

domin8tor

PRED8TOR

GD Gandy Digital
design · develop · produce

Pred8tors and Domin8tors have been coming off the production line at Gandy Digital's factory in Canada for over 3 years. The most reliable high resolution, large format digital UV flatbed printer in the market giving exceptional value.

Gandy Digital now introduces a new Pred8tor and Domin8tor with higher quality and increased speed and more flexibility.

The Pred8tor and Domin8tor with 4 color and white combination produce ultra-high quality prints at speeds of 120 sqm (1300 sqft) for many years and now Gandy Digital introduces the Pred8tor and Domin8tor capable of 6 color (CMYK & LC & LM) producing even smoother colors with double white, or you can have double 4 color, CMYK, with dramatically increased speed.

The Pred8tor and Domin8tor are True UV flatbed printers with a vacuum table. The Pred8tor print size is 1.22 m (4 ft) X 2.44 m (8 ft) and the Domin8tor print size is 2 m (6 ft 6 in) X 3.05 m (10 ft). The Pred8tor comes with a 2.44 m (8 ft) wide roll-to-roll option that achieves the same print quality without compromising true flatbed capability.

Print quality and speed on the Pred8tor and Domin8tor are driven by the inline 'Blade' print head configuration system, printing 25.4 cm (10 inch) wide swath using 6-picoliter variable dot Ricoh print heads. This system eliminates head to head alignment and gives incredible sharp images.

You can easily print materials with different thicknesses as the head height adjusts automatically without the need to manually check it (maximum media thickness 50 mm / 2").

The new 'layered' printing option makes printing multi-layered colored images and white, simple with a onetime setup and print process. Now you can do backlit images sandwiching white or doubled sided banners with white and black sandwiched between images.

Cleaning is much easier with the fully automated built-in head blotting system, no need to wipe by hand.

Operation of the Pred8tor and Domin8tor are simple with Gandy Digital's own touch and drag GUI (Graphical User Interface). This is a true mobile operation device enabling step and repeat, rotate, delete ripped images, create jobs allowing interactive trouble shooting via online diagnostic. Profiles and software can also be updated with the online system.

Gandy Digital has introduced a Crash sensor that truly protects printheads not only against large objects but also against film that can get under the printhead carriage. This option is a true innovation.

Gandy Digital has innovated a UV ink that gives excellent adhesion to many plastics including acrylic. And on top of that ink usage is minimum making your production costs the lowest with the Pred8tor and Domin8tor.

Gandy Digital's Pred8tor and Domin8tor are 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.



*Roll to roll only available on Pred8tor

TECHNICAL DATA

	PRED8TOR	DOMIN8TOR
Dimensions		
Width	6.2 m (244 in)	6.6 m (260 in)
Depth	3.05 m (120 in) including roll-to-roll , 2.08 m (82 in) excluding roll-to-roll	2.8 m (110 in)
Height	1.68 m (66 in)	1.72 m (68 in)
Weight	4318 kgs (9500 lbs) crated (+1136 kg rewind unit (2500 lbs) crated)	3400 kgs (7500 lbs) uncrated (+ 1300 kgs (2500 lbs) crated)
Footprint	6.2 m x 3.2 m x 1.68 (244 in x 120 in x 66 in)	6.6 m (260 in) x 4.1 m (164 in) x 1.72 m (68 in)
Crate sizes	(H) 2.19 m (86 in) x (D) 2.44 m (96 in) x (W) 6.5 m (256 in)	(H) 2.19 m (86 in) x (D) 2.44 m (96 in) x (W) 6.9 m (272 in)
Roll-to-roll unit	(H) 1.22 m (48 in) x (D) 1.83 m (72 in) x (W) 3.25 m (128 in)	None
User Interface		
Console	Full machine control and trouble-shooting diagnostics	
Print PC	Windows / Macintosh	
Printing Technology		
Heads	4-8 blades with the following options: CMYK+White or CMYK+LC+LM+White+Varnish or CMYK+LC+ LM+2xWhite or 2xCMYK Resolution 1200 DPI	
Drop size	Ricoh 6 picoliter drop size, variable dot Rip optional: Caldera, ErgoSoft, Onyx	
Media		
Max print size	2.43 m X 1.2 m (96 in x 48 in) rigid 2.6 m X 40 cm (102 in x 16 in) diameter rolled media	3.05 m X 2 m (120 in x 78 in)
Max substrate thickness	Rigid 50mm (2 in) roll-to-roll flexible 880gsm (26oz)	
Cleaning	Automated ink head blotting system	
Load/unload	Manual rigid, Roll-to-Roll for flexible materials	Manual rigid materials "(automated loader / unloader option)
Types	A wide range of rigid and flexible materials including plastics, paper, enticular, glass and metals	
Inks and Curing		
Inks	LED or UV ink	
Curing	Led or UV lamp with variable power setting (10%-90%) Tack free immediatly after printing for stacking/Rolling	
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	
Printing		
Maximum substrate Weight	Rigid -100 kgs (220 lbs) Roll to Roll flexible -150 kgs (330 lbs)	Rigid -180 kgs (400 lbs)
Printing modes	Photographic, Quality, Production, Eco	
Loader / Unloader	Roll-to-Roll and automated loader/unloader options available	Automated loader/unloader available as additional extra
Rip		
RIP Hardware (obtained by customer)	Specification available	
RIP Software	ErgoSoft / ONYX , Caldera RIP	
Requirements		
Power	400 VAC, 30 KW, 3-phase with neutral and PE (GND) 50 / 60 Hz	
Air	Compressed air 100 psi (7-10 bar) 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		
Roll-to-roll option	2.43 m (8 ft) flexible material roll feeder + uptake to print on flatbed surface	None
Automated loader/unloader	Automated loader/unloader available as additional option	
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	