



Dundee Contemporary Arts

PRINT STUDIO EQUIPMENT LIST

1. PRINTMAKING

Praga multi purpose motorised printing press

Printing bed size 150 x 225cm (60 x 90 inches) An extra heavy-duty machine with adjustable upper roller to facilitate printing large scale etchings, lithographs, relief prints, monotypes and collographs. Micrometer pressure gauge enables pinpoint pressure accuracy.

Rochat double geared etching press

Printing bed size 65 x 120 cm (26 x 48 inches) A heavy-duty machine with optimum pressure in the production of etchings.

Polymetaal etching press

Printing bed size 80 x 160 cm (32 x 64 inches) A heavy duty machine with adjustable upper roller to facilitate printing etchings, lithographs, relief prints, monotypes and collographs. Micrometer pressure gauge enables pinpoint pressure accuracy.

Polymetaal portable etching press

Printing bed size 40 x 60 cm (16 x 32 inches) A lightweight machine with adjustable upper roller to facilitate printing etchings, lithographs, relief prints, monotypes and collographs. Micrometer pressure gauge enables pinpoint pressure accuracy.

Tofko (Norup) Studium Press - Etching/relief printing, with quick-lift handle.

McCrone Engineering hydraulic press

Bed size 57 x 77 cm (23 x 31 inches) A heavy duty machine for papermaking and embossing.

Morgan Rushworth direct drive metal plate guillotine

126cm cutting length, electrically driven etching plate cutter.

Ratcliff direct motorised lithographic press

Printing bed size 67 x 100 cm (26.5 x 39.5 inches). A heavy duty machine for printing lithographic stones.

Britannia Relief printing press

Bed size 50 cm x 64 cm. Albion style press for lino and wood blocks.

McCrone Engineering hydraulic lifting table

A heavy-duty metal top table, 70 x 100 cm, for transporting lithographic stones. Minimum height 55cm, maximum height 100cm

2. SCREENPRINT

Kippax paraprint ¼ automatic parallel lift screenprinting table #

Maximum print area 121 x 182cm (48 x 72 inches). A horizontal lift screenprinting table with clearance of either side for overhang. Assisted pneumatic squeegee drive and pressure control. Pneumatic frame raise and lower. Fine pitch x – y registration on printing base.

2 x Kippax paraprint ¼ automatic parallel lift screenprinting tables

Horizontal lift screenprinting tables with clearance of either side for overhang. Assisted pneumatic squeegee drive and pressure control. Pneumatic frame raise and lower. Fine pitch x – y registration on printing base.

1 Kippax manual screen print table

Maximum print area 76 x 101cm (30 x 40 inches).

Natgraph metal halide actinic light source

4/6 kw with eight channel programme readout integrator.

Aluminium screens (49 to140T mesh) #

Screens for hire, ranging from 70 x 87cm (28 x 34 inches) to 170 x 239cm (67 x 94 inches).

DIGITAL SCREEN MAKERS

GOCCOPRO QS2536 high-resolution digital screen maker. Environmentally friendly, completely dry digital thermal screen making system.

Frame sizes up to 635 x 914mm.

MiScreen Instant Print Screen Maker high-resolution A4 digital screen making.

PHOTO-PROCESSING

Natgraph vertical photo-stencil printing down frame

Maximum screen frame size 170 x 271cm (67 x 107 inches). Easy to use, space saving design with screen frames vertical at all times. Ultra fast vacuum exhaust system.

UV Exposure Unit with Vacuum Blanket

Maximum exposure area for Flat Plates: 560 x 440mm

3. DIGITAL IMAGING and CAD

The Print Studio has facilities for the production of all types of digital art. The latest technology provides high-end equipment, colour scanning and high-resolution archival quality print output.

2 x **Apple iMac** 20-inch widescreen display, with 2.0GHz dual-core Intel processor

Various PCs.

SOFTWARE:

Adobe Photoshop Creative Suite 3 Extended Production Premium

Adobe Lightroom

Premiere Pro CS3

After effects CS3 Pro

Flash CS3 Pro

Illustrator CS3
Soundbooth CS3
Adobe Encore CS3
Mitton 3D Lenticular Software

CNC MACHINES

Cadcam FB1530 laser-cutter. Large format machine, 40 watt power. Cutting area 1443mm x 968mm **APS Ethos software**

Denford Vertical Router. Large-format 3-axis CNC Router. 1200 x 800 mm working envelope **Denford software**

Summa Cut Series D120R Vinyl cutter. Drag-knife with turbocut and tangential emulation modes. Blade, pen and Pounce tool. Media width 127cm, cut width 123cm.

Sure Cut Software

Roland EGX-300 Desktop Engraver
Cutting area 305mm (X) x 230mm (Y) x30mm (Z)

3D PRINTING

Up! Plus 2 3D printer
Build Volume/Size: (W) 140 x (D) 140 x (H) 135 mm. Material: ABS
Layer Thickness / Print Resolution: 0.15 / 0.20 / 0.30 / 0.35 / 0.40 mm

MakerBot Replicator+ Build Volume/Size: (W) 295mm x (D) 195mm x (H) 165mm. Material: PLA

Various 3D modelling software packages

Sense Hand-held portable 3D scanner.

DIGITAL PRINTERS:

Epson Surecolor 9500 A0+ 44" /111.8cm wide format printer
With Ultrachrome K3 with Vivid Magenta archival pigment inks.
Epson SureColor SC-P600 A3+ Colour Inkjet Printer
With Ultrachrome K3 with Vivid Magenta archival pigment inks.
Epson Stylus Photo RX585 A4 scanner/printer with archival **Claria Photographic ink**
Epson Stylus Photo 1500 A3+ with archival **Claria Photographic ink**
Xerox A3 Laser Colour Photocopier with booklet maker and high resolution A3 scanner

1 Riso MZ1070 A3 two-colour printer/scanner.
2 x Riso RP 3700 A3 colour printers and scanner.
11 Riso colours

OTHER PERIPHERALS:

Epson Perfection V700 Photo A4 flatbed scanner with transparency unit #
Various Wacom Tablets
Panasonic Lumix DMC-FZ50 Zoom 10.1 MP Digital SLR Camera

4. DARKROOM

**3 x *Kaiser* enlargers with multi grade heads
Schneider lens (50mm and 80mm)**

LPL Enlarger CP6700

OTHER

Hollander beater and other papermaking equipment

SeaLion Easymount 650 Cold Laminator (for Lenticular prints)

Works with most cold mounting and over-laminating films and materials.
670mm working width, up to 15mm thick.