



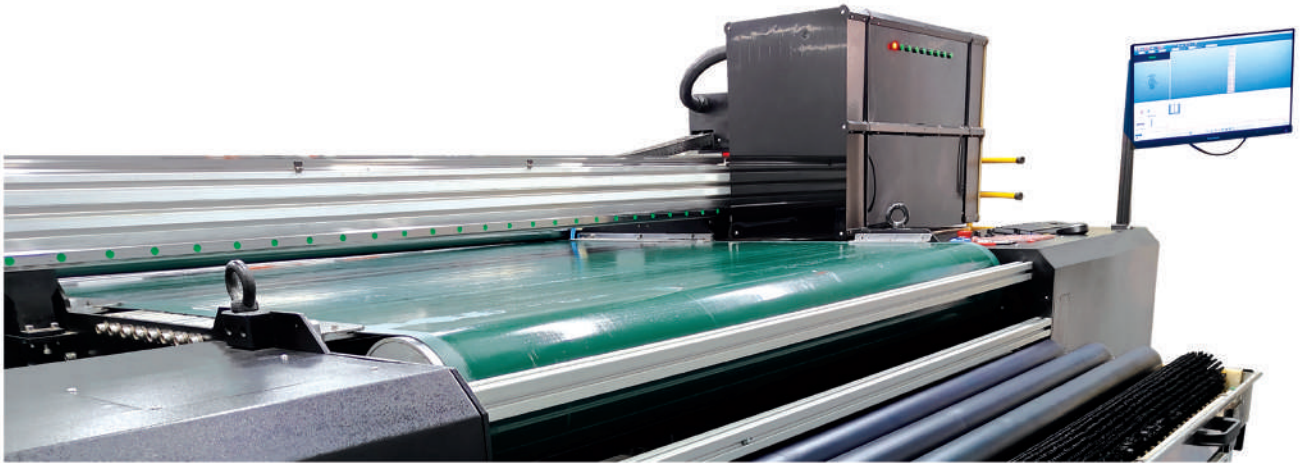
HGS MACHINES



CHROME

Vivid Colours in Sustainable Printing

Redefining Machines.



A new ecosystem

Best of both worlds

If you ever thought about adding digital printing to your rotary textile printing, now is the time to step into a colourful world with new possibilities. Based on decades of hands-on experience in textile printing, we are committed to help you make your way with a powerful combination of digital and conventional printing. With Chrome as your digital platform, you can offer flexibility, stunning designs and faster lead times to new and existing customers. On-demand production and fast delivery also helps you to meet the increasing demand for sustainability across the supply chain for fashion and home textiles. And no more risk of overstock or shortages for your customers.

Choose the Chrome that fits your environment

A big challenge for most printers is the uncertainty of the volume they need to print. Therefore, Chrome is available in a 8 print head and a 16 print head version. As robust and productive direct to fabric printers, they offer a wide range in yield. In case you need to replace or scale up your existing digital production, Chrome helps you to cover new ground. With 120 m² and 220 m² per hour in high definition mode, both models offer an excellent price to production ratio in their segment.

Natural balance for sustained growth

Continuous production of sophisticated patterns and rich colours takes the right balance of components from infeed to output. The Chrome platform seamlessly integrates a choice in infeed options, a robust print engine, renowned HGS Machines performance inks and a broad range of dryers. Based on your requirements, you can choose the configuration that best fits your production environment. As a long-time partner for the textile printing industry, we are here to guide you through the process every step of the way. Expect nothing less.



Deep dive in digital

Expect a complete solution

At HGS we provide complete solutions to help you meet challenges and to provide new perspectives. Integrating Chrome into your production environment comes with advice and support to implement this direct to fabric digital printer into your existing workflows, combined with powerful inks that are optimized for the print heads as well as for woven and nonwoven fabrics. Installation and training are part of the complete solutions, same as local service and support for years to come.

End-to-end support of your business

With HGS you can access decades of experience in textile printing, right from the source. Our application support specialists are dedicated to help you explore new possibilities and will share everything there is to know to keep your Chrome in perfect condition. And when outstanding results matter, rely on HGS' ink technology. Our performance inks are specially formulated to deliver optimum performance. Our inks guarantee unattended printing without nozzle blockages or print head failures while adhering to the highest standards and legislation on sustainability.

End-to-end control for quality output

The right balance of technology incorporated in Chrome, internationally recognized inks and our full support ensures end-to-end control for consistent high-quality output. Whereas Chrome is built to control high speed and high quality in two different configurations. The Chrome with 8 printheads is a great option for entering in digital printing, where the Chrome with 16 printheads is the preferred choice for high volume printing. A Chrome can be later upgraded at the customer site from 8 to 16 printheads. The combination of RICOH GEN 6 print heads and our specially formulated performance inks ensures excellent runnability and longer print head lifetime. Most importantly, you can count on strong and vivid colours at the lowest possible ink consumption.

