



Dundee Contemporary Arts

PRINT STUDIO EQUIPMENT

The Print Studio is located at the core of Dundee Contemporary Arts. 490sq. metres of floor space houses the latest, state of the art equipment in printmaking, photography and computer digital imaging which, with available staff expertise, enables artists to work across media on large format prints. Smaller scale, traditional print and low tech facilities ensure that beginners never feel out of their depth or intimidated by sophisticated technology. The studio is a marriage of old and new, of tradition with new technology and the latest technical developments within print.

Below is a list of the main pieces of equipment available through the studio. In addition, there is a full complement of sundry kit for use with this equipment. Other materials, such as printing paper are available for sale.

What equipment is available?

The studio equipment is divided into four main categories:

1. **Printmaking**
2. **Photo-processing**
3. **Digital Imaging**
4. **Photography**

1. PRINTMAKING

The studio has the best printmaking equipment for a diverse range of end user needs. The latest large format, motorised, pressure assisted and pneumatic machinery makes it possible for users to work with ease across the traditional print disciplines. Smaller scale, low-tech facilities ensure that beginners never feel out of their depth or intimidated by sophisticated technology.

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. Portability is ideal for outreach projects.

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.

Viscosity etching rollers

Various sizes up to 30 cm diameter x 76 cm long

Ratcliffe 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.

Dornier Colourtone offset motorised plate lithography press

Bed size 44cm x 64 cm

Motorised presses for printing zinc lithographic and photolithographic presses

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.

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

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

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.

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).

Horizontal plan chests #

A0 size (six drawer) and A1 size (six drawer) plan chests, for hire to store users prints.

Hollander beater and other papermaking equipment**2. 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.

Natgraph enclosed exposure system

Maximum exposure size 101 x 127cm (40 x 50 inches)

A metal halide 2 kw light source with self-compensating light integrator. Glass cooling fan. Stencil safe and retouching lights. For all photo-print techniques bar screenprint.

3. DIGITAL IMAGING

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

PRINTERS:

Epson Stylus Photo R2400 A3+ Colour and black and white printer
With **Ultrachrome K3** archival pigment inks.

Xante A3 Accela writer 3N and laser writer 1200 dpi #

OTHER PERIPHERALS:

Epson GT 9500 A4 flatbed scanner with transparency unit #
Minolta Dimage 35mm transparency scanner unit

1 Panasonic Lumix DMC-FZ50 Zoom 10.1 MP Digital SLR Camera

SOFTWARE:

Adobe Photoshop Creative Suite 3 Extended Production Premium
Premiere Pro CS3
After effects CS3 Pro
Flash CS3 Pro
Illustrator CS3
Soundbooth CS3
Adobe Encore CS3

with Adobe Dynamic Link, Adobe Bridge CS3, Device Central CS3, and Adobe Acrobat Connect, Adobe On location CS3.

4. DARKROOM

3 x **Kaiser enlargers with multi grade heads**
Schneider lens (50mm and 80mm)
Nova fibre print washer
2 x **Nova film washers**
2 x **plastic coated print washers**
2 x **Devappa print dryers**
2 x **Devappa film drying cabinets**

2 x **Pentax MZ-M cameras with 35mm F4 – 80mm F5.6 lenses #**

HEALTH AND SAFETY

The Print Studio has a separate Health and Safety Policy Document that is available from the office. On registering, all users are given a copy of this document for their own protection.

Registered users are required to sign a form stating that they have read and understand its contents before gaining non-assisted access to the studio equipment.

The document details information on:

- Overall responsibility for Health and Safety within the studio
- Health and Safety officer
- First Aid procedures
- General fire safety
- Fire and emergency routes
- Fire drill
- Removal of injured persons
- Health and Safety training and instruction
- Smoking, eating and drinking
- Safe working practices
- Registered users use of the facility
- Health and Safety policy for registered users, visitors and contractors
- Equipment training and instruction
- Substances hazardous to health
- Personal protective equipment
- Fumes
- Storage of hazardous materials, dispensing and disposing
- Electrical and mechanical appliances
- Extractor fans
- Safe housekeeping
- Product data and health and safety information
- COSHH health and safety standards and regulations
- HASAWA (Health and Safety at Work Act) standards and regulations
- Name and address of inspecting authority