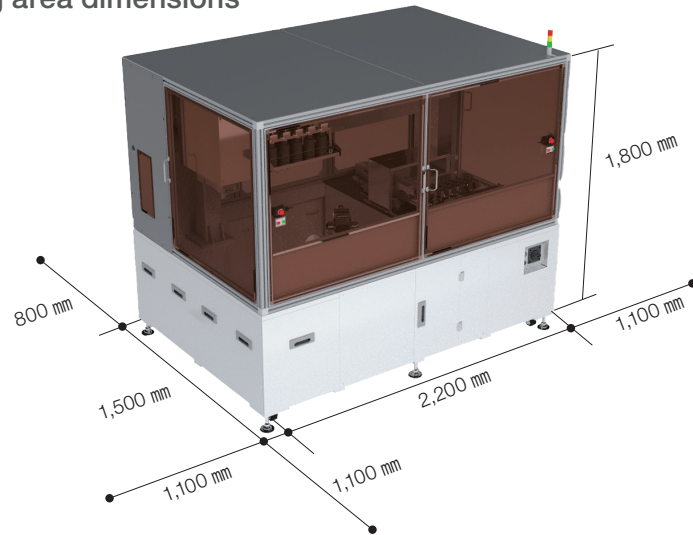


Technical Specifications

Item		Specifications	Remarks
Printing		Piezo Inkjet	
Printhead		S800 × Up to 5 (PrecisionCore Printheads)	Printhead Options: Aqueous or Solvent/UV Ink Compatible
Print Resolution		600dpi	
Printhead Carriage unit	Axis Configuration	X-axis (scanning) + Z1-Z5 axes (individual vertical movement for each head)	
Workpiece Gripping Unit	Axis Configuration	Y-axis (front-back) equipped with a 6-axis robot for work Gripping and transfer	EPSON C4-A601S 6-axis robot
	Max. Payload	4 kg (5 kg downward orientation, 1 kg typical)	Including weight of Jig
Supported Workpiece Size	3D objects	Up to W800mm×D800mm×H400mm	With dedicated jigs for each workpieces
	Flat stage	Up to W300mm×D300mm×T180mm	
Printable Area		W600mm×D400mm×T180mm	Recommended for regular quality (Relaxed depending on expected image quality)
Surface Tilt (Scan Axis)		Up to 45°	
Ink Supply		Ink Tank and Ink Circulation	Ink Tank Capacity: 250mL/Head
Installation Environment (Recommended Conditions)		20 - 30℃, 35–55% RH (non-condensing)	
Utilities	Power Requirements	AC 200–400V, up to 30A, 3-phase, 50/60Hz	Power configuration can be customized according to regional standards and customer requirements.
	Air Pressure	0.4MPa or more, 100L/min	
	Exhaust Port Diameter	Φ150mm × 2	Facility:≥10m³/min,≥5m/sec
Power Consumption		1KW	Rated power consumption
Dimensions		W2200mm×D1500mm×H1800mm	Excluding protrusions
Weight		Approx. 1600 kg	
Printhead Heater		R.T. to 50℃	
Curing Light Source		UV-LED	
CE Marking		Preparation for CE certification is underway	Compliance with applicable regional safety standards will be ensured prior to commercial distribution within the EU.

