Wall Printing Machine with H-shape Rails & Built-in Computer System

Model: PE-H30 PE-H40

Seamless
Splicing

Built-in PC
System

Optional
Foldable
Design

Support No
Track Print

Global Market

CE Honors

20 YEARS HISTORY

Technical Supporting

24 Hour Online Service

Customer-orientated

Wish to provide benefit to agents and customers

Free pre-sales consulting, free sample service

Life-long service

Engineer overseas installation available

2-12 hours quick feedback & after-sales service

10000⁺ customers choice

Perfect Laser wish to be your reliable business partner

Perfect Laser new type vertical wall printing machine adopts H-shaped rails, it does not need to install tracks when printing on flat ground.

Adopts auto positioning and seamless splicing function, the vertical wall printing machine can print super-large images, as large as you want on the wall.

With advanced built-in computer control system and 12-inch LCD colorful control screen, it is very convenient to operate and work outside. So it's very popular in the market.

Seamless Stitching Function

It can automatically divide the super-sized images into multiple areas for printing, and realize seamless splicing by automatically identifying the starting point, presenting a complete picture.

No matter how big the picture is, Perfect Laser will achieve perfect printing for you!

The following is an introduction to the different forms of printing:

▶ **One-time printing:** When the height of the picture frame does not exceed 2 meters and the width does not exceed the width of the guide rail, there is no need to perform partition printing, and a perfect picture can be created at one time.

▶ When the width of the frame exceeds 2 meters, use scaffolding to raise the machine, and then perform partition printing.

▶ When the height of the frame exceeds 2 meters and the width exceeds the width of the machine guide rail, the picture can be divided into multiple areas (4, 6, 9, 16, etc.) for printing.

▶ Supplement:

When printing in zones, the machine first needs to print the area in the upper left corner (we call it "Area 1"). After printing, the machine completes the positioning mark. You can select any area next to "Area 1" to print, at this point, the machine can automatically identify the starting point to achieve seamless splicing.

1. Wall Material

Including interior and exterior wall putty wall, latex painted wall, white wall, Imitation porcelain walls, wall clothing, color coating glaze, shell powder, color grain paint, etc.

2. Non-adsorbent Material

Including glass, ceramic tiles, wood, metals, etc.

Glass

Ceramic Tile

Wood

Metal

Applicable Industries

The wall printer is widely used in home decoration, advertising industry, cultural and educational industry, government propaganda, hotel decoration, art experience museum, etc.

