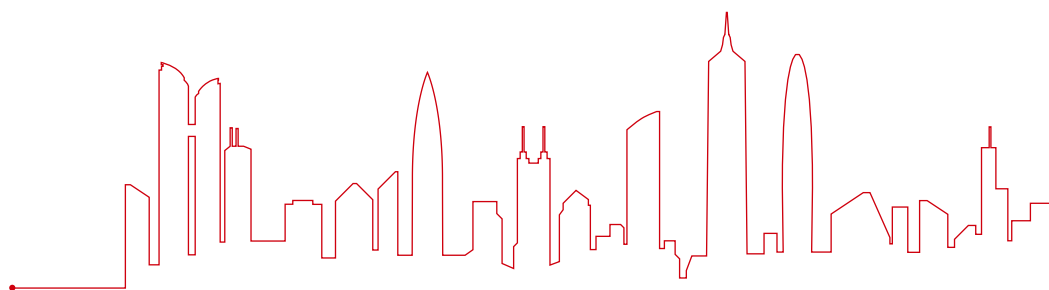




Bright up your future with
industrial digitalization





FOREWORD

The digital wave sweeps in

It's reconstructing the industrial ecology, industry value, interactive mode and even the philosophy of life in an all-around way.

HanGlory Group, with digital inkjet printing technology as its core, keeps creating values for customers and provides comprehensive solutions for industrial digital printing.

To give a more intelligent, high-efficient, green and sustainable production and colorful life, HanGlory Group brings more industries into the diversified digital system and empowers the digital transformation.

Intelligence for a green planet

Based on the endowed advantages and long-lasting technological innovation of digital printing, HanGlory Group takes active part in the construction of global digital green ecology. Digital interconnection is combined with intelligent production to help sustainable digitalization empower the green and low-carbon society for a sharing and beautiful world.

HanGlory Group adheres to the independent intellectual property rights and brings the professional printing crafts and digital application technology to all walks of life.

Partnership for a promising future

HanGlory Group embraces exploration and practice.

Based on our profound experience in printing industry, we push forward the industrial printing to be more reliable, and intelligent manufacturing more promising.

With the faith of integrity, down-to-earth, teamwork and sharing, we cooperate with all partners for more opportunities in the future.

To triumph with our trump card

Outstanding R&D capacities

With more than 10 years of experience in digital inkjet and rich marketing practices, HanGlory Group, with fully independent intellectual properties in industrial digital printing industry, controls the core technologies in different aspects including hardware, software, machine, ink and solutions.

7

Seven subsidiaries

300+

Over 300 patents

30%+

The R&D team and technicians account for more than 30% among all employees in HanGlory Group



