

**TECHNICAL SPECIFICATIONS (INDENT NO. 20142533)**

**RE-WORK STATION (MICROPROCESSOR CONTROLLED & DIGITAL) MULTIFUNCTION SOLDERING, DE-SOLDERING SYSTEM**

Soldering/De-soldering system detailed composition and technical data is given below:

**1. Microprocessor Controlled Multi Digital Power and Control Unit with built-in vacuum pump, 1-Channel.**

- a. Line Voltage 230V, 50Hz
- b. Power Input 175W
- c. Fuse Glass cartridge type
- d. Temperature Control with Zero Soldering/De-soldering iron continuously 50°C-450°C  
Voltage cross switching and Hot air pencil 50°C-550°C
- e. Controlling Tolerance Soldering/De-soldering iron ± 2% of the final value and  
Hot air pencil ± 30 °C.
- f. Pilot light For heating status.
- g. Pump Maximum low pressure 0.7bar; maximum air flow of  
20ltrs./min and Hot air maximum 10 ltrs/min
- h. Manometer For vacuum control
- i. Potential Balance Via 3.5mm switch jack socket on the rear of the unit
- j. Foot Switch connector Over adapter as accessories

**2. De-soldering Iron set with service kit compatible with Multi Digital Power and Control Unit.**

- a. Operating Voltage 24V
- b. Wattage 80W
- c. Switch Micro-finger switch for vacuum pump control
- d. Provision for different interchangeable tiplets
- e. Accessories to be included:
  - De-soldering Iron support
  - Cleaning Tool
  - Glass collector
  - De-soldering nozzles
  - Gaskets
  - Anti-bloc paste
  - Filter set
  - Standard set of CSF devices (Corresponding Soldering tool family)

**3. Hot Air Pencil set with Finger switch compatible with Multi Digital Power and Control Unit.**

- a. Operating Voltage 24V
- b. Wattage 100W
- c. Hot Air Flow Adjustable and static-free
- d. Hot Air Pump Control By Finger Switch on pencil
- e. Temperature control range 50°C-550°C
- f. Accessories to be included:
  - Support for pencil
  - Nozzles 1, 2 & 3mm
  - Key & Nut Driver set

4. Micro Soldering Pencil set compatible with Multi Digital Power and Control Unit.

- a. Operating Voltage **24V**
- b. Wattage **80W**
- c. Accessories
  - Support

5. The party should provide guarantee/warrantee minimum for one year from the date of acceptance of material at BHEL, Haridwar.



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SCOPE OF SUPPLY  
FOR MAT CODE ZMI290101018  
INDENT NO. 20142533, Dt.-22/08/2014

RE-WORK STATION(MICROPROCESSOR CONTROLLED & DIGITAL) MULTIFUNCTION SOLDERING, DE-SOLDERING SYSTEM		
SI	Item Description	Qty
1	Microprocessor Controlled Multi-Function Digital Rework Station built in pump, 1 Channel Consisting of Digital Power and Control Unit.	1 No.
2	De-soldering Iron Set consisting of: • De-soldering Iron • Nozzle • Support Rack • Cleaning Sponge • Nozzle Changing cum Cleaning tool	1Set 01No 01No 01No 01No 01No
3	Soldering Pencil Set (Silver line) consisting of: • Soldering Pencil • Soldering Tip • Support Rack • Cleaning Sponge	1Set 01No 01No 01No 01No
4	Hot Air Pencil Set consisting of: • Hot Air Pencil • Support Rack with Cleaning Sponge • Nozzle Changing Tool • Round Nozzle 1.2mm Diameter	1Set 01No 01No 01No 01No
<b>Accessories</b>		
5	De-soldering Nozzle, 1.2mm ID, 23 mm length	5No
6	De-soldering Tip let, 1.2mm ID, 29 mm length	5No
7	Soldering Tip 2.4mm, Chisel type	2No
8	Long Soldering Tip, 1.2mm Chisel type for high density soldering	2No
9	SMD Soldering Tip with cavity for soldering SMD components	1No
10	Hot Air Nozzle dia 3.0mm, Universal Nozzle	1No
11	Inserts for Chip components of various sizes	1No
12	Misc. Inserts	1No
<b>Spares</b>		
13	Spare Glass Tube (4 pcs/set)	1Set
14	Mineral Filters for Glass tube (10pcs/set)	1Set
15	Spare Gaskets (10pcs/set)	1Set
16	Spare Filter cartridge for inlet plug (4pcs/set)	1Set
17	Tip Activator	1No
19	Flux Pen	1No
20	Vacuum Pump	1No