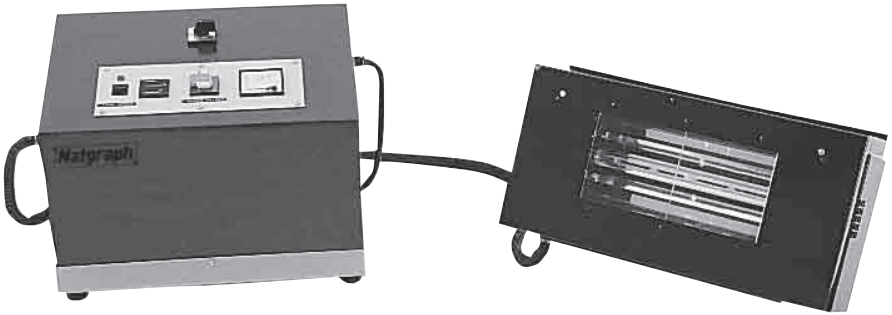


UV Bridges, UV Bridging Modules

Natgraph manufacture a range of UV Bridges that has been developed from many years of experience gained in the production of over 200 systems to add a UV curing capability to an existing air dryer. These UV Bridges are designed to be easily fitted onto the inlet section of the dryer to cure the UV inks before the substrate enters the forced air section.

These units have been designed for curing UV surface coatings applied to promotional, electronic, credit card, glass, display and telecommunications products. If there is a UV curable ink available for an application, Natgraph will have a solution.

A further and very popular development is the UV Bridging Module, this is a 1m wide unit that has the UV Bridge lamphouse located on the top, this module is installed between the drying/cooling modules of the existing dryer.

Natgraph also manufacture a range of UV Curing Kits for installation within existing printing units, dryers or reel to reel machines.

