

Natgraph



Automatic Sheet Stackers & Collection Trays

Natgraph's Automatic Sheet Stackers have been developed over many years with 100's of these units in daily use world-wide. Available in 8 standard sizes, there are also purpose built versions for high pile/high speed applications and special substrates.

An optional CCTV Stack Monitoring System can be added to allow the print machine operator to view the operation of the stacker remotely.

Natgraph also manufacture a range of Collection Trays for smaller print runs, these are available in all 8 standard sizes, as well as special versions for side take-off applications.

A range of Vibrating Collection Trays is manufactured to all Natgraph's standard dryer sizes.



Automatic Sheet Stackers

The Natgraph Automatic Sheet Stackers are completely self contained with their own drive motor, air blower and hoist. Available in a variety of sizes to suit all print formats, this unit is extremely efficient and versatile, with special versions able to accept sheets at up to 8,000 per hour. A combination of thick plate steel side frames and heavy duty tie bars means these machines are capable of continual operation. The hoist is chain operated with a reinforced steel base plate with ramp front.

Automatic Sheet Stacker Features

- Touch Screen control of:
 - Inlet conveyor speed
 - Vacuum on / off
 - Pneumatic side jogger delay / frequency
 - Joggers open / closed
 - Air blower delay time / duration
 - Stack height adjustment
- Independent control or synchronisation with Natgraph Dryer
- Digital sheet counter
- Sheet 'jam' sensing system
- Feeder stop switch
- Side load/unload option

- Available in 7 sizes



Continuous Operation Option

This feature allows a small or large pile of printed substrate to be removed from the stacker without interrupting the printing cycle, therefore allowing continuous operation. This consists of a pneumatically operated support 'gate' that provides a temporary sheet support to approximately 60mm of substrate height whilst the stack below is unloaded.

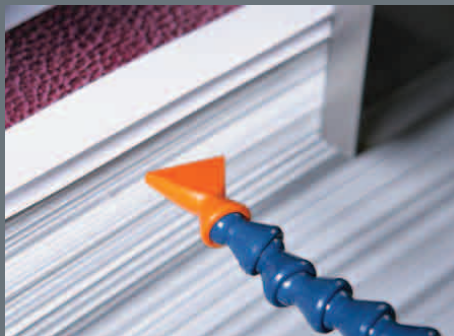
Continuous Operation Features

- Touch Screen, PLC Control System
- Pneumatically operated support 'gate'
- Fault signals



CCTV Stack Monitoring System

A colour CCTV system can be fitted to all Natgraph dryers, this system includes a freestanding, mast mounted camera above the stacker and a dedicated TV monitor mounted on a fully adjustable stand above the inlet of the dryer. This allows the operator to see the stacker without leaving the printing machine, which is very important when operating long, high speed, fully automatic printing lines.



Air blower to create air cushion



Sheet jam sensing system



Touch Screen stacker control



CCTV Stack Monitoring System

Collection Trays

The Natgraph Sheet Collection Trays have been designed to operate with all of the Natgraph dryer sizes, as well as other makes of dryer. They are of a steel construction, with a heavy duty framework and fabricated sheet tray. The sheet tray has a movable sheet stop to accept different paper sizes whilst the stand is adjustable both in height and angle. The tray can also be tilted to either side so the substrate will fall that way. An optional air blower tube can be fitted to aid in the delivery of larger or heavier substrates. A vibrating version is available which will 'jog' the substrate into a neat stack.

Collection Tray Features

- Adjustable sheet stop
- Height and angle adjustment
- Large hand wheels
- Castors (Not vibrating model)
- Optional air blower tube
- Optional vibrating model
- Available in 8 sizes

Specifications: Automatic Sheet Stackers

Model No.	90	110	130	155	170	185	215
Maximum Sheet Size	96 x 78cm (38" x 31")	112 x 86cm (44" x 34")	136 x 96cm (53" x 38")	161 x 119cm (63" x 47")	176 x 139cm (69" x 55")	191 x 154cm (75" x 60")	221 x 165cm (87" x 65")
Height	Belt height of dryer plus 10cm						
Width	156cm (61")	172cm (68")	196cm (77")	221cm (87")	236cm (93")	251cm (99")	281cm (111")
Depth	139cm (55")	157cm (62")	165cm (65")	190cm (75")	210cm (83")	225cm (89")	236cm (93")
Weight - Low Pile	900kgs.	1100kgs.	1600kgs.	1800kgs.	tbc	tbc	tbc
Weight - High Pile	1000kgs.	1500kgs.	2100kgs.	2500kgs.	tbc	tbc	tbc
Voltage	Three Phase 400V 50Hz.AC						
Power	1kW						
Current	5 Amps.						

Specifications: Collection Trays

Model No.	70	90	110	130	155	170	185	215
Maximum Paper Size	76 x 68cm (30" x 27")	96 x 78cm (38" x 31")	112 x 86cm (44" x 34")	136 x 96cm (53" x 38")	161 x 119cm (63" x 47")	176 x 139cm (69" x 55")	191 x 154cm (75" x 60")	221 x 165cm (87" x 65")
Height	Belt height of dryer plus 10cm							
Width	91cm (36")	111cm (44")	131cm (52")	151cm (60")	176cm (69")	191cm (75")	205cm (81")	236cm (93")
Depth	74cm (29")	84cm (33")	95cm (37")	102cm (40")	125cm (49")	145cm (57")	160cm (63")	169cm (67")
Weight	tbc	tbc	tbc	tbc	tbc	tbc	tbc	
Voltage	Single Phase 230V 50Hz.AC							
Current	5 Amps. (Vibrating models only)							

The manufacturer's policy is one of continuous improvement and the manufacturer therefore reserves the right to change or modify the design without prior notice. The technical specifications given are therefore for information only.

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