

Intelligent modeling system, adopts imported high quality camera and image processing system, with smart mechanic structure, integrates automatic feeding, high-speed inspection, ejection, collection and quality analysis. Fast job change-over.



Technical parameters :

Machine Type	DG 650	DG 800
Max. blank size /mm	650 mm × 400 mm	800 mm × 400 mm
Min. blank size /mm	90 mm × 90 mm	90 mm × 90 mm
Machine dimensions L x Wx H/m	11.79×1.287×1.3	
Power supply	17 KW	
Compressed air	6 pa	
Standard imaging accuracy	0.16 mm × 0.15 mm	
Imaging accuracy of embossing position	0.08 mm × 0.125 mm	
Imaging accuracy of barcode position	0.05 mm × 0.05 mm	
Max. width of inspection	650 mm	
Min. dimension of point	0.1 mm ² (High contrast) , 0.3 mm ² (General contrast)	
Color difference	Auto contrast $\Delta E \geq 3Nbs$	
Max. inspection speed	250 m/min	

Note: 1. High contrast: the grayscale difference between defect and printing surface $\geq 40DN$ (grayscale).
 2. General contrast: the grayscale difference between defect and printing surface $\geq 10DN$ (grayscale) $< 40DN$.

Configuration :

Item	Configuration	Defect type
Print inspection	4K or 7K color camera	Hickl, color difference, white dot, print missing, darts and steels, mis-registration of printing, mis-registration of die cutting, die-cutting deviation, missing print on text, stamping defect & deviation.
3D varnish inspection	Embossing light source 8K monochrome camera	Embossing deviation, creasing line deviation, laminating folds & damage & bubble, wrinkle, varnish missing.
2D stamping inspection	Embossing light source (shared 3D) 4K monochrome camera	Golden or silver paper board plain laser stamping missing
Barcode inspection	Ring light source Small array camera (optional)	Identification and contrast of variable information, wrong code, duplication code, no code etc.
Back side inspection	Embossing light source 4K monochrome camera (optional)	White dot, print missing, text defect, dust, insect, bloodstain

▲ Camera distribution