

domin8tor

With over 30 years of experience in the digital print industry, James Gandy has received many awards including the DPI 'Innovator of the Year' for creativity and ingenuity of specialty imagers. James and his team re-examined the grand format digital printer market to see how productivity, speed, and print quality could be increased. The team designed the Domin8tor around these key points.

The Domin8tor is a True UV flatbed with an 8 blade print configuration and large 2m x 3.05m (78" x 120") print area. The Domin8tor will print ultra high resolution photographic quality with inline white or clear.

Sectional vacuum zones on the Domin8tor ((i) 2m x 3.05m (ii) 4ft x 8ft) enable quick change over to different sized media without the need to 'tape off' the remaining unused print area, speeding up production.

You can easily print materials with different thicknesses as the head height adjusts automatically without the need to manually check. The new 'layered' printing option makes printing multi layered coloured images simple with a one time setup and print process.

Print quality and speed on the Domin8tor are driven by the inline 'Blade' head configuration system. The Domin8tor can print a 25.4cm (10 inch) wide swath using 6-picoliter variable dot Ricoh heads. Cleaning is much easier with the fully automated head blotting system.

Operation of the Domin8tor is simple with Gandy Digital's own touch and drag GUI (Graphical User Interface) running on the iPad. This is a true mobile operation device enabling step and repeat, rotate, delete ripped images, create jobs and more. The iPad allows interactive trouble shooting via video chat. Profiles and software are also updated with the online system.

The Domin8tor is also available with an automated loader (option extra), speeding up the process of loading / unloading large, difficult to handle rigid materials and high volume print runs with only one operator required.

Gandy Digital's Domin8tor is the most advanced and groundbreaking Grand Format Digital Printer in the industry today. We are the leader of innovative digital printing technology and have a proven track record.

See for yourself and book a demo with one of our representatives or visit www.GandyDigital.com for more details.



○ 4*-5¹-8² 'Blade' system
(C*^{1,2}, M*^{1,2}, Y*^{1,2}, K*^{1,2}, LtC², LtM², white^{1,2}, clear^{1,2}).
40 Ricoh high performance piezoelectric
jetting assembly delivering a 6-picoliter droplet.

○ Linear motor rail.
Precise movement, low
maintenance operation,
increased speed
and noise reduction.

○ Fully automated head
blotting system.

○ IGUS E-Chain.
(ink supply).

○ Domin8tor safety and
status indicator.

○ Touch probe.

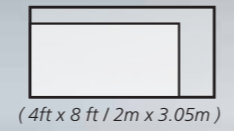
○ *Safety zone laser
scanner option (x3).

○ Quick installation sealed ink
containers eliminate potential
ink contamination, downtime
and help maintain print quality.

○ Automatic safety shut-down.

○ Retractable registration pins.

○ Sectional vacuum zones.



*iPad - state of the art GUI
and full machine controls.

Domin8tor | 2m x 3.05m with sectional vacuum table

The next Generation of Grand Format Digital Printers... is here.

Physical Machine Dimensions	
Width	6.6 m (260 in).
Depth	2.8 m (110 in).
Height	1.72 m (68 in).
Weight	3400 kgs (7500 lbs) uncrated.
Footprint	6.6 m x 4.1 m x 1.72 (260 in x 164 in x 68 in).
Crate size	(h) 2.19 m (86 in) x (d) 2.44 m (96 in) x (w) 6.9 m (272 in). weight 1300 kgs (2500lbs).
User Interface	
Console	iPad wifi enabled / full machine control and trouble-shooting diagnostics.
Print PC	Windows / Macintosh.
Printing Technology	
Heads	4* / 5' / 8 ² - module (blade system). C* ^{1,2} , M* ^{1,2} , Y* ^{1,2} , K* ^{1,2} , LtC ² , LtM ² , white ² , white ^{1,2} (or white ^{1,2} , clear ^{1,2}).
Drop size 6-picoliter	6-picoliter with variable dot producing photographic quality. 720 x 900 dpi.
Media	
Max print size	2 m x 3.05 m (78 in x 120 in) rigid.
Max substrate thickness	Rigid 50mm.
Cleaning/treatment	Substrate should be free of dust. Automated ink head blotting system.
Load/unload	Manual rigid materials *(automated loader/unloader option).
Types	A wide range of rigid and flexible materials including plastics, paper, lenticular, glass and metals.
Inks and Curing	
Inks	UV ink-based curing
Curing	UV lamp with variable power setting (10%-90%). Tack-free immediately after printing for stacking.
Ink tanks	Pre-filled disposable units to reduce ink contamination.
Durability	Outdoor up to 2 years.
Standards	
Safety	Automatic shut-down with light curtain and table edge impact detection. iPad machine shut-down control.

Printing	
Maximum substrate Weight	Rigid -180 kgs (400 lbs).
Printing modes	Photographic, Quality, Production, Eco.
Note: Automated loader / unloader available as additional extra.	
RIP	
RIP Hardware to be obtained by customer	Specification available.
RIP software	ErgoSoft / ONYX.
Requirements	
Power	400VAC, 30KW, 3 phase with neutral and PE (GND) 50 / 60 Hz.
Air	Compressed air 100 psi (7-10bar) at 1.76 SCFM (0.05 m3/min).
Network	100/1000 Ethernet link with internet access.
Environment	
Temperature	20-30 °C / 68-86° ambient.
Humidity	45-65% non-condensing humidity.
Additional Options	
(1) Automated loader/unloader	Automated loader / unloader available as additional extra.
Installation, training and setup (at extra costs)	
Installation	5 days set up and full training.
Setup	Printer set up at site and installed and operational.
Training	Operator training on printer and RIP.
Documentation	Online documentation. Diagnostics. Video references. Media, ink and printing cost.
Warranty & Extended Service	
Warranty	12-month warranty on parts included with printer
Extended warranty	4-year extended warranty is available at extra costs. It includes labor free of charges from day one. Parts will be discounted after first year warranty expires.



Product Overview

Flatbed 2m X 3.05m inkjet printing press

True Flatbed - Vacuum bed keeps rigid or delicate substrates flat giving precise prints.

Blade system:

The blade allows print heads to be set in place from the factory. This saves time in aligning heads and give a sharper print everytime.

High resolution - 6-picoliter variable dot giving True 720 x 900 dpi, photographic quality. The application possibilities are endless.

High speed - No compromise on speed combined with high resolution. Now you can truly replace conventional high speed presses utilizing a fraction of the space.

iPad - gives you a mobile user interface with full operation of printer and all its functions.

Head adjustment - Auto head height adjustment lets you change to a different substrate thickness much easier and quicker.

Layered printing - Layered printing enables multi different images to be printed with one setup, and perfect registration.

White - Inline white or clear gloss is now as easy to print as colours.

visit: www.gandydigital.com for more details.



design · develop · produce

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For the latest information visit: www.gandydigital.com

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