

## Multi-Process Modules (Optional)

### Hot Air Unit

#### Features:

- Precise temperature control to ensure rapid and safe hot air drying and subsequent operations of materials.
- Rapid drying of surface coatings or ink, reducing ink drying time and enhancing production efficiency.
- Compared to traditional drying methods, it is more energy-efficient and environmentally friendly, reducing energy waste.

#### Technical Parameters:

Infeed width	1600 mm
Equipment Dimensions	4250 * 2020 * 2050 mm (L * W * H) (according to infeed direction)
Net weight	2000 kg



### Drying Unit

#### Features:

- Utilizes a safe and efficient hot air drying process, with adjustable air volume and temperature.
- Ensures stable production quality, suitable for various materials, and delivers excellent drying results for coated board.
- Utilizes segmented airflow distribution, allowing for the adjustment of suitable hot air zones according to product width. Recirculation of hot air enhances energy efficiency and environmental friendliness.

#### Technical Parameters:

Feed Width	1600 mm
Equipment Dimensions	4250 * 2070 * 2050 mm (L * W * H) (according to infeed direction)
Net Weight	3200 kg



### Varnishing Unit

#### Features:

- Precise coating accuracy control with adjustable coating quantity, suitable for a wide range of applications.
- Continuous circulation of coatings during the production process, ensuring uniform and stable coating concentration.
- Integrated control interface for centralized setting of various production parameters, facilitating quick and convenient product specification changes.

#### Technical Parameters:

Board Width	1600 mm
Equipment Dimensions	4250 * 2070 * 2050 mm (L * W * H) (according to infeed direction)
Net Weight	3800 kg



### Stacking Unit

#### Features:

- High-speed, high-quality, and high-security stacking, saving labor, resources, and time.
- Neat stacking, stable performance, simple structure, and wide range of stackable cardboard.
- Integrated control interface for centralized setting of various production parameters, user-friendly and easy operation.

#### Technical Parameters:

Changeover Time	≤1 min	Adjustment Precision	±1 mm
Stacking Height	1700 mm	Stacking Misalignment	≤5 mm
Equipment Dimensions	10750 * 4100 * 3700 mm (L * W * H) (according to infeed direction)		
Net Weight	7000 kg		



## Specifications

Model	Glory160X HD		
<b>Printing Mode</b>			
Std Resolutions	1200 * 1200 DPI		
Production Speed	76 m/min		
Max. Mechanical Speed	150 m/min		
Max. Change Over time	2 min		
<b>Equipment Information</b>			
Type	Various Corrugated Boards (Coated Boards, Brown Boards, White Boards, etc.)		
Infeed (L * W)	Max. Infeed: 2800 * 1600 mm (according to infeed direction)	Min. Infeed: 400 * 450 mm (according to infeed direction)	
Media	Registration	Infeed Accuracy (Feeding Direction): ±1 mm	Printing Registration Accuracy: ±0.2 mm
	Thickness	1.5 - 11 mm	
	Handling	Leading-edge board feeding, media positioning, vacuum adsorption, conveyor belt, ensure stability and high quality during the printing process of corrugated cardboard.	
	Technology	Single Pass, Piezoelectric Inkjet Technology	
	Printheads	Up to 13 heads per color (Priming Unit: 1 sets Up to 14 heads per set)	
Printing	Colors	(C, Y, M, K) + 2 Spot colors	
	Width	1490 mm (Max. Print Width)	
	Ink	Water-Based	
	Ink Supply	Negative Pressure Fully Automatic Ink Supply System	
Software & Input Formats	Third-Party Professional RIP Software, PDF, EPS, TIFF, JPEG, AI, etc. (Provides color solutions for different printing materials)		
Operating Software	Glory HD Inkjet Control Software		
<b>Electrical &amp; Environmental</b>			
Air Supply Requirements	Pressure: 0.6 - 0.84 MPa, Flow Rate ≥200 L/min, Clean Air (Oil-Free, Water-Free)		
Environmental Requirements	22 - 28°C (Temp), 45 - 65% RH (Non-Condensing) (Humidity)		
Power Supply & Installation	4-color Mode Without Priming: 260A, 152 kW	4-color Mode With Priming: 320A, 192 kW	6-color Mode Without Priming: 330A, 197 kW
Power	Optional Hot Air Unit: 19A, 10 kW	Optional Varnishing Unit: 126A, 77 kW	Optional Drying Unit: 99A, 61 kW Optional Stacking Unit: 24A, 12 kW
<b>Dimensions &amp; Weight</b>			
Equipment Dimensions (L * W * H)	4-color Mode Without Priming: 10.2 * 5.65 * 2.75 m	4-color Mode With Priming: 12.6 * 5.65 * 2.75 m	6-color Mode Without Priming: 11.4 * 5.65 * 2.75 m 6-color Mode With Priming: 13.8 * 5.65 * 2.75 m
Net Weight	4-color Mode Without Priming: 12300 kg	4-color Mode With Priming: 16300 kg	6-color Mode Without Priming: 14300 kg 6-color Mode With Priming: 18300 kg
	Optional Hot Air Unit: 2000 kg, Optional Drying Unit: 3200 kg, Optional Varnishing Unit: 3800 kg, Optional Stacking Unit: 7000 kg		

# Glory160X HD

SINGLE PASS "HIGH-DEFINITION CORRUGATED DIGITAL INKJET PRINTER"



Standard Printing Resolution: **1200 \* 1200 DPI**

Setting a New benchmark for High-Speed & HD Packaging



### Shenzhen Hanway Industrial Digital Equipment Co., Ltd.

Add: No.39 Qingfeng Road, Baolong Street, Longgang District, Shenzhen (2-3/F, Building C, Jingmida Digital Culture Industry Park - HanGlory Group)

