

PRODUCT CATALOGUE





The Resin Solutions

HIGH-PERFORMANCE RESIN FOR EVERY APPLICATION

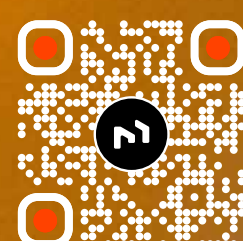
BY SENERTEK



Innovation
Collaboration
Education
Quality



Dentsprint.com
Info@dentsprint.com





P Crown V4

DENTSPRINT'S ULTIMATE PERMANENT DENTAL RESIN

BY SENERTEK



Innovation
Collaboration
Education
Quality

NEW INDUSTRY STANDARD FOR

STRENGTH AESTHETICS PRECISION



P – Crown V4

The new industry standard



THE NEXT GENERATION OF DENTAL RESTORATIONS

Dentsprint’s Permanent Resin, engineered to set a new industry standard for strength, aesthetics, and precision. This premium resin delivers unmatched durability, perfect for permanent restorations like crowns, bridges, and custom abutments.

- **CE certified printing resin:** for permanent single crowns, inlays, onlays and veneers
- **Unmatched Strength and Longevity:** Formulated for superior durability and resistance to chipping and wear, ensuring that restorations are built to last.
- **Exceptional Aesthetics:** With lifelike translucency and customizable shades, our resin blends seamlessly with natural teeth for a truly natural look.
- **Biocompatible and Safe:** Bicompatible medicale **classIIa** resin with high strenght, high surface hardness and low shrinkage.
- **Precision and Efficiency:** Optimized for seamless 3D printing, allowing dentists to create precise restorations faster, enhancing patient experiences.
- **Radiopaque for Enhanced Diagnostics:** Easily identifiable on X-rays, ensuring accurate monitoring and improved long-term care.

Property	Standard		product
Flexural strength	ISO10477		460.00 Mpa
Flexural modulus	ISO10477		> 10500 Mpa
Water sorption	ISO10477		< 1.0 µg/mm3
Water solubility	ISO187		< 0.08 µg/mm3
Surface Hardness	ISO187	≥ 95 Shore D	95
Viscosity	N/A	N/A	≈ 4500 cps
Cytotoxicity test	ISO10993 -5	Non-cytotoxic	Comply
Irritation test	ISO10993 -10	Cause no irritation	Comply
Sensitization test	ISO10993 -10	Cause no sensitivity	Comply
Acute systemic toxicity	ISO10993 -11	Cause no acute systemic toxicity	Comply
Genotoxicity test	ISO10993 -3	Cause no genotoxicity	Comply

A comparison of **flexural strength** among leading dental material currently available on the market

460 MPa



P – Crown V4



Other Compatetors

120 – 170

The comparison indicates that Senertek resin stands out as the most durable and reliable permanent material available on the market.

Cases



Radiopaque for Enhanced Diagnostics: Easily identifiable on X-rays, ensuring accurate monitoring and improved long-term care.

Flexo Denture V3

Strong
Durable
Flexible



PARTIAL DENTURE BASE WITH ULTRA HIGH DIMENSIONS

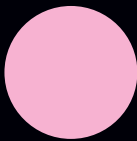
A biocompatible nano-resin designed for 3D printing flexible partial denture base. Compatible with DLP, LCD, and SLA printers, this Class IIa medical-certified resin offers ceramic content for enhanced strength and flexibility. CE-certified for professional manufacturing.

Class IIa (42/93/EEC)

