



# HYBRID PRINTER 60X90 ESS-ESUVO24PU1

The ESS ESUVO24PU1 is a hybrid UV flatbed printer engineered for high-resolution printing on both rigid and flexible substrates. Its piezoelectric printhead technology combined with a CMYK + White + Varnish ink configuration enables multilayer printing, allowing the production of vibrant colors, white underbase applications, and textured varnish effects. This configuration ensures strong adhesion, water resistance, and long-term durability across a wide variety of materials.

The system is designed with an automatic flatbed platform and adjustable media height, supporting materials up to 18 cm thick. According to the specification panel on page 1, it integrates a recognition camera that automatically detects the position of substrates, reducing setup time and improving placement accuracy. The printer is compatible with rigid materials such as acrylic, MDF, and leather, as well as flexible media including vinyl, banner, and TPU, making it suitable for industrial signage, packaging prototypes, decorative panels, and customized product applications.

In terms of productivity, the speed chart on page 0 indicates output of up to 8 linear meters per hour in draft mode, 6 meters per hour in production mode, and 4 meters per hour in quality mode under 8-pass configuration. The system offers a maximum print area of 60 × 90 cm and operates on a 220V bi-phase electrical system with a total power consumption of approximately 2.1 kW, ensuring stable performance in professional UV flatbed production environments.

## TECHNICAL SPECIFICATIONS

PRINTING SYSTEM	
Technology:	Hybrid UV flatbed piezoelectric printing
Number of printheads:	3 printheads
Ink configuration:	CMYK + White + Varnish UV inks
Maximum print width:	Up to 60 × 90 cm print area
PRINTING SPEED	
Draft Mode:	Up to 8 linear meters/hour (8 passes)
Production Mode:	Up to 6 linear meters/hour (8 passes)
Quality Mode:	Up to 4 linear meters/hour (8 passes)
Note:	Speeds may vary depending on material type and print configuration
FORMAT & MATERIALS	
Compatible materials:	Acrylic, MDF, leather, vinyl, banner, TPU, and similar rigid or flexible substrates
Maximum roll weight:	Not applicable (flatbed system)
Supported file formats:	Compatible with Illustrator, CorelDRAW, and AutoCAD workflows
Software:	Not specified in source
POWER & ELECTRICAL	
Total power consumption:	Approx. 2.1 kW
Heater power consumption:	Included in total consumption
Electrical requirement:	220 V, bi-phase
Frequency:	50–60 Hz
WORKING ENVIRONMENT	
Operating temperature:	23–30 °C
Humidity:	Not specified in source
DIMENSIONS & WEIGHT	
Dimensions (L x W x H):	153 × 156 × 150 cm
Weight:	215 kg
Warranty:	One-year warranty