from best of breed tools & accessories

- Covers SMD/PTH soldering & desoldering
- Ideal for service centers, Labs

SMDRWP-MF500-PK-.. Integrated Packages Cover:

SMD soldering

Thru-Hole desoldering

Large SMD Desoldering

Visual Inspection

Fume Extraction

Integrated SMD/PTH Multi-Function Rework Packages, SMDRWP-MF500-PK...

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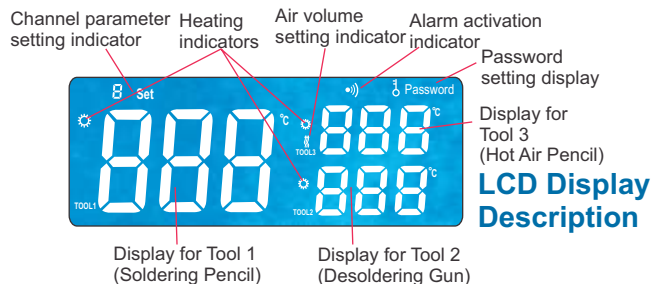## All-in-1 package contains all essential tools & accessories for SMD/PTH Rework

Hot Air Reflow, PTH Desoldering and SMD/PTH Soldering functions work independently
No external compressed air required, fully self-contained - needs main input supply only

L E A D
RoHS Compliant
F R E E

In-built RS232/USB Interface for PC

Push Buttons for digitized temperature control

Push Buttons for air volume control

3 independent
Heating Channels for:
• Hot Air Pencil
• Soldering Pencil
• Desoldering Pencil

Software CD

Hot Air Pencil

Soldering Pencil

Desoldering Pencil

Vacuum Pick-up after desoldering

Channel parameter setting indicator

Heating indicators

Air volume setting indicator

Alarm activation indicator

Password setting display

Display for Tool 3 (Hot Air Pencil)

LCD Display Description

Display for Tool 1 (Soldering Pencil)

Display for Tool 2 (Desoldering Gun)

Monitoring Software

- Provides *3 simultaneous functions* of Hot Air Pencil, Soldering Pencil and Desoldering Gun.
- Integrated in-built powerful vacuum pick-up for gentle lifting of large SMD ICs during desoldering without any damage to SMD pads of expensive PCBs.
- Safely and effectively desolders as large size as 50mm x 50mm SMD ICs.
- Digital electronics control circuitry provides precise and digitized settings for control of temperatures and air flow volume.
- Accurate closed-loop temperature control ensures stability of set temperatures. ON/OFF switching of heating is designed during zero voltage cross-over to avoid any electrical transients to the circuits.
- Password protection for menu functions to avoid changing of set parameters by the operators.
- Large LCD display shows set parameters and readings for temperature of all 3 tools simultaneously.
- Auto sleep function for Hot Air Pencil, Soldering Pencil and Desoldering Gun prolongs the life of Heating Elements and Soldering/Desoldering Tips. Auto-sleep parameters are programmable.
- Has a powerful maintenance-free long-life brushless turbine.
- Built-in temperature offset programming for calibration to meet ISO 9000 requirements.
- Airflow is adjustable with pushbuttons.
- It provides powerful vacuum suction for Desoldering Pencil
- In-built USB Interface for interconnection to external PC of customer
- Set parameters can be monitored on PC thru Monitoring Software
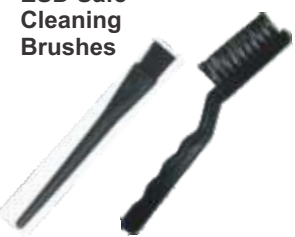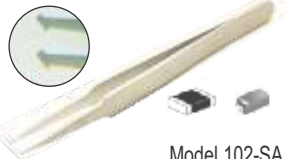
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Soldering & Rework Accessories and Tools in Package

Tip Activator	Solder Wire Stand	Flux/Alcohol Dispensing Bottles	Soldering Aid Kit
Model 51303199 De-oxidation of black tips	for easy dispensing of solder wire	Model MS-035 & ESD-DB-180	Model GSR-107

PLCC Extractor	Flux Pen	Desoldering Pump	Solder Wire Roll	Desoldering Wick PCB Pad Preparation