Shades



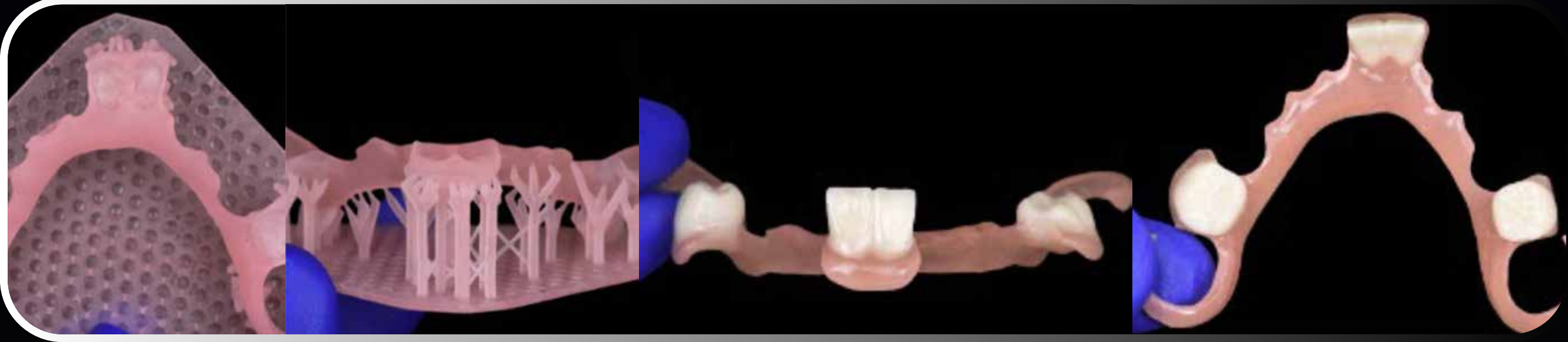
Opaque pink



Transparent pink

Property	Standard	Requirement	Product
Ultimate Flex Strength	ISO 20795-1	≥ 65 Mpa	110.00 Mpa
Flexural modulus	ISO 20795-1	≥ 2000 Mpa	3200 Mpa
Water sorption	ISO 20795-1	≤ 1.6 µg/mm3	< 0.1 µg/mm3
Water solubility	ISO 20795-1	≤ 32 µg/mm3	20
Residual Monomer	ISO 20795-1	≤ 2.2 % (w/w)	< 0.06
Cytotoxicity Test	ISO 10993 -1	Non-cytotoxic	Comply
Irritation Test	ISO 10993 -1	Non-mutagenic	Comply
Sensitization Test	ISO 10993 -1	Not a sensitizer	Comply
Acute Systemic Toxicity	ISO 10993 -3	Cause no acute systemic toxicity	Comply
Genotoxicity Test	ISO 10993 -3	Not ind. any erythema or edeme reaction	Comply

Cases



Denture Base V3

High Impact
Strong
Durable



OFFERING SUPERIOR STRENGTH FOR LONG-LASTING, HIGH-PERFORMANCE DENTURES

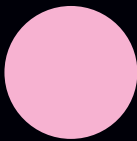
A biocompatible nano-resin designed for 3D printing denture bases. Compatible with DLP, LCD, and SLA printers, this Class IIa medical-certified resin offers ceramic content for enhanced strength CE-certified for professional manufacturing.

Class IIa (42/93/EEC)

Shades



Opaque pink



Transparent pink

Property	Standard	Requirement	Product
Ultimate Flex Strength	ISO 20795-1	≥ 65 Mpa	130.00 Mpa
Flexural modulus	ISO 20795-1	≥ 2000 Mpa	3050 Mpa
Water sorption	ISO 20795-1	≤ 1.6 µg/mm3	< 0.1 µg/mm3
Water solubility	ISO 20795-1	≤ 32 µg/mm3	25
Residual Monomer	ISO 20795-1	≤ 2.2 % (w/w)	< 0.1
Cytotoxicity Test	ISO 10993 -1	Non-cytotoxic	Comply
Irritation Test	ISO 10993 -1	Non-mutagenic	Comply
Sensitization Test	ISO 10993 -1	Not a sensitizer	Comply
Acute Systemic Toxicity	ISO 10993 -1	Cause no acute systemic toxicity	Comply
Genotoxicity Test	ISO 10993 -3	Not ind. any erythema or edeme reaction	Comply

Cases



Clear Aligner

Seamless Fit
Durable
Uncompromising Clarity



REVOLUTIONARY SHAPE MEMORY FOR PERFECT, LONG-LASTING ALIGNMENT

Biocompatible resin developed expressly for Clear Aligners production, CE Certified for all medical applications, compatible with DLP and LCD printers for highly precise results.

Class IIa (93/42/EEC)

Property	Standard	Requirement	Product
Ultimate Flex Strength	ISO 20795-1		≥ 68
Flexural modulus	ISO 20795-1		≥ 1600
Residual Monomer	ISO 20795-1	≤ 2.2 % (w/w)	< 0.05
Cytotoxicity Test	ISO 10993 -5	Non-cytotoxic	Comply
Irritation Test	ISO 10993 -10	Non-mutagenic	Comply
Sensitization Test	ISO 10993 -10	Not a sensitizer	Comply
Acute Systemic Toxicity	ISO 10993 -11	Cause no acute systemic toxicity	Comply
Genotoxicity Test	ISO 10993 -3	Cause no genotoxicity	Comply

Cases



Surgical Guide

Flawless
Precision
Accuracy



UNMATCHED ACCURACY FOR FLAWLESS SURGICAL PRECISION

Biocompatible resin specifically developed for Surgical Guide production, CE certified for medical applications, and compatible with DLP and LCD printers for superior precision