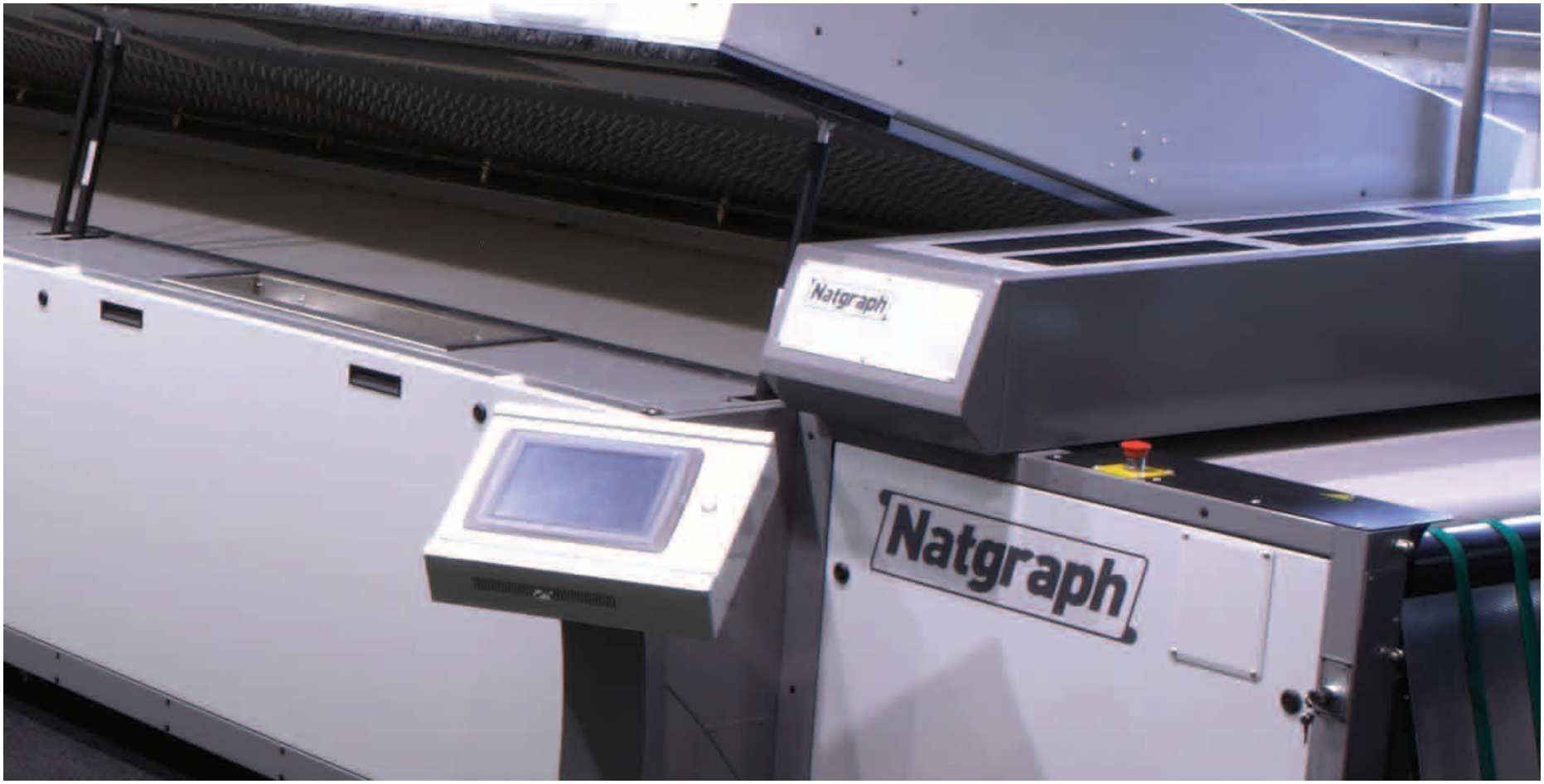
UV Bridges

The Natgraph range of UV Bridges has been designed to be installed on the inlet of an existing forced air dryer to provide a cost effective, efficient and cool UV drying capability to an existing dryer. Available with 1 or 2 lamps, in 8 standard curing widths from 70cm through to 215cm, all standard print formats can be processed.

The all aluminium lamphouse has high efficiency, fully focused anodised aluminium reflectors and a flat quartz infra red heat filter window fitted below the lamps, that isolates the lamp cooling air from the substrate. This filter reduces the effect of the infra red energy from the UV lamps, resulting in a much reduced 'impact temperature' on the substrate. In addition, all ozone produced by the lamp is extracted through a dedicated fan that is mounted either directly onto the end of the lamphouse, or as a separate unit, which can either be floor or wall mounted. Natgraph's technology ensures that this UV system is probably the coolest available, reducing substrate shrinkage and thus ensuring consistent print registration.

UV Bridge Features

- Compact unit
- Quartz infra red filter
- Fault finding circuit
- Hour meters
- Ammeters
- Warning siren
- Seperate transformer cabinet
- Optional belt movement sensor system
- Available in 8 sizes



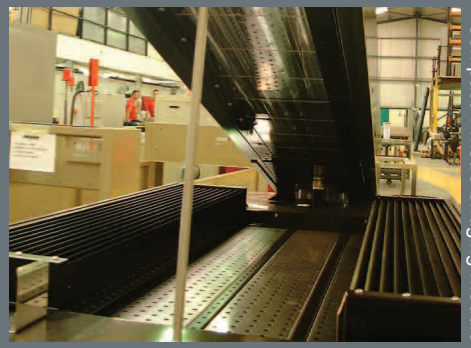
UV Bridging Modules

The Natgraph range of UV Bridging Modules has been designed to be installed within an existing forced air dryer to provide a cost effective, efficient and cool UV drying capability that extends the dryer by only 1m. Available with 1 or 2 lamps, in 8 standard curing widths from 70cm through to 215cm, all standard print formats can be processed.

