

# JBC RMSE / RMVE

## Complete Rework Station



The RMSE / RMVE is the quickest and safest solution to solder and rework all kind of SMDs. It consists of stackable modules and all the necessary tools and accessories to make your job easier including, the DR560 Desoldering Iron, the T245 General Purpose Handle and the JT-TA Hot Air Heater.

The DDE manages up to 2 tools simultaneously and is fully compatible with 10 different JBC tools. Check below the complete list of compatible tools. The JTSE Hot Air Station controls the rework task using temperature and air flow profiles.

The Desoldering Module generates the vacuum needed to remove the molten solder from plated through hole and surface mount pads with the DR560. There are two station models, the RMSE which works with an electric pump and the RMVE which works with compressed air supply.

It provides the best soldering quality thanks to JBC Most Efficient Soldering System and additionally Sleep & Hibernation modes help to extend life of tips.

It features all the Excellence range benefits such as station customization, full control of soldering processes and remote work management.

**Don't believe us...  
TRY IT!**



## REFERENCES

Equipped with Electric Pump:

**RMSE-9QF** 100 V

**RMSE-1QF** 120 V

**RMSE-2QF** 230 V

## PRODUCT COMPOSITION

- 1 DDE 2-Tool Control Unit
- 1 JTSE Power Hot Air Control Unit
- 1 MSE Electric Desoldering Module
- 1 T245 General Purpose Handle (cartridge not included)
- 1 DR560 Desoldering Iron (C560003 already inserted)
- 1 JTT Heater Hose Set
- 1 ADS Stand for T210 & T245
- 1 DRS Stand for DR560
- 1 JTS Stand for JTT
- 1 SCH for Cartridge & Tips Holder
- 1 ESHT Magazine for Protectors & Extractors
- 1 T260 Pick & Place Handle
- 1 PH218 Thermocouple Type K

## SPECIFICATIONS

### JTSE CONTROL UNIT

<b>Peak power</b>	700 W
<b>Selectable temperature</b>	150 to 450 °C / 300 to 840 °F
<b>Air flow regulation</b>	5 to 50 SLPM
<b>Vacuum</b>	30% / 228 mmHg / 9 inHg
<b>Profiles</b>	25 (up to 10 steps for each), 1 preset profile
<b>Type K TC connector</b>	1 for Control & Protection
<b>ESD safe</b>	Meet ANSI / ESD S20.20-2021
<b>Equipotential bonding</b>	Connection to EPA
<b>USB-A</b>	Firmware update Graphics and profiles
<b>USB-B</b>	PC communications
<b>RJ12 Connector</b>	Remote control or FAE Fume Extractor connection
<b>Pedal connector</b>	Tool control

## PRODUCT COMPOSITION

- 1 JTSE Power Hot Air Control Unit
- 1 DDE 2-Tool Control Unit
- 1 MVE Pneumatic Desoldering Module for DD & DM
- 1 T245 General Purpose Handle (cartridge not included)
- 1 DR560 Desoldering Iron (C560003 already inserted)
- 1 JTT Heater Hose Set
- 1 CL Manual Tip Cleaner
- 1 ESHT Extractor Stand, composition:
  - 1 E2052 Extractor 52 (20 x 20 mm)
  - 1 E2184 Extractor 80 (24 x 24 mm)
  - 1 E2064 Extractor 64 (20 x 26 mm)
  - 1 P2220 Protector 32 (10 x 10 mm)
  - 1 P2235 Protector 24 (12 x 17 mm)
  - 1 P4000 Protector 44 (12.5 x 12.5 mm)
  - 1 P2230 Protector 48 (15 x 15 mm)
  - 1 P4010 Protector 60 (17 x 17 mm)
  - 1 T2050 Tripod Ø 39 mm
  - 1 T2250 Tripod Ø 85 mm
- 1 JN2015 Bent Nozzle Ø4 - 18° for JTT
- 1 JN2012 Bent Nozzle Ø6 - 18° for JTT
- 1 JN2020 Straight Nozzle Ø8 for JTT
- 1 SCH for Cartridge & Tips Holder
- 1 ADS Stand for T210 & T245
- 1 DRS Stand for DR560
- 1 JTS Stand for JTT
- 1 T260 Pick & Place Handle
- 1 PH218 Thermocouple Type K
- 1 PH217 Kapton Tape