Independent printhead-drive technology



Self-developed control system



Self-developed MES system



Independent ink industrial chain



Global service system

RICH CASES AND EXPERIENCE



Rich cases and experience

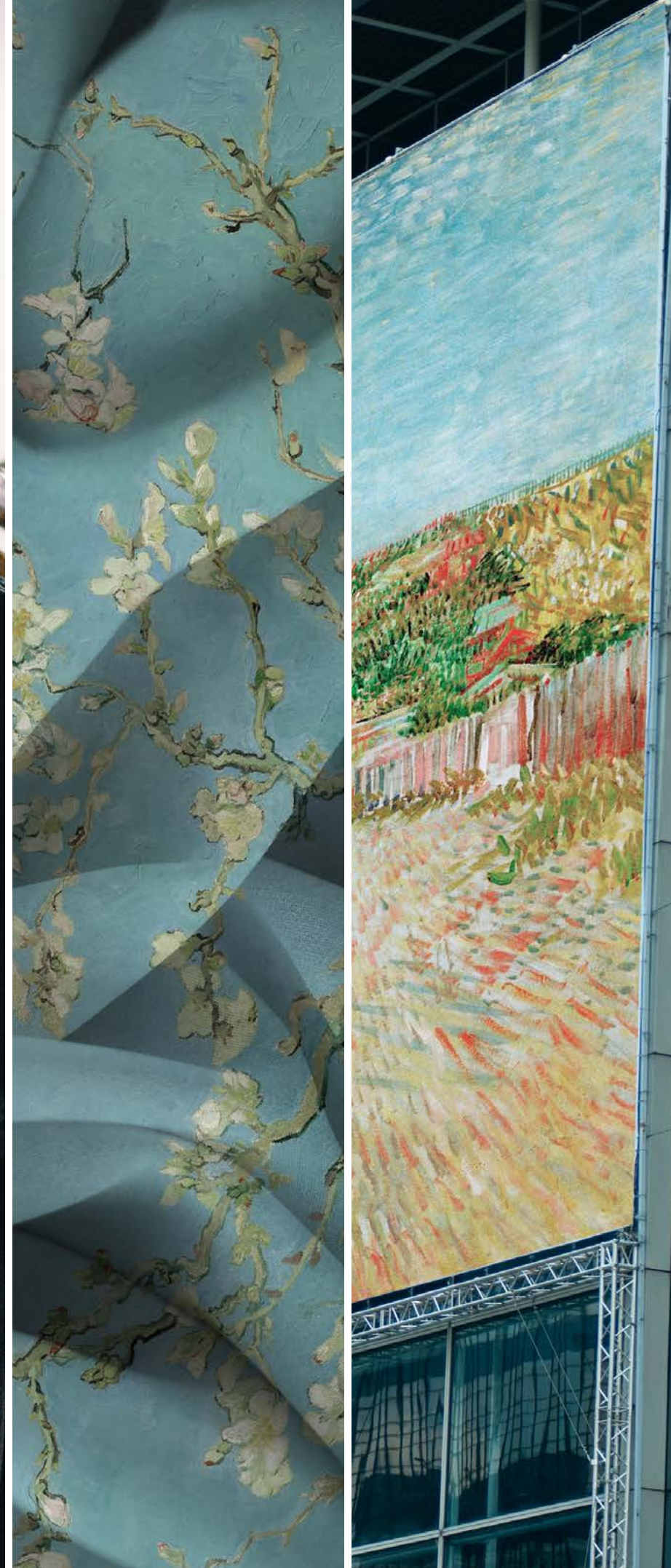
Apart from following the technology and trend of digital inkjet, HanGlory Group also focuses on the real application scenes and the potential new application scenes. Based on many market practices, we gain clear and profound experience and knowledge to bring customers added-value and touching application experience in addition to stability, high efficiency and reliability.

Online RIP makes the consecutive alterable printing easier; online precoat and the continuous development of ink's quality improve the performance of packaging printing's color; the software-driven online color management improves the consistence of printing quality...HanGlory Group continues to promote the industrialization of science and technology and help customers to achieve the upgrading of digital transformation with our own power.



End-to-end solutions

Based on long-term digital inkjet application technology, HanGlory Group puts forward end-to-end high-quality solutions for different industries. We develop different printing application scenes based on various industrial features and demands and serve customers' production and business development. We also develop different inkjet printing modes to adapt to different industries and markets. We provide a full set of end-to-end high-quality solutions about equipment, ink, supplies, software and after sales support to UV printing, garment printing, textile printing, corrugated packaging printing, labels, publications, etc. MES system with visualized production and intelligent management, and a product system based on Single Pass printing technology has also been established to create a unique, energetic and innovative digital printing industry, makes the production more intelligent and scientific.



STRONG AND SOUND TALENT SYSTEM

The R&D team and technicians account for more than 30% among all employees in HanGlory Group

We have a great team dedicated to high-end technology. Many of them have rich working experience in high-tech enterprises such as Huawei, ZTE and Heidelberg. Some of them are leading talents of Shenzhen at the state level, or Shenzhen high-level talents or the winner of the second prize of National Science and Technology Progress Award, the first prize of Science and Technology Award of China Institute of Communications (CIC), the second prize of Shenzhen Science and Technology Progress Award.

Sales and technical service supporting system in more than 60 countries and regions

HanGlory Group has a sound service supporting team, laying a solid foundation for the development of internalization.

