

HP-PC400-6

Inkjet coating machine

Specification transcribed from the Haipai main equipment catalogue 20251212, item 7.



Specification

Frame size	1350 × 1830 × 1950 mm (L × W × H)
Control	Industrial computer and Tetris industrial printing software
Programming	Gerber file import, manual modular programming, or image programming
Transport height	910 ± 20 mm
Transport	Chain, 0.5–3.5 m/min, PCB edge at least 3 mm. Dual stepper motors, independently controlled
Rail width	50–400 mm, electrically adjusted by stepper motor and dual ball screw
Print area	400 × 400 mm. Component height 20 mm maximum
Axes	X, Y and Z by servo motor and screw. Repeatability ±0.02 mm. Maximum print speed 500 mm/s
Thickness	20–50 µm in one pass. Multiple passes possible. Thickness control ±5 µm
Spray heads	Custom piezoelectric spray head. Two printing heads installed, two further head positions reserved
Ink path	InkCore X2506, for high viscosity, multiple heads and a wide print width. Built-in cleaning
Vision	500W industrial camera, 0.01 mm per pixel. Mechanical lift positioning
Pre-cure	UV LED, 395 nm, air cooled. Curing method: UV, 395 nm LED
Lighting	Built in
Environment	300–1000 lx; 17–28°C; 30–70% RH
Supply	AC 380 V, three-phase, five-wire. Power 7 kW. Air 0.5 MPa or above
Weight	About 1500 kg
Material	Viscosity 20–100 mPa·s at 25°C. Jet viscosity 15–40 mPa·s at 45°C. Surface tension 20–40 mN/m. Particle size D99 under 1000 nm, D50 under 600 nm. Materials must be tested and certified by the Haipai laboratory before use.

The outline drawing in the 2026 Haipai catalogue, captioned Jet Coating Machine HP-PC400-6, is marked 1550 mm wide, 2100 mm high and 2050 mm deep. That drawing does not match the frame size in the 2025 catalogue table above. Confirm the frame size before ordering.