home decoration

advertising industry

cultural and educational

government propaganda

hotel decoration

art experience museum

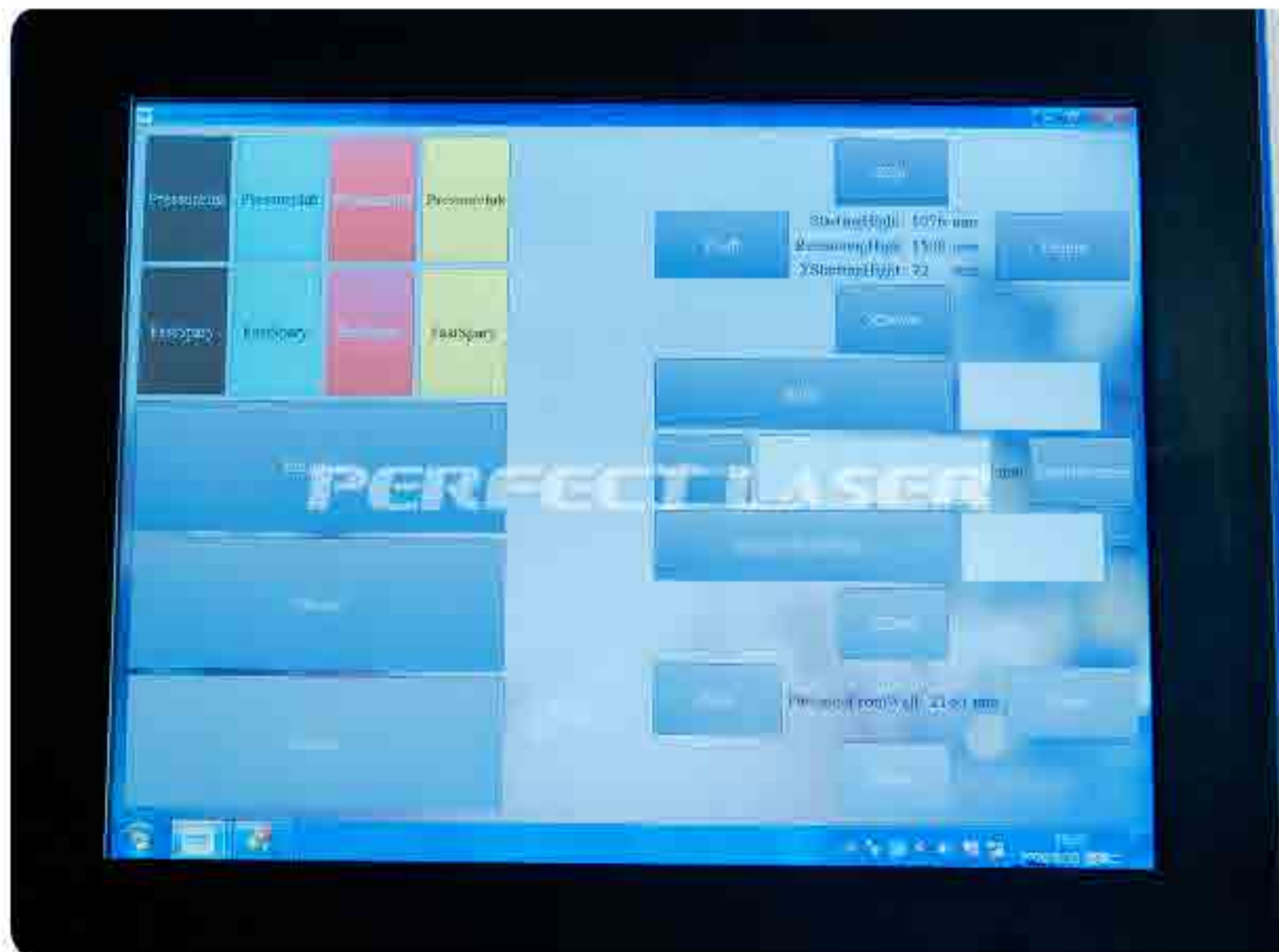Printing Head

Ink Tanks

Wheels

Steel Rail

1. The vertical wall printing machine adopts advance digital positioning technology, with static zone calibration for up and down, step calibration for left and right. It can achieve precise positioning and ensure excellent printing quality. It abandons the traditional positioning mode of relying on raster bars and drive racks, avoiding inaccurate positioning and color bar problems caused by component wear or external wind.

2. The wall inkjet printer china adopts Japan imported industrial-grade printing head with protection device. It is equipped with dual sensors, Z-axis automatic induction, the printing head can automatically expanding, and always keep a suitable distance with the wall, effectively prevent the printing head from being damaged.

3. This vertical wall printer with H-shape rails can move without tracks when printing on flat ground. The motor can drive the two rear wheels to move for printing.

4. The body of wall printer is equipped with a built-in computer system and a 12-inch LCD colorful screen, it is very convenient to operate and work outside.

5. Touch-type flash printing test of wall inkjet printer china can print a single color with large capacity, to keep the color normal and avoid cross-color.

6. The vertical wall printing machine body has a UPS backup power supply, it can automatic charging and switching when unstable voltage or power failure. The wall inkjet printer china can still work for 10 hours after power failure (when the backup battery is fully charged). So it is very convenient to work anywhere or outdoor.

7. The vertical wall printing machine supports customized fold-able vertical rack, it is convenient to carry outside.

8. The wall inkjet printer china uses AI intelligent image processing technology to scan and analyze pictures in different formats, match colors, and to control precise ink output.

