PIOCREAT



SCOLIOSIS 3D PRINTING SOLUTIONS

Build a Beautiful Body

ABOUT PIOCREAT

Shenzhen PioCreat 3D Technology Co., Ltd. was established in 2015, specializing in the R&D and production of 3D printing equipment, software, and consumables. Since its inception, the company has developed its own independent intellectual property rights through in-house innovation and is committed to providing high-quality, comprehensive 3D printing solutions for creators worldwide.


高新技术企业
证书
企业名称：深圳市创想三帝科技有限公司
证书编号：GR202344204893
发证时间：二〇二三年十一月十五日
有 效 期：三年
批准机关：

Certificate of High and New Technology Enterprise

1800
Corporate Customers

150
Professional R&D staffs

60
3D Printing Patents



PIOCREAT

PATENTS & QUALICATION



























CR-Scan Otter

High-precision 3D scanner

Various Size Options

Innovative Four-lens Stereo Vision
Proficient in handling both large and small scans.

Capture SMALL & BIG Objects

The CR-Scan Otter realizes possibilities of scanning various objects, ranging in size from 10×10×10mm to 2000×2000×2000mm

Elevate Scanning Experience

Ring indicator lights provide real-time scanning status; CR-Scan Otter comes with touch buttons and audible feedback, making scanning seamless.



Full-Color Scanning, True-to-Life Reproduction

24-bit Full-Color Scanning.
Clear Capture with Built-in Lights.

Ultra-High Precision, Rich in Detail

The scanning precision up to 0.02mm ensures every detail is sharp and clear.

Cross-platform Compatibility, Powerful Features

Cross-platform(Windows, macOS) operation, easy to use.

Accuracy	Up to 0.02mm @ 60mm[1]	Color Supplemental Light	2 white LEDS
3D Resolution	0.05-2mm	Marker Recognition Enhancement	8 infrared LEDS
Scanning Speed	Up to 20fps	Laser Safety	Class I (eye safe)
Min. Scan Volume	10mm×10mm×10mm	System Support	Windows/macOS
Single Capture Range	Max. 1350×840mm@1000mm	Wireless Scanning	Supported
Technology	Infrared structured light	Operating Temperature	-10°C to 40°C
Working Distance	110mm-1000mm	Operating Humidity	0-90% RH
Color Mapping	YES	Input Power	5V 3A
Alignment Modes	Geometry/Marker/Texture	Data Interface	Type C/USB3.0/USB2.0
Output Format	OBJ/STL/PLY	Device Dimensions	165×37×59mm
IMU	YES	Device Weight	390g

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Scanner Scan Bridge



Data Collection

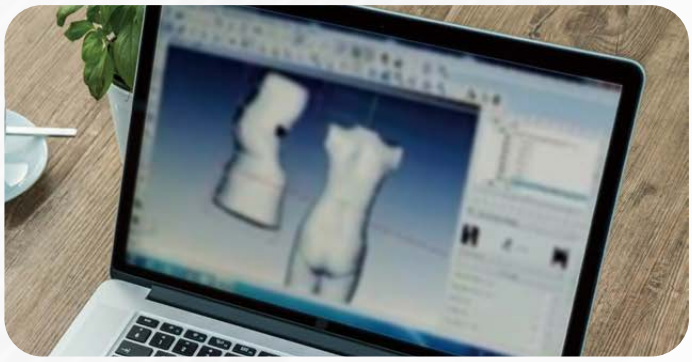
Body Scanning in 1 Minutes

- Equipped with unique face mapping algorithm
- Capture more details accurately and quickly
- Generates 3D data in real time
- Self-contained battery, wireless data transmission
- Supports cell phone scanning
- No need to learn, easy to get started