Designed for continuous production

Fabric infeed system

- Auto Fabric feeding ensure the fabric pasting easy on conveyour belt.
- Auto tensioning sensor to maintain constant tension throughout the length
- Multiple tensioning roller to control boing in fabric and ensure straight edges
- Guide supported Conveyor with adhesive keeps the fabric even and prevents creases while printing – achieving accurate printing results.
- Pneumatic controlled pressure roll ensure the fabric pasting even.
- Special Plateform to stand operator for his easy reach to handle the fabric feed.

Blanket cleaning system

- Equipped with brush roller and water jets to wash off the lint and excess inks on the blanket
- 3 Sponge roller to ensure removal of excess moisture
- Infrared belt dryer with hot air to dry the blanket completely and activate the adhesive on the blanket
- Extra adjustable Supporting fabric roll ensure removal of excess moisture in any condition.

Dryer

- Separate infrared dryer for rapid drying of printed ink on fabric
- Energy efficient radiation for reduced heat dissipation into the room
- Dryer with Hot air runs in diffrent 2 stages optional.

Ink system

- 10 litre ink tanks for long ink refilling cycles
- Latest degassing and bubble removing system to avoid printhead blockage during printing
- Inline ink filters for safety of printhead
- Ink refill during running
- Low ink warning for operator attention

PH Carriage Assembly

- With Anti carriage crash sensor to protect print heads
- Linear servo motor with magnetic drive helps Chrome to run without noise & performing as per market demand.
- Solid adjustable printer beam ensure more staibility of printer which helps to avoid vibration.
- PH carriage designed systematically by professionals to save time in case of maintainance.

A closer look to inspiring details

Features	Description
Printing width	1800 mm
No. of PH	8 or 16
Print heads	Ricoh Gen 6
Ink	Reactive or Pigment
Colours	8
Environment Conditions	Room temperature 20 - 25°C
Printer Electronic	BYHX
Conveyor Cleaning System	3 Sponge roll, 1 brush roll, Fabric Supporting roll
Compressed Air	Consumption: 0.03m3/min Air pressure: 0.7Mpa
Print head gap	Up to 10 mm
Rip Supported	Neo Stampa
Power Supply	3 phase

Print modes / Production modes

Chrome with 8H

Passes	DPI	Productivity (sq mtr)
2	600 * 600	120
3	600 * 900	90

Chrome with 16H

Passes	DPI	Productivity (sq mtr)
1	600 * 600	220
2	600 * 1200	130

* Actual performance may depend on the specific type of system and application settings.

Applications of Digital Textile printer Perfect for

Sarees



Suits and Dress Materials



Bed Sheets



Curtains and Upholstery



Why Choose Digital Textile Printing?

Unlimited Design Possibilities

Print detailed graphics, vibrant colors, photo-realistic images, and gradient effects with ease.

Low Minimums, High Flexibility

Ideal for customized pieces, boutique collections, and short runs without heavy setup costs.

Eco-Friendly

Consumes less water, fewer chemicals, and produces minimal waste compared to traditional methods.

Fast Turnaround

Quick sampling and production timelines help meet market trends and customer demands faster.

Quick Notes

About HGS Machines

Since inception in the year 2005, the HGS Machines Pvt. Ltd. has come into view after its merger with HGS engineering. Its leadership is marked by many successful challenges our constant chase of 'excellence' and considered among the India's Digital Textile Printers Industry. HGS Group has supervised by young entrepreneurs under the guidance of Our Founder Director Mr. Prashant Mohan Vats, Who have a vast technical knowledge of industry. HGS had engineered the conveyer belt system in 2007, which was one of first innovation in the Indian digital textile industry. The objective was very clear to provide the highly competent & Global standard printers with the Economical price. At HGS, We understand the changing needs of printing industry. For execute your new collections every time, we make highly innovative & cost saving printers every time, which bears the exceptionality of high definition digital printing. We have also become a key player in the market for digital printing. In 2010 we were the first in the industry who manufactured a digital textile printer. We have built a network in Pan India in more than 30 cities. We take pride in putting our customers first, letting their ambitions inspire us, and deploying our expertise, resources and network to help them to achieve their goals. Our solutions are designed to empower customers worldwide in all stages of the printing process; from pre-press to printing, from textile to industrial – and beyond. That is the impact of a key player.