Tel: +86 0755-23080896 / 0755-23062862 Fax: +86 0755-23217841

E-mail: info@hanglorygroup.com Web: www.hanglorygroup.com

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V2.0/2024



# Glory160X HD

## Rapidly Achieve Premium Packaging Production Capacity

Drive Your Business Expansion and Commercial Success



With the industry's continuous pursuit of quality enhancement, Glory160X HD is Hanway's new generation industrial corrugated digital inkjet printer tailored for the higher-value packaging market. It is designed specifically for Single Pass high-speed stable quality production. The brand-new 1200 DPI technology elevates printing quality to a new level, especially opening up new opportunities in the field of the coated corrugated application. Exquisite and rich colors, precise and clear images, vibrant and vivid presentation, even the subtle textures, fine fonts, and accurate reproduction of color fields, all ensure that your image quality reaches the best effect comparable to offset printing. Efficiently responding to the market's higher demand for order requirements, adapting to the rapidly changing market trends, and driving your business expansion and commercial success.

### Enhancing Product Quality Comprehensively and Strengthening the Ability to Explore the Market

#### New Generation 1200 DPI Inkjet Printing

- With a high resolution of 1200 \* 1200 DPI, achieving a new leap in high-speed, quality, and stable inkjet printing. Finer ink droplets, better color uniformity, and more accurate representation of intricate details in images and text.
- Max.Mechanical Speed: 150 m/min
- Standard Production Speed: **76 m/min**(1200 \* 1200 DPI)
- Standard Printing Resolution: **1200 \* 1200 DPI**

#### Quality Improvement at a Quantitative Level

- Ink-matching priming solutions reduce requirements for coated and uncoated cardboard, expanding packaging printing capacity.
- Optimizing and enhancing ink solutions to increase color density, color saturation, and image expression.

#### Diverse Order Modes, Expanding Business Modes

- Infinitely variable designs to meet multi-version, personalized, and variable data orders.
- Brand protection and anti-counterfeiting traceability, creating personalized marketing campaigns and increasing profits.

### Enhanced Workflow Automation, Integration, and Intelligence

#### Linked Application Solutions, Customizable as Needed

- Multi-process integration, overall connectivity including: host (feeding + pre-coating + printing) + drying + varnishing + stacking.
- Modular design, inkjet printing unit can flexibly select pre-coating, drying, varnishing, stacking, and other functional modules.

#### Flexible Machine Color Groups

- Glory160X HD offers a wide range of choices to meet the diverse color combination needs of different customers.

#### Optional MES System, Digital Management

- Manufacturing Execution System achieves efficient production management.
- Digital management, empowering customers to achieve better resource planning for personnel, machinery, and materials.
- Rapid realization of equipment interconnection.
- Accelerated multi-department collaboration response.
- Streamlined and simplified production processes.
- Increased manufacturing efficiency and quality.
- Reduced waste, lowered inventory.
- Enhanced competitiveness in order delivery.

## New Benchmark of High Definition High-Speed Coated Boards

Excellence Redefined: Superior Quality, Performance, and Stability

#### Revolutionizing Printing: The New 1200 DPI Inkjet Technology

This innovative inkjet technology, surpassing the quality of offset printing, operates at an impressive resolution of 1200\*1200 DPI—twice that of the previous 600 DPI standard. As a result, it delivers sharper details in images and text, vivid color reproduction, and lifelike textures. In the realm of high-speed inkjet printing, it sets a new benchmark akin to traditional offset printing excellence.

#### New Generation 1200 DPI Inkjet Printing Technology:

- High Output Ratio: the Max. speed of 150 m/min.
- Printhead Adaptability is Excellent: Resulting in less maintenance time and reduced ink consumption, leading to overall cost savings.
- Endurance for Long-Term Continuous Printing: The printhead boasts wide temperature adaptability, ensuring stable operation even during prolonged high-speed printing without requiring additional cooling mechanisms to mitigate wear due to high temperatures, thus meeting the demand for uninterrupted 24/7 production.

#### Digital Priming Technology (Optional):

- Digital Priming: This feature serves as a primer, minimizing the influence of material variations on printing outcomes. It ensures uniformity across various material choices.
- Localized On-Demand Priming: By defining clear jet boundaries, this feature allows for precise printing in specific areas. It enhances spray effects while conserving coating material.
- Non-Contact Printing: Apply priming only where needed, without damaging unprinted material surfaces. This approach improves overall printing quality.

#### Built for Reliable Long-Order Productions:

- High-Resolution Industrial-Grade Printhead + Integrated Inkjet Control System.
- Modular Base Design + Precision Manufacturing + Advanced Inkjet Control System.
- Intelligent Anti-Warping Technology for Enhanced Print Quality and Media Compatibility.
- Utilization of Core Components from Top Global Brands, Ensuring Exceptional Hardware and Software Performance.

#### Core Independent Research and Development Capabilities:

- Mastery of Digital Inkjet Core Independent Intellectual Property.
- In-House Development of Core Software, Mechanical Platforms, and Inkjet Systems.
- Independent Advancements in Core Printhead Driving Technology to Deliver Superior Inkjet Performance.
- Collaboration with Esteemed Printhead Manufacturers, Accumulating Over a Decade of Experience in High-Speed Industrial-Grade Printhead Research and Implementation.

#### Independent Ink Development and Supply Chain:

- High-Density Pigment Inks.
- Faster Drying Speeds, Finer Images, Crisper Text, Wider Board Compatibility, and Environmental Sustainability.
- CMYK Colors with Vivacity Almost on Par with Offset Printing Ink Color Range.
- Establishment of an Independent Ink Supply Chain, Cultivating an Inkjet Industry Ecosystem.

### Industrial Digital Printing Solution Provider

