

## Studio Equipment Checklist

### Intaglio / Relief / Monotype:

- American French Tool etching presses (3):
  - bed size 40 x 70"
  - bed size 40 x 70"
  - bed size 48 x 78"
- Charles Brand etching presses (2):
  - bed size 30 x 50"
  - bed size 32 x 52"
- Griffin etching press:
  - bed size 21.75 x 40"

### Lithography:

- Griffin manual lithography press
  - o bed size 26.5 x 45.5"
- Takach motor-driven lithography press
  - o bed size 33 x 56.5"
- lithographic stones ranging in size from 10 x 14" to 28 x 32"
  - o \_\_\_\_\_
- metal printing base for plate lithography: 32 x 51"

### Letterpress:

- Vandercook SP15
  - o Maximum form size 14 x 18"
  - o Maximum printable area 12 x 15"
  - o Maximum sheet size 14 x 20"

### Letterpress (cont):

- Vandercook SP20
  - o Maximum form size 19 x 26"
  - o Maximum printable area 17 x 22"
  - o Maximum sheet size 19 x 28"
- Nolan Manual Hand Proofing Press
  - o maximum 14 x 20" form size
- Magnetic Printing bases
  - Patmag base: 12 x 16"
  - Bunting base: 8 x 11 1/4"

### Screen Printing:

- Large vacuum table with arm (manual printing):
  - o Vacuum area 36" x 48"
  - o Maximum screen size 50 x 72" (or 48 x 60" if using the vacuum area)
- Cincinnati Vacuum table with arm (manual printing):
  - o Vacuum area 27 x 43"
  - o Maximum screen size 42 x 64"
- Portable clamp boards (screen printing surfaces)
- Backlit washout booth
  - o Inside sink dimensions: 24" D x 44" W x 44" H
- Squeegees for hand printing (various durometers)
  - o sizes range from 4 inches to 32 inches
- Squeegees for use with one-arm printing table (75 durometer)
  - o sizes: 12 inches, 16 inches, 20 inches, 24 inches, 32 inches and 36 inches

**Exposure Room:**

- Amergraph Advantage 150 Screen exposure unit
  - Maximum outside dimensions of silkscreen 30" x 40"
- Anderson Vreeland Orbital VIII Photo-Polymer Platemaker
  - Maximum plate size A2 / 16" x 23"

**Photo Dark Room:**

- Enlargers:
  - Beseler 23C II
  - Beseler 45MXT (colour head)
  - Beseler 45 MX II (cold enlarger)
- NuArc FT26MH flip-top vacuum exposure system (single point metal halide bulb): used for photo-intaglio, photo-litho and alternative photo processes. Maximum plate / paper size approximately 18 x 24" or 20 x 22"

**Acid Room:**

- Etching chemistry:
  - Edinburgh Etch (Ferric Chloride and Citric Acid) for copper
- Nitric acid (for stone lithography and spit bite)
- Trays for etching (various sizes)
- Sodium bicarbonate for neutralizing acid

**Digital Lab:**

- Computer stations (4)

**Printers:**

- (1) Epson 9900 (44" wide, photo and matte black inks)
- (1) Epson p8000 (newest model 44" Printer)
- (1) Epson p6000 (newest model 24" Printer)
- Epson 4800 (17" wide, matte black ink)

**Scanners:**

- Imacon Flextight 848 Virtual DrumScanner (scan films up to 4"x5", reflective materials up to A4)
- Epson 10000 XL Photo Flatbed Scanner (12"x 17")
- Epson 4490 Photo Flatbed Scanner (Letter size)

**Computer Software:**

- Adobe Creative Suite
- Other: \_\_\_\_\_

**Other studio equipment:**

- Work tables
  - (3) in main studio
  - (1) in back studio
- Challenge 265 manual paper cutter (for cutting stacks of paper)
  - Maximum paper size: 26.5 x 40"
  - Maximum thickness of paper stack: 3.5"
- Book press (nipping press)
  - Platen size: 9 x 14"
- Plate shear for metal plates up to ¼ inch thick:
  - Maximum width of plate: 36.5"
- Aquatint boxes:
  - Box for use with pre-ground, powdered rosin: maximum plate size (approx) 44 x 56"
  - Box for use with lump rosin: maximum plate size (approx) 14 x 20"
- Tear bars (up to 48" long)

# Consumable Supplies

## General:

- Rags
- D\*solve or SoySolv II (Vegetable Cleaning Agents / bio-based solvents; alternatives to mineral spirits)
- Mineral spirits
- Isopropyl Alcohol 99%
- All-purpose cleaner (Dr. Bronner's Sal Suds or Simple Green)
- Newsprint

## Etching / Intaglio:

- Etching chemistry
- Powdered rosin
- Lump rosin
- Soda ash (sodium carbonate)
- Vinegar
- Soy Sauce
- Whiting (calcium carbonate)
- Sodium bicarbonate (baking soda) for neutralizing acid

## Lithography:

- Cheesecloth
- Lithotine
- Asphaltum
- Gum arabic
- Nitric acid
- Acetic acid 1:10
- Phosphoric acid
- Magnesium carbonate
- Powdered rosin
- Talc
- Tympan grease

- Shop mix black ink for leather roller
- Plastic wrap (for wrapping leather roller)
- Carborundum for graining lithographic stones: 80, 100, 150, 180, 200, 220 and 280 grit

## Screen printing:

- Photo-emulsion
- Emulsion remover
- Silkscreen de-hazer (available on request from Print Studio Manager)
- Disposable ear plugs for use with pressure washer

## Letterpress:

- Vanson rubber-based Ink: Black (10850), Process Blue, Warm Red, Yellow, Opaque white, Transparent white
- Magnesium carbonate
- Crisco

## Photo dark room:

- Disposal drums for fixer and developer