These modules are only 1m wide, yet contain the transformers, control circuitry, extraction fan and vacuum system, with the UV lamphouse and light traps mounted on the top. On wheels and jacking feet for final location, these comprehensive units can easily be installed within the existing dryer, in the ideal location after the last heated air module and before the first cooling module. This position allows the UV ink time to 'flow' and gases to come out of clear varnishes, thus producing a flat image.

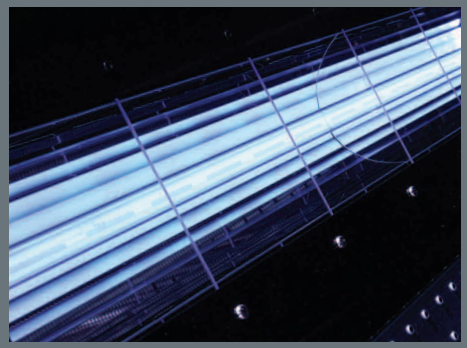
UV Bridging Module Features

- Self contained system
- Compact unit
- Quartz infra red heat filters
- Vacuum hold-down under lamps
- Castors & jacking feet
- Internal extraction / cooling fan
- Internal transformers
- Fault finding circuit
- Hour meters
- Ammeters
- Warning siren
- Optional belt movement sensor system
- Available in 8 sizes



Compact 1 metre bridging module

UV Bridge positioned on inlet

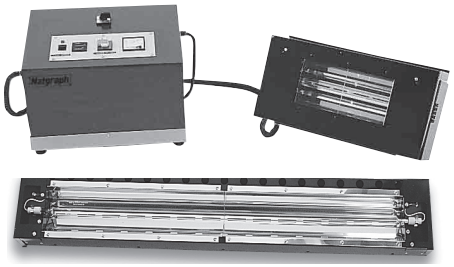


Quartz heat filters

TTUV - ammeter / hour meter

UV Curing Kits

UV Curing Kits are available to fit into existing production machinery including web systems. These kits can be made to fit into restricted spaces, with multiples of lamps, heat filters, supplementary reflectors etc. Control systems can be designed to operate with ink drying, adhesive curing or paint application. Custom designed UV is available from Natgraph to operate in a wide range of applications.



Specifications:
UV Bridges & UV Bridging Modules

UV Bridges (1 and 2 Lamp)								
Model No.	**70**	**90**	**110**	**130**	**155**	**170**	**185**	**215**
Curing Width	70cm (28”)	90cm (36”)	110cm (43”)	130cm (51”)	155cm (61”)	170cm (67”)	185cm (73”)	215cm (84”)
Height	30cm (12”)							
Width	40cm (16”) (Excluding light traps)							
Length	173cm (68”)	193cm (76”)	213cm (84”)	233cm (92”)	258cm (102”)	273cm (108”)	288cm (114”)	318cm (125”)
Voltage	Three Phase 400V 50Hz.AC							
Lamp Power	120 watts / cm (300 watts/inch)							
Power - 1 Lamp	10kW	13kW	15kW	19kW	22kW	24kW	26kW	29kW
Current (Max. Amps)	23	28	30	38	45	49	55	63
Power - 2 Lamp	20kW	27kW	34kW	40kW	47kW	51kW	57kW	67kW
Current (Max. Amps)	45	55	67	80	95	105	119	136
Transformer Cabinets	**1 Lamp Unit**				**2 Lamp Unit**			
Height	67cm (27”)				67cm (27”)			
Width	97cm (39”)				130cm (52”)			
Depth	66cm (26”)				66cm (26”)			
Weight	tbc				tbc			
UV Bridging Modules	**(1 and 2 Lamp Units are as above, except as follows)**							
Height	113cm (45”)							
Width	1m (39”)							
Length	189cm (75”)	209cm (83”)	229cm (91”)	249cm (98”)	274cm (108”)	289cm (114”)	304cm (120”)	334cm (132”)

Download our brochures at:
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