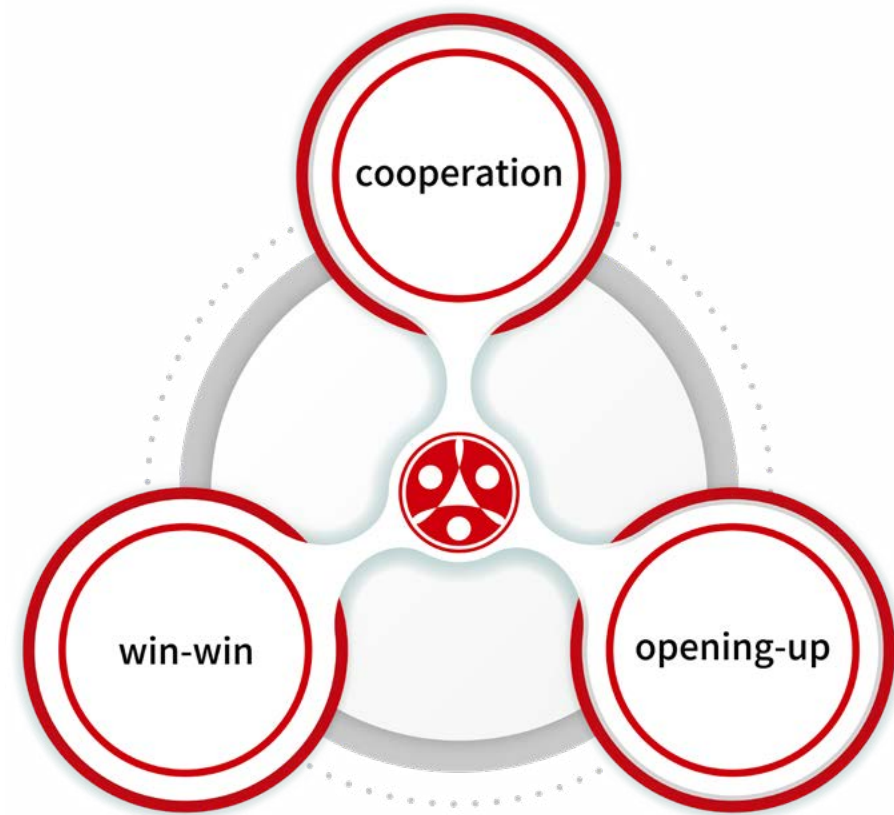
The average working time of engineers of HanGlory is over 15 years

The engineers of HanGlory Group, have more than 15 years of working time on average, are responsible for solving various problems of printing and converting during digital printing in different industries.

Rich working experience in international enterprises

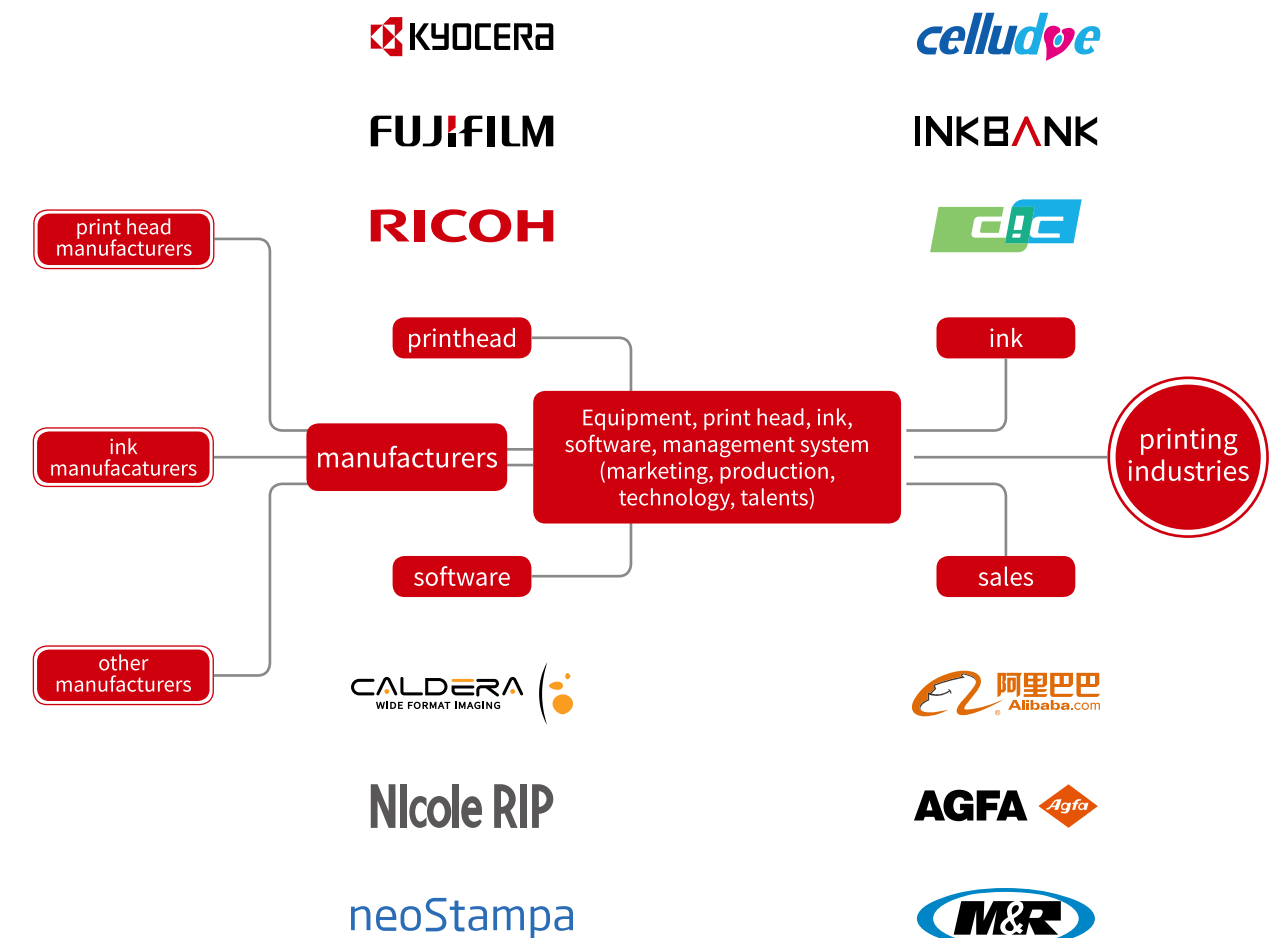
Most management team members of HanGlory Group have working experience in international enterprises and can better support business management, marketing, project development, and so on, blazing a trail for the internationalization of HanGlory Group.

