### J-STD-001 Training Lab Tools and Equipment

#### Instructor Use
- Work Bench w/Electrical Strip
- Safety Glasses
- ESD Wrist Strap
- Instructor scope/Vision system
- Hi Intensity Lamp
- Circuit Card holder
- Trash Can
- Chair
- Video Display System
  - Computer*
  - LCD projector*
  - Projector Screen
  - TV/VCR for videos
  - Monitor for vision system
- 35mm slides and projector optional
- White Board with markers

#### General Lab Use
- Solder pot with lead free alloy required for CIT training, alloy type optional for CIS training
- Bar Solder for Solder Pot
- General Consumables such as:
  - Acid brushes
  - Liquid Flux
  - Wipes

#### Student Soldering Lab
Each student will need one training kit appropriate for the Sessions/Modules being trained, plus one kit for use by the instructor in demos.

One of each item per student work station (maximum 12 students) plus one set for the instructor demo desk (except microscope).

- Work Bench, w/Drawers, Power Strip, Foot Rest
- Chair
- Safety Glasses
- ESD Wrist Strap
- Student microscope
- Hi Intensity Lamp
- Lighted Magnifier (optional)
- Trash Can
- Circuit Card holder
- Soldering/workstation power supply with:
  - Temperature Controlled Soldering Iron
  - Thermal wire strippers
- Soldering Iron tips (these are consumables)
  - 1/16" Chisel tip
  - 1/32" Chisel tip
  - 1/64" conical tip
  - 1/32" bent conical tip
  - 1/8" Chisel tip
- Solder (wire), various sizes (consumables)
  - 0.010" or .015"
  - 0.020"
  - 0.031"
  - 0.063" tinning
- Lead forming tools suitable for axial leaded devices of various sizes
  - (1/8w)
  - (1/4w)
- Hand Tools
  - Mechanical wire strippers
  - Diagonal cutters
  - Round nose pliers
  - Flat nose pliers
  - Curved Tweezers
  - Spudger such as orangewood stick
  - Terminal Block (to hold various solder terminals)
- Workstation consumables:
  - Water bottles
  - Cleaner
  - Flux pens