## SPECIFICATIONS

<b>Temperature (DDU)</b>	90 to 450 °C / 190 to 840 °F
<b>Temperature (JT)</b>	150 to 450 °C / 300-840 °F
<b>Air Flow (JT)</b>	5 to 50 SLPM
<b>Operation modes (JT)</b>	Heating / Profiles / Cooling
<b>Vacuum at 6 bar (MVE)</b>	90% / 680 mmHg / 26.8 inHg
<b>Flow rate (MVE)</b>	15 SLPM
<b>Air pressure supply (MVE)</b>	up to 6 bar
<b>Vacuum (JTSE)</b>	30% / 228 mmHg / 9 inHg

**DDE CONTROL UNIT**

<b>Peak power</b>	150 W per tool
<b>Selectable temperature</b>	90 to 450 °C / 190 to 840 °F
<b>Temperature accuracy</b>	±3%
<b>ESD safe</b>	Meet ANSI/ESD S20.20-2021
<b>Equipotential bonding</b>	Optional connection to EPA
<b>Tip-to-ground resistance</b>	<2 ohms
<b>Tip-to-ground voltage</b>	<2 mV RMS
<b>USB-A</b>	Firmware update Graphics and profiles
<b>USB-B</b>	PC communications
<b>FAE / Robot connector</b>	Remote control or FAE Fume Extractor connection

**MSE MODULE**

<b>Vacuum</b>	75% / 570mmHg / 22.4inHg
<b>Flow rate</b>	9 SLPM
<b>ESD safe</b>	Meet ANSI/ESD S20.20-2021
<b>ESD safe</b>	

**WEIGHT AND DIMENSIONS****CONNECTIVITY**

<b>USB-B</b>	Software PC / Traceability
<b>USB-A</b>	Firmware update. Soldering Graphics / Profiles management.
<b>Robot</b>	RS-232 remote control or Smart Fume Extractor connection
<b>TC Type K (JT)</b>	Can be used both for Control and Protection purposes.
<b>Pedal connector</b>	Optional tool control
<b>Equipotential bonding</b>	Optional connection to EPA

**ESD/EOS**

<b>ESD safe</b>	
<b>Tip-to-ground resistance</b>	<2 ohms
<b>Tip-to-ground voltage</b>	<2 mV RMS

**Power supply**

<b>Peak Power (DDU)</b>	150 W per tool – 23.5 V
<b>Peak Power (JT)</b>	700W
<b>Operating temp. range</b>	10 to 50 °C / 50 to 120 °F

**WEIGHT AND DIMENSIONS**

<b>Dimensions/Net weight</b>	See individual modules
<b>Package</b>	370 x 480 x 380 mm / 16.50 kg 14.6 x 18.9 x 15.0 in / 36.38 lb

## CONNECTABLES

### Modular System



MSE-A

Electric Desoldering Module for DDE &amp; DME



MVE-A

Pneumatic Desoldering Module for DDE &amp; DME



MNE-A

Nitrogen Flow Regulator for DDE, DME &amp; HDE

### Compatible tools



PA120-A

Micro Tweezers



AM120-A

Adjustable Micro Tweezers



HT420-A

Thermal Tweezers



T210-A

Precision Handle



T210-NA

Nitrogen Precision Handle



T245-A

General Purpose Handle



T245-NA

Nitrogen General Purpose Handle



DS360-A

Micro Desoldering Iron



DR560-A

Desoldering Iron



TE-TB

Precision Heater Hose Set



JTT

Heater Hose Set

### Accessories



P-005

Pedal



EXTRACTORS Extractors for desoldering jobs using Hot Air Stations



TRIPODS

Tripods for desoldering jobs using Hot Air Stations



PROTECTORS Protectors for desoldering jobs using Hot Air Stations



JTNOZZLES

for JTT Heater Hose Set



TENNOZZLES

for TET Precision Heater Hose Set



T260-A

Pick &amp; Place Handle



P-405

Pedal for Nano Rework Station