



EQUIPMENT SOLUTIONS



Stencil Processing Units, Washout Booths, Extraction Fans, Solvent Recirculation Unit, High Pressure Washers & Angled Light Boxes



stencil processing



screen printing



air force



ultra violet



infra red



Natgraph manufacture a complete range of Stencil Processing Units and Washout Booths in 7 standard sizes to accept screen frames from small through to large print formats.

This equipment is designed to meet the operational needs of fine quality stencil processing and manual screen cleaning, as well as environmental and safety requirements.

The Stencil Processing Units are brightly illuminated to aid in 'image washout' and are equipped with an in-line water heater and hand held spray head.

The Washout Booth is available in 2 versions, for stencil removal with water and screen cleaning (ink removal) using solvents.

Stencil Processing Units
Washout Booths
Extraction Fans

The ink removal version has an in-built ducting system for the extraction of solvent laden air. An optional fan is available, this complies with the ATEX directive 94/9/EC required by European legislation.

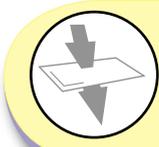
Natgraph manufacture an optional Solvent Recirculation Unit to be used when screen cleaning by hand, this unit saves on solvent usage as well as preventing solvents from entering the mains drainage system. This unit also complies with the ATEX directive.

The Angled Light Box is designed to aid in 'touching in' photo stencils, available in 4 standard sizes these units allow convenient access to even the largest of sizes.

Solvent Recirculation Unit
High Pressure Washers
Angled Light Boxes

Natgraph Limited, Dabell Avenue, Blenheim Industrial Estate, Nottingham NG6 8WA, United Kingdom
Tel: +44 (0)115 979 5800 Fax: +44 (0)115 979 5700 sales@natgraph.co.uk. www.natgraph.co.uk





Stencil Processing Units

Features

- Large, illuminated, acrylic panel
- Stainless steel construction
- Easy tube change
- Electric water heater
- Water temperature gauge
- Adjustable frame height



Stencil Processing Unit model 3

The Natgraph range of Stencil Processing Units is available in 7 standard sizes to accept screen frames to print from small through to large format sizes. They are manufactured from stainless steel with 4 steel legs with adjustable feet.

These units have a brightly illuminated acrylic rear panel which assists in the washing out of fine detail stencils to aid in the complete removal of the image area. Illumination is provided by a high efficiency set of fluorescent tubes operated by a safety switch, these tubes can be easily changed via a rear access door.

An adjustable frame support bar is fitted, allowing small frames to be used even in the largest model, this bar is easily moved from one height position to another. An instant water heater is located on the outside of the unit, which supplies temperature controlled water to a hand held spray head. The temperature of the water coming from the spray head is indicated by an in-line temperature gauge. (A 15mm, high pressure cold mains water supply is required.)

These units require a single phase power supply.

Washout Booths

Features

- Stainless steel construction
- Adjustable frame height
- Swivel feet
- Standard or vented versions
- Optional extraction fan



Washout Booth model 3

The Natgraph range of Washout Booths is available in 7 standard sizes and 2 different versions, to accept screen frames to print from small through to large format sizes. They are manufactured from stainless steel with 4 steel legs with adjustable feet.

An adjustable frame support bar is fitted, allowing small frames to be washed out even in the largest model, this bar is easily moved from one height position to another.

The standard versions of these booths are intended for cleaning with water and can be used in conjunction with a separate High Pressure Washer unit, to re-use screen frames by 'blasting off' the used stencil. This booth is ideal for this process, as a deep construction and fold in lip around the extremes are designed to minimise splash-back. The 1.1/2" waste outlet can be connected to mains drainage for this process as long as the chemicals used are 'bio-degradable'.

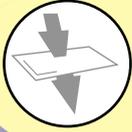
The vented versions are intended for screen cleaning with solvents for the removal of waste inks and therefore have an integral ducting system through which solvent laden air is drawn down into the base of the booth, away from the operator. This air then passes up through the double back wall of the booth to the standard ducting connection flange on the top of the unit, from where the air can be vented to atmosphere via an extraction fan.

This booth is ideal for the solvent cleaning process, as a deep construction and fold in lip around the extremes are designed to minimise splash-back. The 1.1/2" waste outlet should not be connected to mains drainage unless the screen cleaning solvents used for this purpose are 'bio-degradable'.



EQUIPMENT SOLUTIONS





Extraction Fans



ATEX Approved Extraction Unit

Features

- Special screen cleaning brush head
- Stainless steel construction
- Filter basket with weir filter
- Cast aluminium handle
- ATEX approved, flameproof motor
- Regulating valve

Natgraph can also supply an optional extraction fan to operate with the vented versions of the booth. These fans comply with the ATEX Directive 94/9/EC, required by European legislation for electrical and mechanical equipment used in

potentially explosive atmospheres. The fan can mount directly onto the top of the booth, or can be fitted into the ducting system away from the booth to reduce noise levels. These fans require a three phase power supply.

Solvent Recirculation Unit



The Natgraph Solvent Recirculation Unit is made of stainless steel, consisting of a 30 litre, freestanding holding tank that contains a filter basket, and flameproof solvent pump which complies with the ATEX directive 94/9/EC, required by European legislation for electrical and mechanical equipment used in potentially explosive atmospheres.

The removable filter basket has a weir system incorporated in it, with progressively finer filtering to remove large debris and smaller pieces of dried ink etc. The residue of solids from within the dirty cleaning solvent settles to the bottom of the basket, leaving the cleaner solvent to be pumped back

for re-use. The filter basket can be lifted out of the unit to enable convenient and safe disposal of the waste materials, fresh solvent can be added whilst the lid is removed.