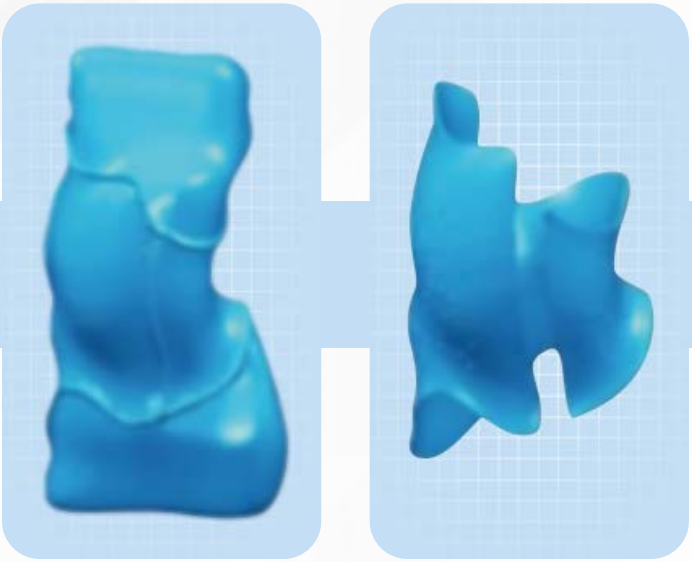
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Scanned Body Table stl. Data



X-ray Analysis



Orthotic Design

Importing Piocreat Slicer for Slicing



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MS01

FGF 3D Printer for Scoliosis



Support for High-tempmaterials

The nozzle temperature reaches 400°C

Fully Enclosed Case

Ensures a constant temperature environment up to 100°C,making the printed models more stable

Supports All Types of Orthotics

Printing size：500×500×650mm

Material Break Detection

Automatically pauses when out of material, resumes printing when new material is fed





Molding technology	FGF	Printing accuracy	100±0.1mm
Pellet diameter	2-5mm	Print size	500×500×650mm
Screw extruder	Discharging mechanism	Machine size	870×970×1521mm
Nozzle tem	≤400°C	Package size	1036×990×1670mm
Heating bed tem	≤110°C	N.W.	274KG
Chamber tem	≤100°C	G.W.	324KG
Nozzle diameter	1.0mm (2.0、3.0、4.0mm optional)	Language	中文/English
Number of nozzles	1	Operating system	Piocreat_slicer (Win7 or above X64, Mac)
Printing material	High temperature composite material	Rated voltage	100-120V~/200-240V~, 50/60Hz
Connection method	USB disk	Rated power	4200W

PIOCREAT

Customized Spinal Orthosis



High-performance Special Material

Good toughness and resistance to falling and bending

Highly Customized Perfect Fit

Tailored to fit just right

Lightweight Material

Low material density and overall light weight

Breathable and Comfortable

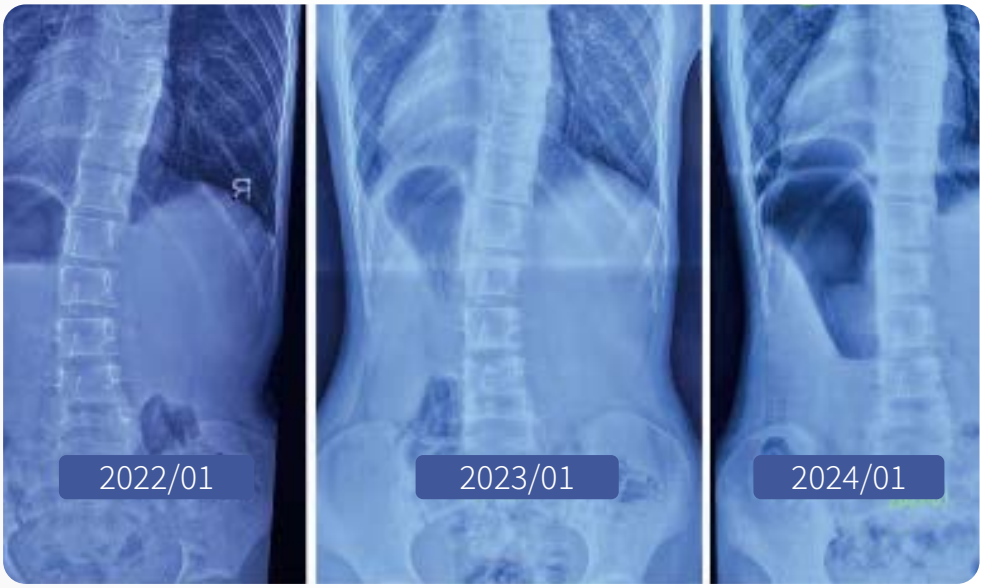
Multiple printed holes for beauty and breathability.

Personalization

Can be customized with exclusive logo pattern and text







www.piocreat3d.com

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