1 12-inch LCD Control Screen + Built-in PC System

The computer system is integrated in the machine body, you can print easily just by controlling 12-inch LCD colorful screen, so it's easy to operate and work outside.

2 Switch Panel

One-key turn on, easy operation.

3 Printing Head

By connecting the ink and adjusting the parameters, the printing head can work quickly and print colorful images. The printing head can be customized, or you can also choose 2 printing heads according to your requirements.
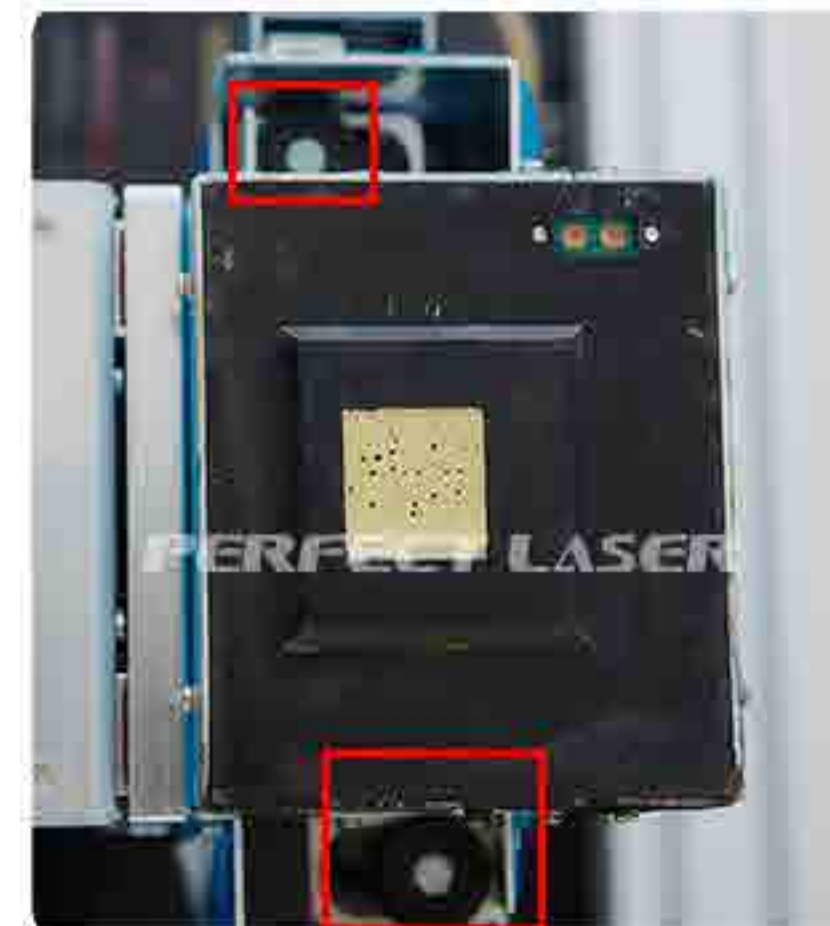

Single head

Double head

4 Ink Tanks

Each machine is equipped with four ink tanks. The machine can print vivid color and create beautiful image as you want.

The dark bottle with sealed design is used to prevent the ink from curing due to contact with ultraviolet rays.

5 Photoelectric Switch

The printing head can automatically expanding, and always keep a suitable distance with the wall, effectively prevent the printing head from being damaged.

6 Red Light Pointer

Red light pointer is for positioning and seamless splicing. It can indicate the start point in every small splicing area, makes super-large images printing to be so easy.

7 **Motor Synchronous Wheels**

The two rear synchronous wheels can be driven to move when printing on flat ground.

When the machine is not working, the small wheel between the two synchronous wheels needs to be put down to cooperate with the front wheels to move the machine. Also it protect the synchronization wheels from wear.

