ArkePro
OFFICE 3D PRINTER

Product Features

Resolution	X and Y axis 0.2 mm, and Z 0.1 mm
Color	HD Color 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
Build Material	Selective deposition lamination (SDL) with specialist paper
Recyclable Parts and Materials	Yes

Product Specifications

Equipment Dimensions	880 mm wide x 593 mm high x 633 mm deep (34.6 in wide x 23.3 in high x 24.9 in 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 OS Z Yosemite
Regulatory Compliance	CE, UL
System Software	Mcor Orange
Office Compatibility	Yes

Mcor Technologies partners with Flex, the third largest global electronics manufacturing services company in the world, to manufacture our printers and with Funai, the Japanese consumer electronics company, for our printer parts.

Authorized Reseller

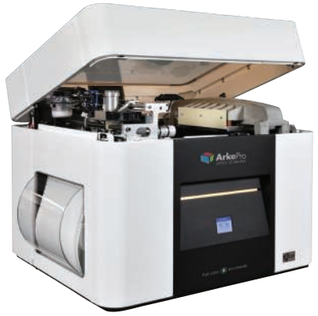
Strategic 3D Solutions, Inc.
4805 Green Road, Suite 114
Raleigh, NC 27616
919-451-5963

info@strategic3dsolutions.com
https://strategic3dsolutions.com/

Mcor

ArkePro
OFFICE 3D PRINTER

■ Full-Color ■ Eco-Friendly ■ Professional



Bring Your Designs to Life

ARKePro is a full color 3D printer enabling professionals to produce highly stable tactile models and prototypes. This office ready 3D printer uniquely uses inkjet with specialized paper and adhesive (using patented SDL Technology) to build robust, textured, heat resistant, durable and effective parts for use across a wide variety of industry sectors and applications.

The ARKePro 3D printer is office ready, safe, clean, eco-friendly, and professional grade, enabling creativity and innovation in ways never before possible.

FEATURES	BENEFITS
Inkjet CMYK color printing technology	Photo quality color Add identification numbers, QR codes, text and instructions, allowing traceability of your parts within your business
Specialist paper & adhesive build materials	Free from dust, emissions or VOCs (Volatile Organic Compounds) Stable, strong and tactile models High heat resistant compared to 3D plastics & polymers Office friendly and recycable materials
Strong and adaptively applied adhesive (Patented SDL Technology)	Highly robust and stable models Easy post-processing
Adaptive build process	Minimizes material usage and print time
Free Mcor Orange & Peel software	Full control over your color designs
Professional grade & high resolution	Accurate and reliable
LED touch screen with progress bar	Easy to use
Full connectivity with Ethernet and USB with no spooling requirement	Print anywhere, anytime, securely without the need for a dedicated PC
ICC (International Color Consortium) profile mapping	Unmatched WYSIWYG color accuracy even if you wish to apply coatings
Dedicated customer support and apps team	Successful customer experience
Sold through distributor channel partners	Locally provided training, support and supplies backed by Mcor

FULL COLOR ECO-FRIENDLY PROFESSIONAL

The ARKePro full color 3D printer has a multitude of applications across a wide range of industries, including:

MANUFACTURING AND INDUSTRIAL

From automotive, aerospace, defense, 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. ARKePro is the ideal choice for concept models, detailed prototypes, tooling, to packing design, all printed in full color in an office environment with zero dust or emissions. Prototypes and models are tactile, robust, accurate and can be very resistant to warp, temperature, UV, or moisture. One example – motorsport customers who already use ARKePro to print moulds for autoclave manufacture of carbon fiber parts.

GEOGRAPHIC INFORMATION SYSTEMS (GIS)

Whether engaged in emergency planning or response, military planning, training, geologic analysis, real estate, city planning, or education, 3D printed GIS models revolutionize the way you can use and communicate with GIS data. 3D full color 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. ARKePro can print accurate and tactile bright white or colored 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 ARKePro 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, and improve patient outcomes, and offer clearer communication between team members, clients and patients.

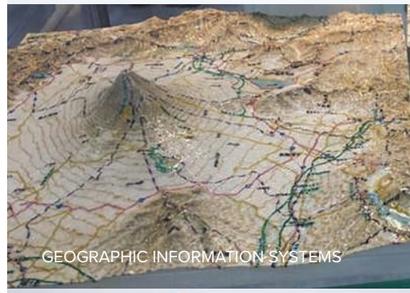
EDUCATION

3D printing helps schools, colleges and universities provide more enriching learning and advance ideas and innovation across multiple disciplines, including engineering, medical, and fine arts. ARKePro is classroom ready because of its unique material and process, which makes it totally safe to use in a classroom environment. With some training and support, the ARKePro 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.

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 labor-intensive, costly and often inaccurate. The ARKePro enables the media industry and prop makers to save time when dealing with short deadlines. The ARKePro 3D printer can transform any 3D digital data into accurate physical 3D models in full color — eliminating the need for time-consuming traditional modelling and painting processes.

MANUFACTURING AND INDUSTRIAL



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