WIN-WIN COOPERATION



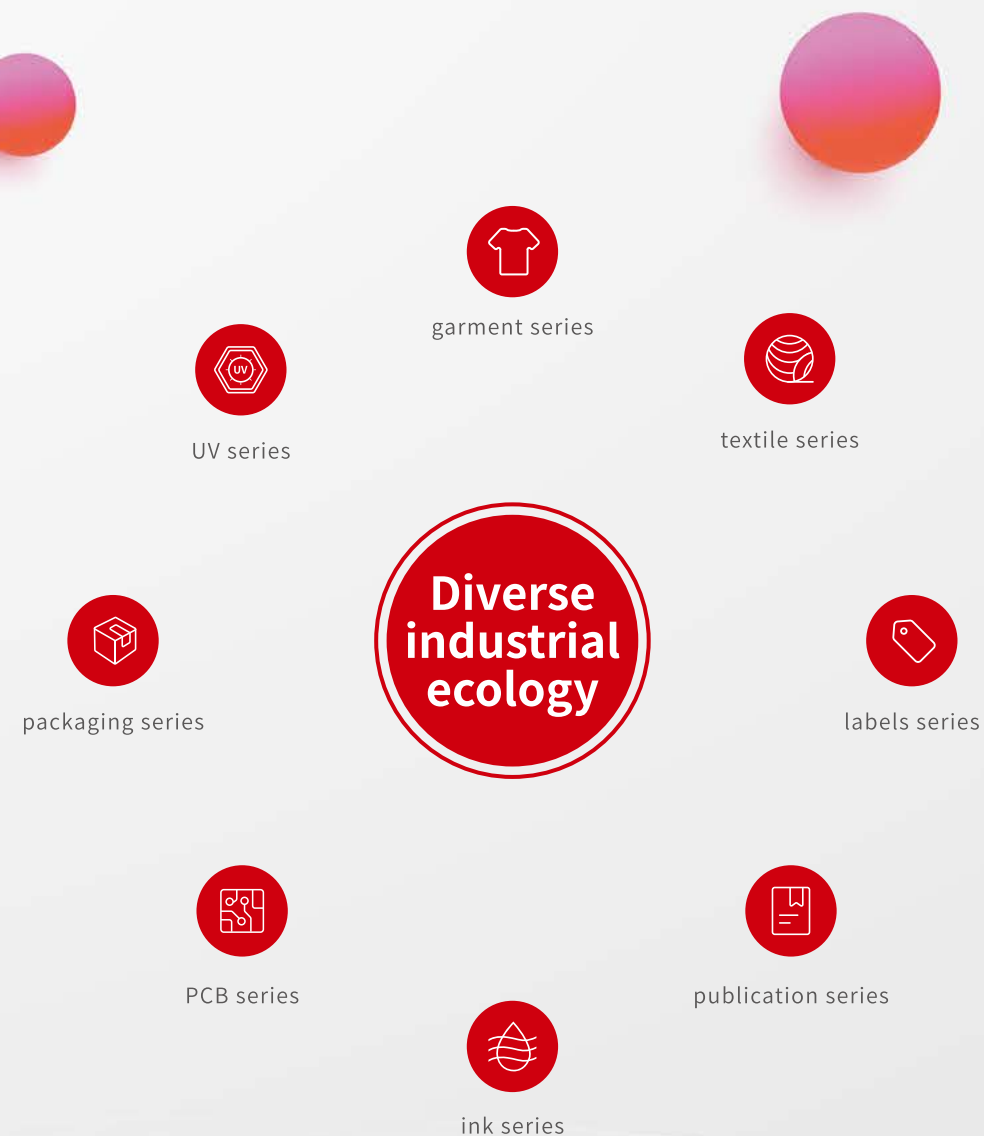
Faced with interconnected digital world and intelligent world, HanGlory Group always holds the company culture of integrity, down-to-earth, teamwork and sharing. From the cutting-edge digital technology to intelligent printing, we establish business ecosystem of opening-up and win-win cooperation with our partners. We also help customers to develop digital transformation for great business success and finally achieve win-win and sustainable development.