A control valve regulates the solvent flow through the solvent resistant hose to the specially designed, hand held brush for screen cleaning. A large, flexible return pipe connects between the Washout Booth and the Solvent Recirculation Unit. This unit requires a three phase power supply as standard, but can be supplied single phase as an option.



Karcher HD5/11 C & HD6/13 C Plus

High Pressure Washers

Natgraph supply 2 types of Karcher High Pressure Washers to wash off used stencils. These are industrial models, not to be confused with domestic units. The smaller HD 5/11 C (240V) has a maximum pressure of 110 psi, this is an upright

unit and ideal for small to medium frame sizes, whilst the larger HD 6/13 C Plus has a bar of 130, and is suitable for all frame sizes with intensive use. These units require a single phase power supply.

Angled Light Boxes

Features

- Toughened glass
- Adjustable frame support bar
- Box section stand
- Gold diffuser
- Cooling fans
- Easy tube change



Angled Light box

The Natgraph Angled Light Boxes are available in 4 standard sizes and are designed for checking and re-touching photo stencils with ease. A bright illuminated toughened glass panel, (fan cooled), is diffused with a gold acrylic sheet, which is restful to the eye and has a reduced UV output. Thus allowing unexposed stencils to be 'blue filled' without fogging.

An adjustable frame support bar is fitted to the front to accept different sized frames. Large access panels located at the side give access for easy tube change etc. A box section stand fitted with adjustable swivel feet supports the unit, and the unit dismantles into pieces for ease of installation access. These units require a single phase power supply



Specifications

Stencil Processing Units

| Model No. | 0 | 1 | 2 | 3 | 4 | 5 | 6 |
|-------------------------|--|----------------------------|----------------------------|----------------------------|----------------------------|-----------------------------|-----------------------------|
| Max. Frame Size | 76 x 91cm (30" x 36") | 107 x 132cm (42" x 52") | 155 x 132cm (61" x 52") | 183 x 152cm (72" x 60") | 229 x 183cm (90" x 72") | 270 x 221cm (106" x 87") | 320 x 221cm (125" x 87") |
| Illuminated Area | 56 x 71cm (22" x 28") | 91 x 102cm (36" x 40") | 122 x 112cm (48" x 44") | 152 x 132cm (60" x 52") | 191 x 168cm (75" x 66") | tbc | tbc |
| Height | 168cm (66") | 180cm (71") | 191cm (75") | 209cm (82") | 246cm (97") | tbc | tbc |
| Width | 102cm (40") | 132cm (52") | 178cm (70") | 208cm (82") | 254cm (100") | tbc | tbc |
| Depth | 84cm (33") | 84cm (33") | 84cm (33") | 84cm (33") | 84cm (33") | 84cm (33") | 84cm (33") |
| Weight | 86kgs. (190lbs.) | 109kgs. (240lbs.) | 124kgs. (273lbs.) | 148kgs. (326lbs.) | 199kgs. (439lbs.) | 225kgs. (495lbs) | 255 (560lbs) |
| Voltage | Single Phase 220/240 Volts 50/60Hz. AC | | | | | | |
| Power | 8.5kW | | | | | | |
| Current | 40 Amps | | | | | | |

Angled Light Boxes

| Model No. | 2 | 3 | 4 | 5 |
|------------------------|---|-------------------------|-------------------------|-------------------------|
| Max. Frame Size | 107 x 132cm (42" x 52") | 155 x 132cm (61" x 52") | 186 x 150cm (73" x 59") | 223 x 179cm (88" x 70") |
| Height | 168cm (66") | 182cm (72") | 182cm (72") | 226cm (89") |
| Width | 147cm (57") | 177cm (70") | 208cm (82") | 245cm (97") |
| Depth | 66cm (26") | 72cm (28") | 72cm (28") | 72cm (28") |
| Weight | 109kgs. (240lbs.) | 124kgs. (273lbs.) | 148kgs. (326lbs.) | 199kgs. (439lbs.) |
| Voltage | Single Phase 220/240 Volts 50/60 Hz. AC | | | |
| Power | 0.6kW | 0.8kW | 1kW | 1.8kW |
| Current | 2.5 Amps | 3.3 Amps | 4.2 Amps | 7.5 Amps |

Solvent Recirculation Unit

| | |
|----------------|--|
| Height | 60cm (24") |
| Width | 38cm (15") incl. Pipe work |
| Depth | 53cm (21") |
| Weight | 38kgs. (84lbs.) |
| Voltage | Three Phase 380/400 Volts 50/60 Hz. AC |
| Power | 0.26kW |
| Current | 1 Amp |

Washout Booths

| Model No. | 0 | 1 | 2 | 3 | 4 | 5 | 6 |
|------------------------|-------------------|---------------------|---------------------|---------------------|---------------------|----------------------|----------------------|
| Max. Frame Size | 76x91cm (30"x36") | 107x132cm (42"x52") | 155x132cm (61"x52") | 183x152cm (72"x60") | 229x183cm (90"x72") | 270x221cm (107"x87") | 320x221cm (125"x87") |
| Height | 168cm (66") | 180cm (71") | 191cm (75") | 209cm (82") | 246cm (97") | 290cm (115") | 290cm (115") |
| Width | 86cm (34") | 117cm (46") | 163cm (64") | 193cm (76") | 239cm (94") | 310cm (122") | 360cm (142") |
| Depth | 71cm (28") | 82cm (32") | tbc | tbc | tbc | tbc | tbc |
| Weight | 65kgs. (143lbs) | 70kgs. (154lbs) | 92kgs. (203lbs) | 110kgs. (243lbs) | 170kgs. (375lbs) | 190kgs. (418lbs) | 230kgs. (506lbs) |

Distributed by:



Download our brochures at www.natgraph.co.uk