Electronics Workbench Accessories and Tools in Package

ESD Mat Kit	Vacu-Vise Multi-angle Swivelling	Precision Cutters	ESD Safe Cleaning Brushes
Model 8BM-612A	PD-376 Vacu-Vise	HT-222 CK Cutter	ESD-A2 & ESD-E2

C.K Tools Germany

Vacuum Pickup Pen for SMDs	ESD Safe Soft Tip Tweezer	Superfine curved Tweezer	SMD Tweezer for Chip Components
Model ES37102	Model ESD-259AX	*used with hot air gun for SMD removal* Model 7-SA	Model 102-SA

PCB Holder & Stand

- Integrated Hot Air Pencil stand with circuit board holder
- Aluminium construction
- Maximum PCB size: 380x380mm

Vacuum Pick-up Pen Electrically-operated
Model IVS-381

- ESD safe design
- Light-weight
- Adjustable vacuum upto 225mmHg
- Picks & places SMD chips, SOICs, QFPs

In-built Vacuum Pump

Knob for Adjusting Vacuum

Variety of Suction Nozzles and Pads

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Visual Inspection Magnifiers and Systems

MagnaPRO35B
Digital Video Microscope

IM-2012LED,
Illuminated Magnifier with LEDs

120W Digital Soldering Station

SHT89 Thermal Tweezer Set

Smart Tweezer Package Model SMD-ST5R

IRPH-4 Bottom Infrared Pre-Heating Plate

- Heating Power   : 600 Watt
- Temperature Range : 50°C ~ 350°C
- Plate Area   : 130 x 130mm
- Type   : Infrared

Fume Extraction Systems in the Package

Model I493
Benchtop Fume Absorber

Fume Extraction System
FumePRO201-50

Electronics Maintenance & Repair Master Toolkit
Model ITK-MAS-455

Weller® Made in Germany **Desoldering Pump**

Auto Ranging Pocket type Digital Multimeter

C.K C.K Tools Germany

Cutting Plier (Box joint forged steel construction)

Electronics Maintenance & Repair Master Toolkits
Model ITK-MAS-455-Deluxe

BOSCH

C.K C.K Tools Germany

Cutting Plier (Box joint forged steel construction)

CK Tools Germany, SensoPlus Pliers Kit
Model T3703D

C.K C.K Tools Germany

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Scope of Supply of Packages SMDRWP-MF500-PK....

Description	SMDRWP-MF500-PK1 (Qty Included)	SMDRWP-MF500-PK55-Del (Qty Included)	SMDRWP-MF500-PK29 (Qty Included)	SMDRWP-MF500-PK44-Del (Qty Included)
MFRS500 Multifunction Set, Includes: Power & Control Unit, Hot Air Pencil set with 1 Round Nozzle, Soldering Pencil with 1 Soldering Tip & Stand, Desoldering Pencil with 2 Nozzles & Stand, USB Interface Cable Monitoring Software	1	1	1	1
SMD Hot Air Nozzles Set, Includes Round, 6.4mm dia., 8.2 x 11.7mm 15 x 15mm 21 x 21mm, 24 x 24mm, 30.6 x 30.6mm, 40 x 40mm	1 set	1 set	1 set	1 set
Soldering Stations				
Inde 303D Digital Soldering Station	-	-	1	3
SHT89 Thermal Tweezer Set	-	-	-	1
Spare Parts for Rework System				
Spare Part Kit for Inde MFRS500 Rework System including Filer Pipe, Spring Filter, Ceramic Filters etc.	-	-	2 sets	2 sets
Tips and Desoldering Nozzles Set: • 5xChisel tips 0.8mm; • 5xChisel tips 1.6mm • 10xChisel tips 2.4mm; • 5xKnife tips 3.2mm; • 6xDesoldering Nozzles	-	-	1 sets	1 sets
Placement & Circuit Board				
PCB Holder	1	1	1	1
IR Preheater, IRPH-4	-	1	-	-
Vacuum Pickup, Electric, IVS-381	1	1	-	1
Fume Extraction				
Fume Absorber, I493	1	-	1	-
Fume Absorber, FumePro201-50	-	1	-	1
Visual Inspection				
Table Top LED magnifier (IM-2012LED)	1	1	1	1
Visual Inspection USB based	-	1	-	-
Soldering Accessories				
Solder Wire Stand	1	1	1	2
Solder Wire Roll, 500g	2	2	2	4
Desoldering Wick	3	3	3	4
Tip Activator	1	1	1	4
Flux Pen	2	2	2	4
Flux Bottle	2	2	2	4
Dispenser Bottle	2	2	2	4
Soldering Aid Kit	1	1	1	2
PLCC Extractor	1	1	1	2
Desoldering Pump	-	-	1	2
Workbench Accessories				
Vacu Vice, ESD Mat Kit, Vacuum Pick-up Pen	1	1	1	2
Fine Tip Curved Tweezer	2	2	2	4
ESD Safe Soft Tip Tweezer & SMD Tweezer with notches	1	1	1	4
Cutting Pliers Standard	2	2	-	4
CK Tools Germany Hi-end Cutting Pliers	-	-	2	-
ESD Safe Cleaning Brush, A2 & E2	2	2	2	4
Testing				
SMD-ST5R Smarttweezer Package	-	-	1	1
Toolkits				
CK Tools Basic Toolkit T3703D	-	-	-	1
Master Toolkit ITK-MAS-455	-	-	1	-
Master Toolkit Deluxe ITK-MAS-455-Deluxe	-	-	-	1