To establish a top ecosystem of digital inkjet printing industry



Strong comprehensive strength wins in the future
What the printing industries need is a whole set of solutions but not just a single product

DIVERSIFIED INDUSTRIAL ECOLOGY



UV series | garment series | textile series | PCB series |
packaging series | labels and publication series | ink series |

SHINE THE MOMENTS

HandTop UV competitiveness enhanced

A diverse world in digital inkjet printing

HandTop presents the diverse performance of UV digital inkjet printing. With product matrix in all walks of life and flexible inkjet solutions, HandTop is committed to meeting various demands of market and exploring with all customers in different fields to initiate win-win industrial ecology.

HandTop has developed four product series including UV flatbed printer, UV hybrid printer, UV RTR printer and Single Pass. They are highly applied to advertisement, industrial manufacturing, home decoration, personalized crafts and other fields and approved by the market with their fast speed, high precision and strong stability. The business value has been highly improved.



UV hybrid printer series

Boundless application

Representative:

HTA2500 Robo

Industrialized auto loading and unloading for brand-new performance



UV flatbed printer series

High quality and industry benchmark

Representative:

HT2512UV

Best-selling overseas for 10 years with stable quality



UV RTR printer series

Intelligent printing especially for high-end advertisement

Representative:

HT5000UV

5 meters format leading UV printing



UV hybrid printer series

Large format and stand out in high-speed printing

Representative:

HT5200UV

Max printing width up to 5200mm for more choices single roll, two rolls and three rolls printing and sheets printing (under 30mm)

SUSTAINABLE PRINTING

Homer
Beyond your
imagination

More sustainable and reliable industrial printing

After Homer brought digital printing to industrial production, the printing process and efficiency has been improved and the production has become more sustainable. From inkjet printing technology to crafts application, from inks to professional software, Homer owns comprehensive digital printing solutions, guaranteeing customers' production in an all-around way.

Homer has released direct-to-textile inkjet machine, dye-sublimation printer and Single Pass series. From direct-to-textile inkjet series to dye-sublimation series, from scanning machine to Single Pass series, from entry-level to medium-high-speed to ultra-high-speed, Homer makes quick response to the aesthetic demands of printing industry and brings sustainable, safe and reliable ROI.



Dye-sublimation printer series

Upgrading and breakthrough

Representative:

HM2700R pro

A new generation for industrial production with diverse application, improved productivity and breakthrough in printing size



Direct-to-textile inkjet printing series

Digital inkjet printing with stability and high efficiency

Representative:

HM1800B K24

Bring digital printing to industrial production for the improved printing process and efficiency, for the environment-friendly and reliable industrial printing



Direct-to-textile inkjet printing series

High speed digital inkjet printing with brand-new power

Representative:

HM1800B K32

High-speed printing of multiple arrays solutions; single array, double arrays and triple array of print heads for the production improvement and flexible demands of customers

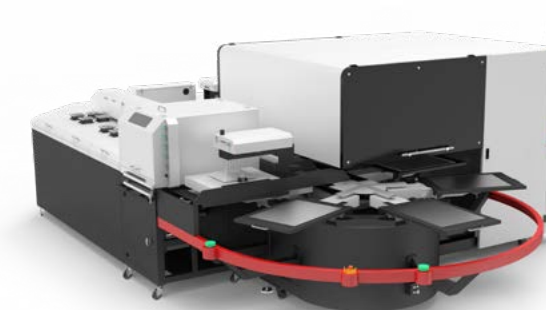
NEVER TOO WISE TO PRINT

CNTOP
Enjoy printing

Leader in intelligent garment printing

CNTOP is exploring the intelligent printing process based on digital printing application in garment printing industry. Cooperating with domestic Internet giants, CNTOP developed intelligent printing of end-to-end production and logistics processes which is changing the traditional industrial mode in personalized era and people's consuming and aesthetic habits.

