



# CLEAN3D GREEN

BRINGING DESIGN TO LIFE



## BRINGING DESIGN TO LIFE

Full-colour 3D objects in a clean and green way



**Rapid  
Prototyping**



**Model  
Building**



**Proof of  
Concept**

## 5 REASONS TO BUY A CG-1



### **Zero Waste Full Colour 3D Printers**

The CG-1 Printer uses paper not plastic to produce highly stable, tactile 3D models which are bio-degradable and recyclable.



### **Clean Process**

The process is clean from beginning to end. No need for post-processing or washing with chemicals, simply break away the paper support material to reveal your finished model.



### **Safe Materials**

No need for dangerous powders or resins just safe Paper, Ink and Glue.



### **Green**

The CG-1 produces zero plastic waste, reducing your organisation's contribution to plastic pollution.

Using our patented Selective Deposition Lamination (SDL) technology, the CG-1 3D printer uniquely uses inkjet printheads with specialized paper and adhesive to build full colour, robust, textured, heat resistant, durable and effective 3D models.



### **Classroom and Office Friendly**

The CG-1 can be installed out of the box into any office or classroom. There is no need for special ventilation, fume extraction, specialist vacuum cleaners or indeed any other kind of special facilities. The CG-1 uses raw materials that are non-toxic and already in widespread use in our homes, schools and offices.

# FULL-COLOUR 3D OBJECTS IN A CLEAN AND GREEN WAY

The CG-1 full-colour 3D printer has a multitude of applications across a wide range of industries, including:

## EDUCATION

3D printing helps schools, colleges and universities provide more enriching learning and advance ideas and innovation across multiple disciplines, including engineering, health sciences and fine arts. The CG-1 is classroom-ready because of its unique material and process, which makes it safe to use in a classroom environment. With some training and support, the CG-1 printer can be used to produce realistic parts and models with fine detail, hollows or even moving parts. Best of all, the use of paper makes it an attractive eco-friendly option for educators globally.

## MANUFACTURING & INDUSTRIAL

From automotive, aerospace, medical equipment and consumer goods through design, development, manufacturing to marketing, all functions rely on 3D printing to communicate, accelerate time-to-market, cut costs, improve designs and win business. The CG-1 is the ideal choice for concept models, detailed prototypes, tooling, to packing design. The CG-1 allows in-house 3D printing with zero dust or emissions. Prototypes and models are tactile, robust, accurate and can be very resistant to warp, temperature, UV, or moisture.

## GEOGRAPHIC INFORMATION SYSTEMS (GIS)

Whether engaged in emergency planning or response, training, geologic analysis, real estate, city planning, or education, 3D printed GIS models revolutionize the way you can use and communicate with GIS data. Full-colour 3D GIS maps enable you to quickly and more effectively communicate with clients, colleagues, public audiences and students.

## ARCHITECTURE

Architects and AEC professionals know there isn't a substitute for transforming ideas into physical 3D models that they, their clients, and other stakeholders can see, hold, and touch. Traditional handcrafted models are costly and time-consuming to produce, and accuracy is compromised, resulting in long approval processes, unmet expectations, and lost business. The CG-1 can print accurate and tactile bright white or coloured models, texture maps like bricks and tiles directly onto models. These form factors help architects improve communication with their clients, securing faster approvals, reducing project timelines and effectively winning business.

## LIFE SCIENCES

Medical practitioners can use the CG-1 to quickly and easily create accurate and realistic physical 3D anatomical models from MRI and CT scans for pre-surgical planning, custom implant prototypes, as well as for communication, presentation, teaching and prosthesis design or even cosmetic surgery. 3D anatomical models help obtain better case information, cut hours from surgical procedures, improve patient outcomes, and offer clearer communication between team members, clients and patients.

## ENTERTAINMENT

To bring characters and avatars to life, animators, developers, and graphic designers demand finely detailed 3D models and prototypes usually handmade by skilled modelmakers. Yet, this can be labour-intensive and costly. The CG-1 enables the media industry and prop makers to save time when dealing with short deadlines. The CG-1 3D printer can transform any 3D digital data into accurate physical 3D models in full colour reducing the need for time-consuming traditional modelling and painting processes.

## Product Features

---

Resolution	X and Y axis 0.2 mm, and Z 0.1 mm
Colour	HD Colour 4800 x 2400 DPI in X, Y and 254 in Z
Build Size	184 mm x 168 mm x 125 mm (7.3 in x 6.6 in x 4.9 in) Adaptive build volume
Printer Technology	Selective deposition lamination (SDL)
Build Material	Paper
Recyclable Parts and Materials	Yes

## Product Specifications

---

Equipment Dimensions	900mm wide x 612mm high x 615mm deep (35.4in wide x 24in high x 24.2in deep)
Printer Dimensions (all doors open)	1530mm wide x 1040mm high x 630mm deep (60.2in wide x 41in high x 24.8in deep)
Power Requirements	350W, 240v 50Hz or 120v 60Hz
Network Connectivity	Ethernet, USB
File Formats for Printing	STL, OBJ, VRML, DAE, 3MF
Hardware Requirements	8GB memory and 100GB hard drive, 1GB graphics card
Operating Systems	64bit Windows 7, 8, 10 and macOS Big Sur
Regulatory Compliance	CE, UL
System Software	Orange
Office Compatibility	Yes