System and Working area dimensions



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EPSON

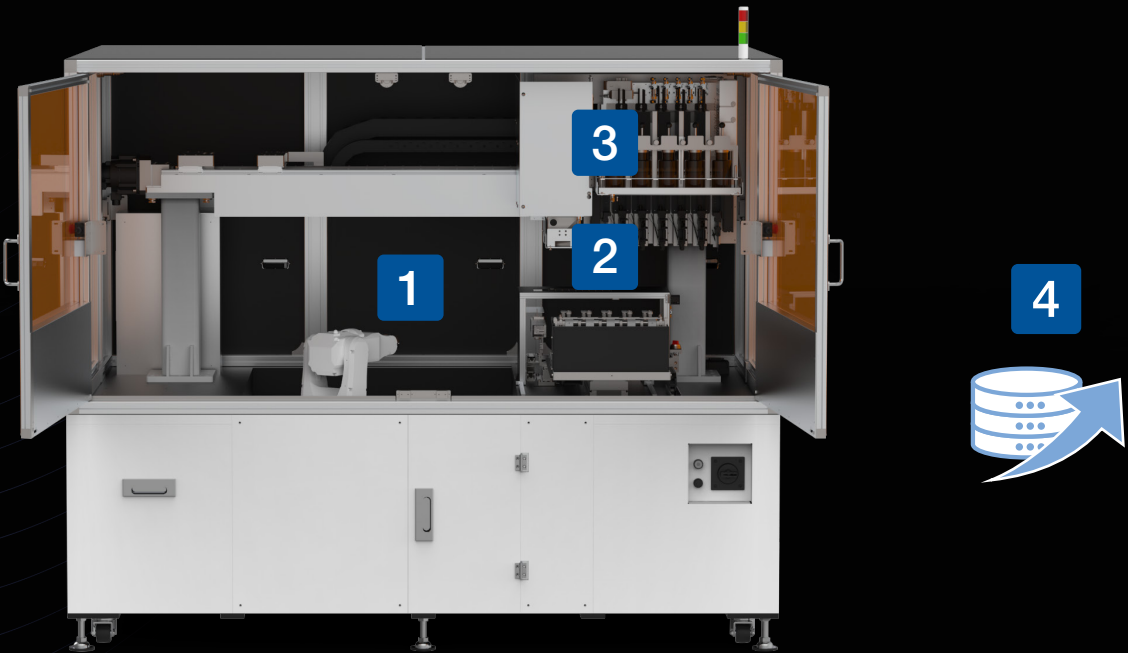


Direct to Shape Printing System

Simplify/automate the printing process with Inkjet



Direct to Shape Printing System



Feature and Benefit

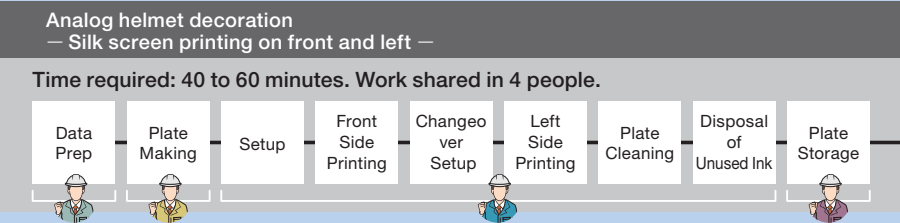
Feature	Benefit
○ Full-color printing onto curved / complex surfaces	➔ No need for analogue plating
○ On-Demand and variable printing	➔ Small-lot printing for various items
○ Simplified, labor saving, ecological process	➔ Reduce labor cost, repeatable output
○ Efficient material usage	➔ Reduce CO₂, VOC emission
○ Possible to use as a built-in Cell. Equipped with 5 x S800 printhead which is the most compact printhead in the PrecisionCore series*1	➔ Flexibility to integrate to existing system

*1. For custom head configurations, please contact us.

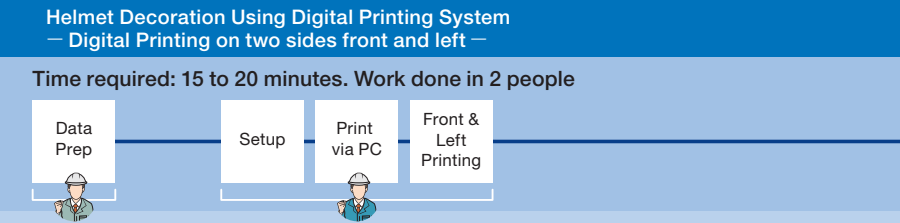
Customer Use case

By replacing the printing process from analogue to digital, improved productivity / safety, reduced lead time and labor cost while enabling on-demand, small-lot printing.

Digital Printing Time : Approx. 2 mim (2 sides)

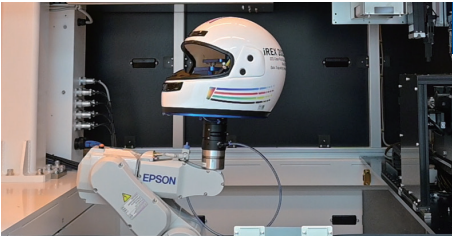


- **Labor-Intensive Workflow:**
Printing done in multiple steps, heavily relies on manual work.
- **Efficiency depend on skill:**
Printing time varies depending on the skill of labor.



- **Streamlined Workflow:**
The process has fewer steps and significantly reduces manual labor.
- **Consistent Productivity:**
Productivity remains stable regardless of the operator's skill level or experience.

1



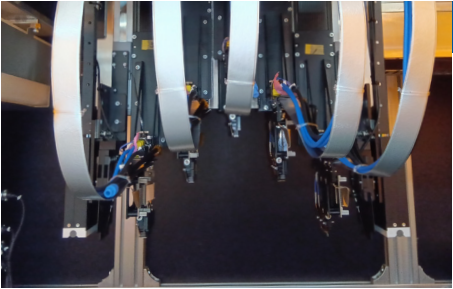
Workpiece Handling Unit

Equipped with a 6-axis robotic arm for workpiece handling, enabling direct printing on a wide variety of shapes by supporting diverse printing orientations.

Standard flat stage for A4 films and simple-shaped workpieces.

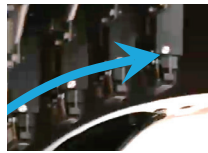


2



Printhead Carriage unit

Independent vertical control of multiple printheads enables precise trajectory tracking along curved surfaces, enable high-quality printing.



Equipped with the most compact S800 printhead in PrecisionCore series.



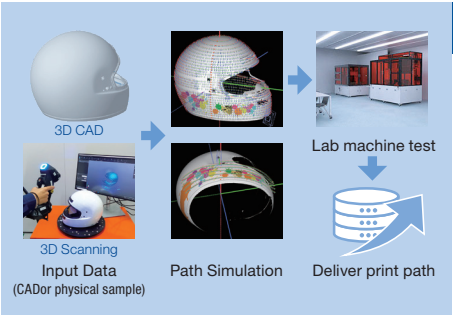
3



Ink Supply / Ink Circulation

250mL ink bottle mounted above each printhead. Ink recirculation system equipped to prevent sedimentation in white ink and other heavy loaded inks.

4



Path Generation Service

Possible to generate the most optimized print path by analyzing the 3D model of the work pieces even for complex shape.