Now with the unprecedented comprehensive products, scenes and solutions meeting the various demands from business production to industrial production of all customers, CNTOP has developed automatic oval printer, Hybrid (oval+digital) printer and digital printer, providing customers with a whole set of solutions including digital printing machines, ink, materials, software and after-sales support.



DTG printing solutions

Open up production chain and consumption chain with digitalization and intelligence

Representative:

Rival / Wings Compact

Mainly personalized garment customization; MOQ is only 1 piece; delivery within 3-7 days
Efficiency-improved for C2M, B2C orders and quicker and maturer flexible solutions provided



Automatic screen printing solutions

precise, high-efficient, stable and durable

Representative:

T5C

Focusing on traditional screen printing; delivery within 15-30 days

Oval+digital printing solutions

Combination for innovation

Representative:

Hybrid

Combination of oval and digital printing; natural crafts and solutions
Suitable for single order of 50-2000 pieces

REDEFINE OPPORTUNITIES

Hanway Redefine opportunities



Leading the new era of digital packaging technology

Hanway makes the packaging printing simpler, environment-friendly and has a better performance. When helping customers to solve various orders in the personalized era, Hanway also brings digital technology into the whole process of production. The production management becomes more intelligent and more and more enterprises are embracing the digital transformation.

From Single Pass to Multi-Pass, Hanway developed Glory series, HighJet series and Revo series, bringing digital printing into the corrugated industry, pre-printing and color printing industry and providing the packaging industry with advanced digital devices and digital application solutions.

Glory series

Revolutionary productivity and image quality

Representative:

Glory1606

Based on Single Pass technology with productivity up to 150m/min



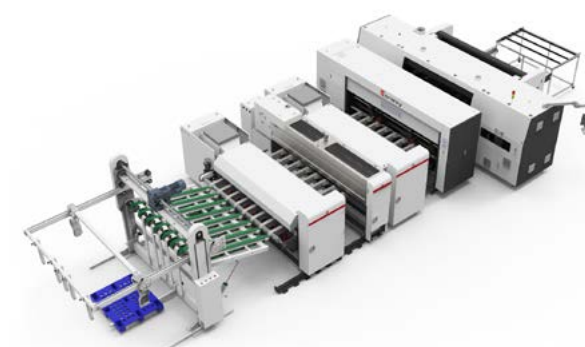
Glory series

Revolutionary productivity and image quality

Representative:

Glory2504

Higher-value and larger format applications with productivity up to 17773 m²/hr



Revo series

To create new value with the digital printing for the packaging industry

Representative:

Revo2500W with inline solution

First of its kind! All-in-one inline design with different solutions

Combination of printing+slotting+varnish+drying+stacking



HighJet series

Redefine the speed and quality of scanning printing in digital packaging

Representative:

HighJet2500D with inline solution

More stable and effective production, more exquisite and broader applications, and cost effective

All-in-one design with inline solution, different units including drying and varnish for customers to choose from

FOCUS ON DIGITAL PASSION FOR DIGITAL

HanGlobal Breakthrough of digitalized application in label/publication printing

To reshape business value and digitalized strategy

HanGlobal provides labels digital printing with more stable and comprehensive solutions. Thanks to digital printing, labels are becoming colorful and have more lively performance in the era of digitalization and Internet.

Bringing digital inkjet to the publication printing industry, HanGlobal has proved the endowed advantages of digital inkjet in printing industry. From efficiency to cost, from print on demand to environment-friendly printing, HanGlobal is stepping into the promising future of book printing.

With high-end technologies, HanGlobal satisfies the diverse printing demands including labels printing, business printing, POD printing, printing of government papers, industrial specification and newspapers, helping customers in labels and publication printing industries to achieve their business value reshaping and digitalized strategy.