8 Guide Rails

The guide rail is made of high-quality aluminum-magnesium alloy, which is very light and durable.
Each section of the guide rail is connected by a lock, so it is very convenient to assemble them together.

9 Universal Wheel

Convenient to move the machine to any place you want.

Model	PE-H30	PE-H40
Printing Head	Japan Imported Industrial Grade Printer Head ×1 pc	Japan Imported Industrial Grade Printer Head ×2 pcs
Colorful Painting Speed	32m²/h	64m²/h
Main board Configuration	6-core CPU, 2GB DDR memory	8-core CPU, 4GB DDR memory
Control Type	LCD Control	
Data Transfer Method	USB 2.0 / 3.0	
Host Size (L×W×H)	400×500×2500 mm	
Rail Size (L×H)	3000×2500 mm	
Z axis guide	170 mm	
Longitudinal Effective Stroke	2000 mm	
Horizontal Effective Stroke	Unlimited	
Z axis Effective Stroke	150 mm	
Ink Consumption / Square	6-10 ML	
Painting Accuracy	9600 DPI	
Painting Direction	Vertical type	
Rail weight	18.8 Kgs	
Ink Tank Capacity	400ML=100ML×4	

Automatic Memory	Have	
Memory Recovery	Have	
Print Head Buffer	Have	
Spray Distance	0.5-2.0 cm	
Ink Supply Mode	Negative Pressure Automatic Ink Supply	
Integrated Voltage Regulator	Have	
Automatic White Jump	Have	
Certification	CE / ISO / FDA / GB18582-2001 / GBT9756-2001	
Power Supply	AC110V (90-132V) / AC220V (180—264V), 47-63HZ	
Power Consumption	No load:20w, Generally:75w, MAX: 250w	
Noise	Standby <20dBA, Drawing <50dBA	
Operation Temperature	-10℃-60℃ (14°F-140°F)10%-80% Relative humidity, non-condensing state	
Storage Temperature	-30℃-60℃ (-22°F-140°F)10%-80% Relative humidity, non-condensing state	
Language	Chinese and English (Or customized)	
Machine Body Weight	39 Kgs	40.5 Kgs
Training	VCD training, Engineer overseas training is available (charged additionally)	
Guarantee	12 months	

Main Difference Between PE-S80 and PE-H30

Model	S series	**VS**	H-series
Track	Triangle structure , Stable		H Shape Track, suitable for very flat groud
Standard Print Area	2.5mx4.5m(S80)		2.5mx3m
Nozzle quantity	2 pcs		1 pcs
Print Speed	64 m²/h		32 m²/h
Control method	8 inches PAD, removable		Intergrated LCD touching screen, 12 inches
Moving Way	move on the tracks		can move by wheels on floor directly, also can move on tracks
Requirement for the floor	low requirement for flatness of ground. suitable for outdoor working		high requirements for the flatness of the ground , it is equipped with level gauges to ensure that the track is completely horizontal and vertical.
Applicable environment	Indoor and outdoor		Indoor decoration

48 Hours Running Test

48h

72 Hours Aging Test

72h

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Wall Printing Machine

Q1: Are you a factory or a trade company?
A1: We are a factory.

Q2: Where is your factory located? How can I visit there?
A2: Our factory is located in Wuhan, Hubei province, China.
All our clients are warmly welcome to visit us!

Q3: Do you have any certificates?
A3: All series of machines have passed CE cerification.

Q4: What is the trade term?
A4: FOB/CIF/CFR/EXW are favorable.

Q5: What is the payment term?
A5: T/T.

Q6: Do you arrange shipment for the machines?
A6: Yes, We can arrange shipment based on FOB/CIF terms.
For EXW price, shipment should be arranged by your
shipping agents.

Q7: Warranty?
A7: 12 months guarantee.

Q8: How is the packing?
A8: All the packing comply with exporting standard.

Q9: How long is the lead time?
A9: 7-10 working days.
For other questions,we will reply you ASAP after receiving your consult!

PERFECT LASER

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