Class IIa (93/42/EEC)

Property	Standard	Requirement	Product
Ultimate Flex Strength	ISO 20795-1		≥ 90 Mpa
Flexural modulus	ISO 20795-1		≥ 2000
Residual Monomer	ISO 20795-1	≤ 2.2 % (w/w)	< 0.05
Cytotoxicity Test	ISO 10993 -5	Non-cytotoxic	Comply
Irritation Test	ISO 10993 -10	Non-mutagenic	Comply
Sensitization Test	ISO 10993 -10	Not a sensitizer	Comply
Acute Systemic Toxicity	ISO 10993 -11	Cause no acute systemic toxicity	Comply
Genotoxicity Test	ISO 10993 -3	Cause no genotoxicity	Comply

Cases



Snap On Smile

Aesthetic
Flexible
Natural



RADIOPAQUE – CLASS IIA CERTIFIED FOR TEMPORARY SNAP-ON SMILE APPLICATIONS

Biocompatible, high strength, low shrinkage, and high surface hardness for temporary restorations – compatible with 3D printers (LCD, SLA, DLP).

Class IIa (93/42/EEC)

Property	Standard	Requirement	product
Flexural strength	ISO10477	≥ 50 Mpa	100.00 Mpa
Water sorption	ISO10477	≤ 40 µg/mm3	< 20 µg/mm3
Water solubility	ISO187	≤ 7.4 µg/mm3	< 1.2 µg/mm3
Surface Hardness	ISO187	≥ 80 Shore D	95
Viscosity	N/A	N/A	≈ 1500 cps
Cytotoxicity test	ISO10993 -5	Non-cytotoxic	Comply
Irritation test	ISO10993 -10	Cause no irritation	Comply
Sensitization test	ISO10993 -10	Cause no sensitivity	Comply
Acute systemic toxicity	ISO10993 -11	Cause no acute systemic toxicity	Comply
Genotoxicity test	ISO10993 -3	Cause no genotoxicity	Comply

Cases



Splint V2

Flawless
Precision
Accuracy



UNMATCHED ACCURACY FOR FLAWLESS SPLINT PRECISION

Biocompatible resin developed expressly for splint production, CE certified for all medical applications, compatible with DLP and LCD printers for unmatched precision.

Class IIa (93/42/EEC)

Shades



Clear colorless



Blue clear

Property	Standard	Requirement	Product
Ultimate Flex Strength	ISO 20795-1	≥ 50 Mpa	≥ 105 Mpa
Flexural modulus	ISO 20795-1	≥ 1300 Mpa	≥ 2100
Residual Monomer	ISO 20795-1	≤ 2.2 % (w/w)	< 0.05
Cytotoxicity Test	ISO 10993 -5	Non-cytotoxic	Comply
Irritation Test	ISO 10993 -10	Non-mutagenic	Comply
Sensitization Test	ISO 10993 -10	Not a sensitizer	Comply
Acute Systemic Toxicity	ISO 10993 -11	Cause no acute systemic toxicity	Comply
Genotoxicity Test	ISO 10993 -3	Cause no genotoxicity	Comply

Cases



Splint Flex

Flawless
Precision
Accuracy



UNMATCHED ACCURACY FOR FLAWLESS FLEXIBLE SPLINT PRECISION

Biocompatible resin developed expressly for flexible splint production, CE certified for all medical applications, compatible with DLP and LCD printers for unmatched precision.

Class IIa (93/42/EEC)

