

Gandy Digital innovates the next generation flatbed printers using “NanoDot” Technology. A whole new concept of digital printing that has come of age to extra wide large format printing in Gandy Digital's Gladi8tor True Flatbed printer. The Gladi8tor comes in two sizes, Gladi8tor “2” has a 4ft X 8ft (1.22m X 2.44m) print size or Gladi8tor “3” with a 6.5ft X 10ft (2m X 3.05m) print size both on a vacuum table. Both models can have a Roll to Roll attachment either 8ft (2.44m) Wide or 10ft (3.05m) Wide.

Gandy has been offering innovative printers for over 35 years known for their reliability and strong support. The Domin8tor and Pred8tor were the latest state of the art flatbed printers with vacuum table and special features that became the standard in the industry.

Gandy Digital has taken the best of both worlds by combining the reliable Domin8tor and Pred8tor and upgraded them with the latest “NanoDot” Technology, introducing the next generation, Gladi8tor true flatbed printer. The Gladi8tor with “NanoDot” Technology, 3 picoliter grayscale print heads gives both smooth Color and high speed. Gandy also supplies a custom made RIP to maximize the “NanoDot” capabilities. Sharp images just got sharper, with 3 point text really readable. Incredible precision at true 1200 dpi on a Superwide format printer.

Gandy has taken this precision to a new level by creating unmatched smoothness in skin tones and even more impressive is the smooth colors on lighter shaded solid colors. This can only be achieved before with offset printing or photography. Finally a match to the quality of offset printing and photography. Everybody talks about it, Gandy has achieved it.

The Gladi8tor uses the Blade Technology, a key feature innovated by Gandy. This allows for precise prints without the need for time consuming alignment as the heads are pre-aligned by laser precision.

The best news is with all this quality, the speed has dramatically increased. The Gladi8tor's biggest advantage is the ability to print up to 120 (4ft X 8ft) boards an hour 3800sqft/hr (350sqm/hr). The “NanoDot” Technology coupled with our inline blade technology gives excellent sharp quality and super fast speeds. Unbelievable speed and quality that you will only believe if you witness with your own eyes.

Gandy has always kept existing customers interest and investment in mind when introducing new printers. The “NanoDot” new technology can also be upgraded on all Gandy Pred8tor and Domin8tor models.

The Gladi8tor will come with an option to take one row of print heads at half the speed or two rows at full speed. You can start with one row of print heads and upgrade to two rows and achieve full speed at a later date. The Gladi8tor will come ready for easy field upgrade.

Gandy will also offer an upgrade path to its existing Pred8tor and Domin8tor customers to start with one row of print heads and later upgrade to two rows and achieve full speed.

The Gladi8tor will have all the features from the Pred8tor and Domin8tor. Here are some of the popular features:

- Crash Sensors that stop for even small objects and save print heads from damage.
- Static Bars that really work in dry climates while keeping prints sharp.
- Automatic head cleaning and wiping station.
- Graphical User Interface simple touch and drag (GUI).
- Powerful vacuum table holds uneven materials flat.
- Automatic head height adjustment.
- Camera built in to assist remote service. Nice idea to avoid expensive visits but getting the job done.

The Gladi8tor has very powerful long lasting LED lamps that cure to perfection even at the fastest speeds and yet keeps its cool.

Gandy introduced the first “multi layer” capability many years ago. The Gladi8tor will have the same feature allowing color, white, and color for backlit images, and unlimited multi layer variations with as many colors as you wish.

The Gladi8tor will have the option to get double white blades to print heavier layer of white faster especially effective on darker substrates. Instead of double white you can get single white and varnish. Gandy's varnish can also act as a very effective primer, giving a dual purpose capability.

Gandy has many years of supplying a UV ink that gives excellent adhesion to many plastics including acrylic. The Gladi8tor will continue to get the same ink formulation for its LED Lamps.

Gandy Digital's Gladi8tor is the most advanced and groundbreaking Superwide Digital printer in the industry today.

Gandy has proven time and time again that we are the technology leaders in Grand Format Printers.