Publication series

Brand-new model for publication printing

Representative:

Kirin440 / Kirin660

Self-developed, designed and produced digital inkjet printing system

Kirin440 economical black-and-white printing solution

Kirin660 professional black-and-white printing solution



Labels series

To build a new business mode in labels inkjet printing

Representative:

LabStar330

Production speed with 50m/min to satisfy the industrial flexible production demands

Unique double array of print heads for 1200*1200dpi high resolution printing

Upgradable printing width, resolution and functional module to improve ROI



Publication series

Seek for new opportunities with color inkjet printing

Representative:

Kirin440C / Kirin660C

Breakthrough in productivity, performance and quality

440/660mm printing width and seamless order change

Self-developed quick-drying ink for low cost and high efficiency

Meet requirements of color printing including business printing, POD printing, printing of government papers, industrial specification and textbooks

FOCUS ON PCB DIGITAL PRINTING

HANSHARP Professional PCB digital inkjet printing

Redefine PCB digital printing

Pursue the precision of every ink drop under the high-speed movement and pursue the stability of PCB inkjet during the industrial production; Breakthrough in technologies of PCB inkjet printing quality and in stable production; Redefine the PCB digital inkjet process to create brand-new value in precise manufacturing with digital inkjet.

With Neutron, Proton and Quanta series, HanSharp brings devices with high speed, high precision, high stability, intelligence and automation into PCB industry.



Neutron series

PCB digital inkjet printing in the era of mass production

Productivity: 7000 panels/day

Ø Inline Stream Technology

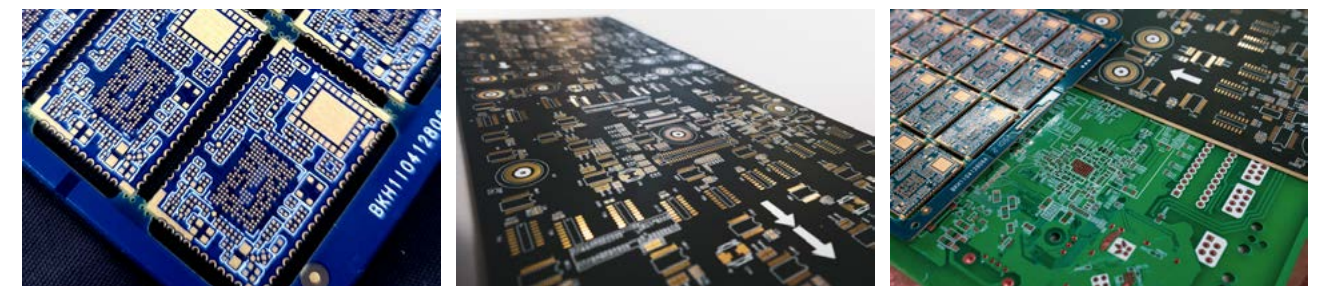
Ø Inline stream technology and intelligent digital inkjet for the whole interconnected production

Ø Production in the horizontal direction with stable transmission; high-speed inkjet printing for better quality; simplification of the printing of characters with the connected development process and final baking process

Ø Innovative design of three workstations and dual channel for the max utilization of print heads

Ø Multifunctional design brings continuous, stable and reliable production

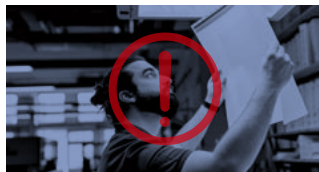
Ø Grayscale printing technology meets the precision of PCB small character and guarantees the high quality of white blocks



A FUTURE OF INDUSTRIAL DIGITALIZATION DRIVEN BY INNOVATION

Intelligent manufacturing

Three pain points in traditional factories:



A lack of informatization and digitalization; low efficiency with manpower-based screen calibration, RIP and other operations



Industry barriers in the equipment result in disconnected workflow and information flow



A lack of tools of data collecting, displaying, mining and processing results in failure of data-based upgrading

Intelligent manufacturing & smart production

Intelligent manufacturing & smart production

Based on the independence of machines, HanGlory Group upgrades the communication protocol of the full set of intelligent devices to fit the cloud system of customers. The common language program is coordinated to be interconnected with IoT devices and to make machines intelligent. Meanwhile,

based on the pain points and difficulties, HanGlory Group has developed a full set of solutions and a series of functional module targeted at flexible manufacturing. Moreover, all products are being upgraded to speed up the automation and informatization of industrial production.

