gladi8tor HIGH SPEED

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A picture paints a thousand words with Gandy Digital's new Gladi8tor HS.

The Gladi8tor HS is a printing marvel that blends the tried, tested and certified techniques in the printing industry with modern day innovation, resulting in a highly efficient machine with an ultra-smooth print on any surface.

The sharpness of the print and vividness of the ink, create a depth in the images that brings the print to life.

Gladi8tor HS includes all the Gandy features of its previous version. To give you a recap, these are:

- NanoDot technology gives sharper prints and smoother color scale.
- Head placement, innovated by Gandy, which avoids the process of aligning print heads, as our laser precision prearranges them in line.
- Crash Sensors that stop for any object (even the smallest ones), to save print heads from any damage.
- Static Bars to work in dry environments and allow prints to stay sharp.
- Automatic head cleaning & wiping station.
- Graphical User Interface (GUI) with a simple touch-and-drag system.
- Cutting-edge high powered vacuum table can hold down heavy or uneven materials flat.
- Automatic head height adjustment for different materials.
- Integrated camera, to assist in case of remote service & problem resolution

A conqueror of the dream through print.

The Gladi8tor HS has kept and finetuned all the features' customers came to love in the original Gladi8tor whilst also making room for new features that lead to higher speeds, efficiency and print quality. As in the norm with Gandy Digital, all new features have been developed completely in house to pass our strict quality control measures to ensure our printers are able to perform consistently & accurately. The new features below are unique to the Gladi8tor HS include:

1. 3-Row Kyocera Print Heads per color: Enhanced print head configuration allows for a seamless consistent print.
2. Busy goes away swiftly: The 3 Kyocera heads also mean higher speeds. Busy prints get done in 40 seconds or less (over 90 boards per hour), and solid dark colors are ready in just over a minute (40 boards per hour).
3. One Touch Vacuum & Print: Conveniently placed to start prints, as the one-touch buttons are time-savers on their simplicity and accessibility.
4. Ultrasonic Sensor: See the exact amount of ink that's being applied, as the sensor delivers a precise measurement of ink levels to the GUI.

The color you need & the speed you want, on any texture.

Gladi8tor HS commits to and accomplishes Gandy Digital's promise of smoothness in color. With its ability to print solid colors seamlessly and deliver an accurate representation of diverse skin tones. All prints are produced in the exact color as originally intended by the photographer/designer.

Our LED lamps allows operating at the highest level of speed and efficiency whilst staying cool. The multi-layer feature gives flexibility to do unlimited combination of colors including white. Gandy's signature UV ink, gives unmatched vibrant colors, there's truly no limits for what you can achieve with the Gladi8tor HS.

The Gladi8tor is available in two separate sizes, Gladi8tor HS2 has a print area of 1.2m x 2.44m (4ft x 8ft) or Gladi8tor HS3 has a print area of 2m x 3m (6.5ft x 10ft).

You also have the luxury to add a roll to roll unit for both size model, with a 2.4m (8ft) or 3m (10ft) wide roll.

The Gladi8tor Advantage:

The Gladi8tor is designed with your budget and your future in mind. You can start with one row of Kyocera print heads and save on the initial cost to enter the high quality large format fast growing digital market. As your business grows, instead of a huge capital expense of a second printer to keep up the demand, the Gladi8tor can be upgraded with a second or a third row of Kyocera print heads making the Gladi8tor a printer to start and grow with your business, a true partner.

Furthermore, customers also have the luxury of attaching a Roll to Roll to meet any print demands.

Pioneers of the print: About Gandy Digital.

Gandy Digital is well versed in turning images into a tangible medium, because of our 35 years' worth of experience in the industry and the continuous in-house innovation that differentiate our services and machines from competitors.

With a vision to reduce environmental impact, while bringing invention and curiosity at the front row, Gandy Digital always aspires to go beyond. The Gladi8tor HS does just that.

Gandy Digital has imagined and crafted innovation at its purest state, to shape a renewed version of the Gladi8tor UV flatbed printer, breathing new life into an already state of the art printer.

Ultrasonic Sensor
Delivers accurate measurement of ink levels to the GUI

One Touch Vacuum & Print
Ease of accessibility. Save time and eliminate redundancies

TECHNICAL DATA

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Dimensions

	Gladi8tor HS2	Gladi8tor HS3
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 1800dpi quality	
Color configuration	"NanoDot" smooth CMYK. Single or Double White or Varnish/Primer	
Printhead Configuration	Single Row, Double or Triple Row	
Cleaning	Automated printhead cleaning to achieve continuous quaity printing	

Media

	Gladi8tor HS2	Gladi8tor HS3
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 immediatly 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	400VAC, 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 ℃ / 68-86 °F	
Room humidity	45-65% non-condensing humidity	
Air Flow	Direct airflow is not recommended. Room should be dust free, closed area.	

Additional options

	Gladi8tor HS2	Gladi8tor HS3
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	