## Dimensions

	<b>Gladi8tor “2”</b>	<b>Gladi8tor “3”</b>
Width	20ft 4in (6.2m)	21ft 8in (6.6m)
Depth	10ft (3.05m) including roll-to-roll , 6ft 10in (2.08m) excluding roll-to-roll	12ft 6in (3.81m) including roll-to-roll. 9ft 2in (2.8m) excluding roll-to-roll
Height	5ft 6in (1.68m)	5ft 8in (1.72m)
Weight uncrated	6600lbs (3000kg) (rewind unit 1600lbs (726kg))	7500lbs (3400kg) (rewind unit 1800lbs (816kg))
Weight crated	8800lbs (4000kg) (rewind unit 1850lbs (839kg))	10500lbs (4700kg) (rewind unit 2050lbs (930kg))
Footprint	(L)20ft 4in (6.2m) X (D)10ft (3.05m) X (H)5ft 6in (1.68m)	(L)21ft 8in (6.6m) X (D)13ft 8in (4.2m) X (H)5ft 8in (1.72m)
Crate sizes	(L)21ft 4in (6.5m) X (D)7ft 5in (2.26m) X (H)7ft 2in (2.19m)	(L)22ft 8in (6.9m) X (D)7ft 5in (2.26m) X (H)7ft 2in (2.19m)
Crate sizes (RTR unit)	(L)10ft 8in (3.25m) X (D)6ft 8in (2m) X (H)4ft (1.22m)	(L)14ft 2in (4.32m) X (D)6ft 8in (2m) X (H)4ft (1.22m)

## User Interface

Server / connection	Available for mobile connection allows printer control and trouble shooting diagnostics
Operating systems	RIP Files can be sent from Windows or Macintosh

## Printing Technology

Printheads	“NanoDot” 3 Picoliter, Grayscale giving sharp photographic images at 1200dpi quality
Color configuration	“NanoDot” smooth CMYK. Single or Double White or Varnish/Primer
Printhead Configuration	Single Row or Double Row
Cleaning	Automated printhead cleaning to achieve continuous quality printing

## Media

Print size rigid	8ft (2.44m) X 4ft (1.22m)	6ft 7in (2m) X 10ft (3.05m)
Roll width + Roll Diameter	Width – 8ft (2.44m), Diameter - 1ft 4in (0.4m)	Width – 10ft (3.05m), Diameter - 1ft 4in (0.4m)
Substrate thickness	Rigid – 2in (50mm) ; Roll to Roll flexible substrate 32oz (400gsm)	
Load/Unload	Manual loading is standard, Auto Load/Unload is available as option	
Types of material	A wide variety of rigid + flexible materials from plastics to metal to glass + many more	

## Inks and Curing

Inks	LED UV inks
Curing	High Powered LED lamp with variable power setting (10%-90%) Tack free immediately after printing for stacking/Rolling
Ink Delivery System	Ink Bottles for easy installation without contamination
Durability	Up to 5 years indoors (depending on environment)/ Up to 2 years outdoors ( depending on location)

## Safety

Standards approved	CE for Europe, ESA for North America
Crash sensor (optional)	Unit installed on both sides and back of print carriage to prevent materials to go under and damage printheads
Static Bar (optional)	Installed on both sides of Carriage. Very effective in dry climate areas to achieve consistency

## Rip (obtained by customer)

RIP Server	Computer hardware obtained by customer; specification available
RIP Software	Gandy Custom “NanoDot” Mapping RIP available 3 months free trial.

## Requirements (Customer to arrange before setup)

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	GigaBit Ethernet link with internet access

## Room Environment (for optimum performance)

Room temperature	20-30 °C / 68-86° ambient
Room humidity	45-65% non-condensing humidity
Air Flow	Direct airflow is not recommended. Room should be dust free, closed area.

## Additional options

Roll-to-roll option	8ft (2.43m) flexible material roll feeder + uptake to print on flatbed surface      10ft (3.05m) flexible material roll feeder + uptake to print on flatbed surface
Automated loader/unloader	Automated loader/unloader available as additional option

## Installation, training and setup

Installation	3-5 days to perform installation
Setup	Setup printer at customer site includes installation, training + operational.
Training	Qualified operator will be trained on operation + maintenance + color profile + RIP.

## 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 same day service at no charge. Parts will be discounted after first year warranty expires