A brand-new model of digital production chain

Limitations of traditional printing



High production cost



Low efficiency



Long delivery time



Environment issues

Cloud printing+flexible factory: A comprehensive Internet printing solutions provider

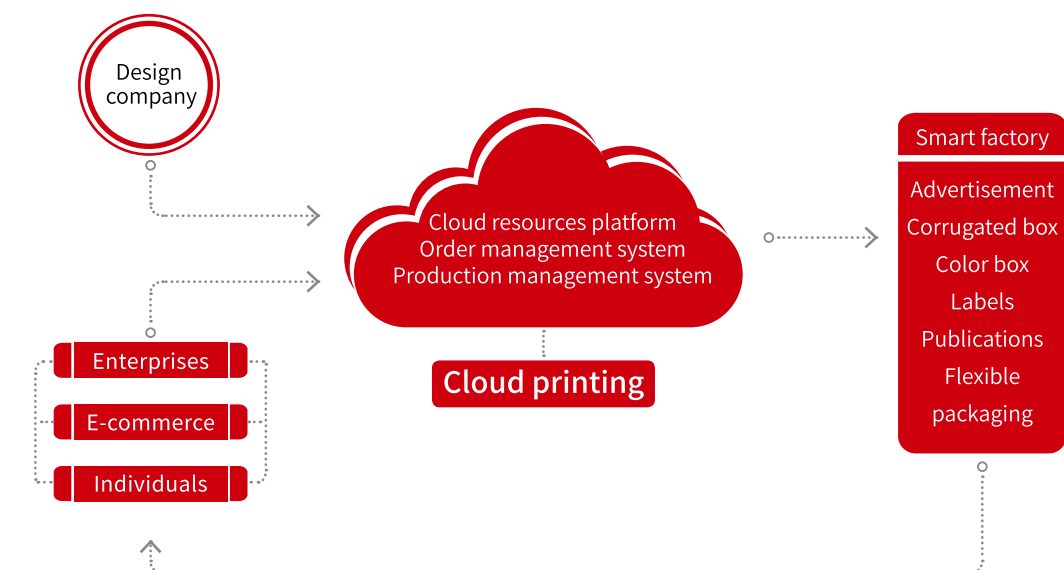
At present, customers have higher demands for the production costs, quality, life cycle, personalized requirements and other aspects of printing business. During the transformation and upgrading of the whole printing industry, cloud printing and flexible industry sweep in.

By collecting large quantities of orders on the Internet and taking advantages of combined printing and logistics distribution system, the contradictions between printing factory and personalized demands of customers are solved.

Flexible production refers that the factory will make products based on the orders and the personalized demands of customers in order to meet their needs with small batches and diverse products.

HanGlory Group is committed to the promotion of digitalized, intelligent and ecological production chain and the digital transformation and upgrading of printing industries by creating a brand-new model of digital production chain based on cloud printing and flexible factory.

A comprehensive model



Lower transaction cost, higher production quality, lower production cost, shorter delivery time, flexible production, personalized printing, cross-regional collaborative management, better resource allocation

NEWS

The new heights of HanGlory Group

—HanGlory Group R&D, production and supply chain base of digital press has come to the final stage

The base is built to be a leading factory of intelligent manufacturing in South China. It is estimated that it will be used in early 2022.

The base is expected to produce about 1,500 digital printers per year, more than 1 billion yuan in a yearly production.

—Zhuhai D.C. Ink base expansion has come to the installation stage

The base is built to be a leading R&D and production base of digital inkjet ink and to promote the R&D technologies and productivity. It is expected to improve the productivity to over 10,000 tons and help HanGlory Group to develop and upgrade its digital inkjet printing production chain.

—"Shenzhen Headquarters of HanGlory Group " is scheduled to be built in early 2022

Achievements of high-tech brand incubators

—Hanway

Hanway cooperated with X-rite, the leading company in color science and technology, to develop standard color cards for the digital packaging printing and establish color standards to help customers.

With the research and development of Single Pass intelligent digital packaging printing technology, Hanway won the second prize of Science and Technology issued by Printing and Printing Equipment Industries Association of China.

—HanGlobal

HanGlobal LabStar 330 was awarded G7 Colorspace by IDEAlliance (International Digital Enterprise Alliance). HanGlobal became the first digital inkjet press manufacturer with G7 Colorspace.

HanGlobal digital inkjet press Kirin pass C9 Printing and Packaging Quality Control and Evaluation (C9 Evaluation) issued by China Academy of Printing Technology (CAPT)

—CNTOP

CNTOP provided digital textile printers to the Rhino Smart Manufacturing, the first new manufacturing platform in the world established by Alibaba, and developed solutions about smart textile printing with it, helping Alibaba to blaze a new trail in smart manufacturing.

—Homer

Homer won the second prize of Shenzhen Science and Technology Progress Award 2018 with its R&D in the key technologies of industrial-grade digital textile printers.

—HandTop

The High-speed digital press HTA2500 ROBO adopted brand-new auto loading and unloading solutions, bringing more automatic production values for the whole industry with its automation.