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Optional Items or Substitutions (not included in standard package)
Select as per need

Torque Controlled Electric Screwdriver, Auto Shut-off Model IS-6500

• Torque range: 4 ~ 18 Kgfcm
• Forward/Reverse rotation feature
• Variety of interchangeable bits
• Power Supply: 220VAC/50Hz
• Output Voltage: 30V DC
• Collet Size: 1/4" Hex

Wera Germany Torque Wrench Model 7003C
Torque range: 40 ~ 200 Nm

Reversible ratchet with accuracy of ±4 % of set value

- Wera Series 7003C – the classic torque wrench.
- 1/2" Drive
- Length: 440mm
- Release signal when the value is reached.
- Suitable for right and left-hand direction.

Hi-Quality Econo Triple Output DC Power Supply Model: QJ3003XIII

- Output 1: 0~30V/3A
- Output 2: 0~30V/3A
- Output 3: 5V/3A (Fixed)

• Large LCD display
• Step-by-step current limit
• Auto tracking on series or parallel connections
• Supplied with extension connectors

Coaxial Cable Toolkit Model TK-COAX-1221

It includes necessary tools for
- Cutting
- Stripping
- Crimping Tools
  for coaxial cables and crimping connectors.

ESD Safe Toolkit in Zipper Bag Model ITK-ESD-3141

CK Tools Germany PrecisionElectronics Toolkit Model T3707DX

Wera Germany 8100 SC 1 Zyklop 22 Pcs Ratchet Set, 1/2" Drive P/N: 05003644001 (Metric)

• 22-piece set in strong metal case
• 1 Zyklop ratchet with ½" drive
• 17 Zyklop sockets (metric)
• 2 Zyklop extensions (short and long) with free-tuning sleeve
• 1 sliding T-handle
• 1 universal joint

Wera Tools. From Ideas. Germany

Adjustable Temperature Hot Air Gun with Digital Display of temperature Model I885-ESD

• LCD display
• Power 2100 Watt
• Precise closed loop control
• Noise level: ≤70dB
• Temperature Control: 50°C to 650°C
• Air Volume:
  - 180 litre/minute at Step I, cold air
  - 200 litre/minute at Step II, hot air
  - 400 litre/minute at Step III, hot air

American Beauty USA Thermal Wire Stripper Model 10503-220

Strips PTFE wires thermally as per MIL Specs

American Beauty

Unique design needs low cost Blades replacement only, not expensive complete hand-piece. Strips wide variety of insulations: as Tefzel, Teflon, Kapton, Kynar thermally, without any nick and cut on wires to meet Aerospace and other MIL specs

CK Tools Germany Deluxe Core Toolkit Model ITK-DCT-T5957-FL15B

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