Equipment List

The list below are the tools needed for setting up a workstation for training Certified IPC Trainers to all modules of IPC’s Rework, Repair and Modification Training and Certification Program.

The tools listed are, in most cases, generic in nature and any tool that will do the job can be used.

**Individual assets:**
- Soldering system with the following handpieces (may be one system or individual):
  - Soldering Iron, Desoldering, Vacuum, Hot Air and Tweezer
  - Light duty Lamp
  - Hi Intensity quartz Halogen Lamps (single illuminator)
  - Lead bending/forming tool(s) Christmas tree, 1/8w, 1/4w & 1/2w
  - Circuit card holder/vise
  - Mechanical wire strippers
  - Straight Tweezers (4”)
  - 45 degree tweezers (4”)
  - Diagonal cutters (4”)
  - Round nose cutters (4”)
  - Chain nose pliers (4”, smooth jaw)
  - Spudger (soldering aid, flat sided)
  - Knife set for cutting traces and scraping
  - Epoxy Mixing Pallet
  - Microscope
  - Dental picks

**Shared assets (two or more students share these assets):**
- Pin Gauges
- Eyelet Setting Tool/Jewelers Anvil
- Paste dispensers
- Mini-Solder pot
- Mini-Drill/Micro-Drill
- Caliper
- Oven
Consumables
1/16" Chisel tip
1/32" Chisel tip
1206 Chip removal tip for iron
Tweezer tip for 0805 chip
Hot air pencil tip small single jet
Desoldering tips for desoldering using continuous and individual methods
SOT removal tip for iron
SOT dual jet tip for hot air pencil
Hot air pencil flat end tip
SOIC14 removal tip for iron
Large and small cup shaped surface mount installation tip for iron
.4” and .5” blade tips for tweezer handpiece
LQFP 44 tip for iron
TQFP 100 removal tip for vacuum handpiece
TQFP 100 removal tip for tweezer handpiece
PLCC28 removal tips for tweezer handpiece
Knife blade tip for iron 1/64” straight or bent conical tip for iron
Heat Shrink
Wicking material (small, medium, large)
Epoxy
Various Ball mills
Eyelets
Adhesive for tacking jumper wires
Jumper wire
Dry film adhesive conductor repair kits
Tape
Coloring agent
Wood sticks
Sand paper 400 & 600 grit
Acid brushes
Paste dispensing needles, pink .023, Purple .020, Blue .016
Flux
Flux pens
Solder .010, .020, and large gauge for tinning and bridge filling
Solder Paste
Cleaner
Wipes
Various filters, tip cleaners, for maintaining handpieces and stations
Vacuum cups
Conformal coating