Shades



Clear colorless



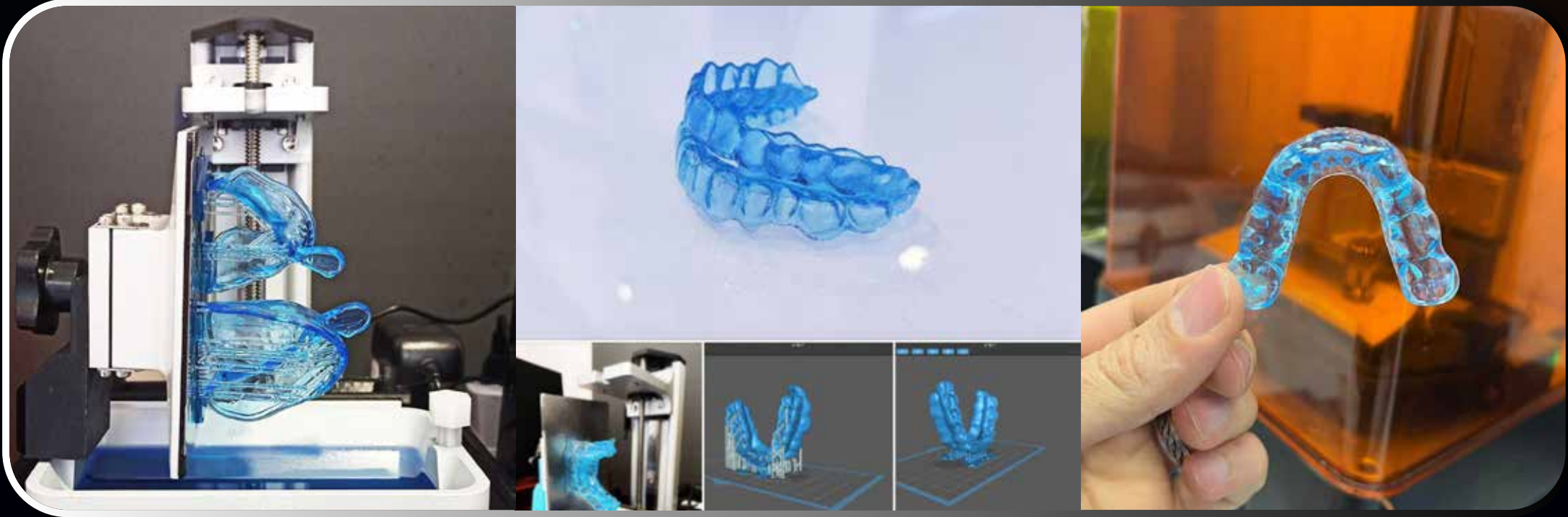
Purple clear



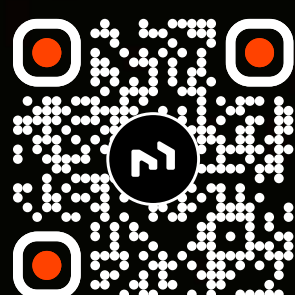
Blue clear

Property	Standard	Requirement	Product
Tensil strength	ASTMD638		≥ 58 Mpa
Flexural strength	ISO 20795-2		≥ 4.9 – 2.8M
Flexural strength	ASTMD790		1500
Residual Monomer	ASTMD638		< 1900
Cytotoxicity Test	ISO 10993 -5	Non-cytotoxic	Comply
Irritation Test	ISO 10993 -10	Non-mutagenic	Comply
Sensitization Test	ISO 10993 -10	Not a sensitizer	Comply
Acute Systemic Toxicity	ISO 10993 -11	Cause no acute systemic toxicity	Comply
Genotoxicity Test	ISO 10993 -3	Cause no genotoxicity	Comply

Cases



Printers



Dentsprint.com
Info@dentsprint.com

Innovation
Collaboration
Education
Quality

Phrozen Sonic Mini 8K S

Made
Affordable
to Everyone



LCD	10-inch 12K Mono LCD
Net Weight	10KG
Z Axis Accuracy	0.02mm
XY Resolution	22μm
Slicer Software	Chitubox, Lychee, VoxelDance Tango
Build Volume	165mm(L)*720mm(W)*170mm(H)
Power Requirements	240-100V 60/50 Hz 24V 2A
Printer Dimensions	327.4mm(L)*329.2mm(W)*548mm(H)
Printing Speed	MAX 80mm/H
Connectivity	USB Interface & WiFi

Elgeoo Saturn 4 Ultra – 14K

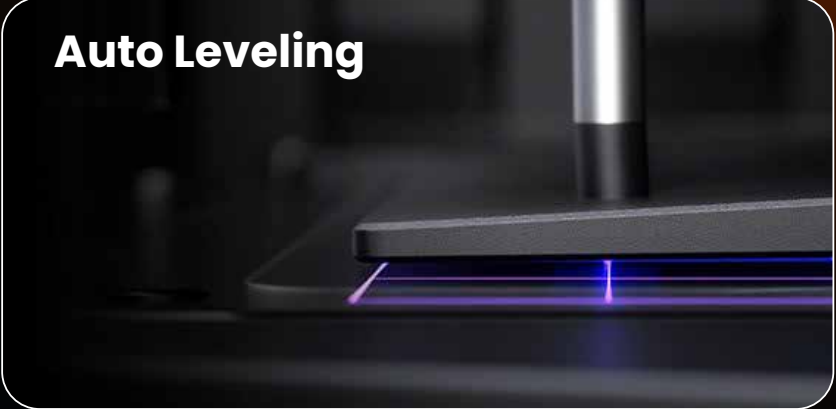
Speed.
Precision.
Reliability.



Unmatched
Details With 12K



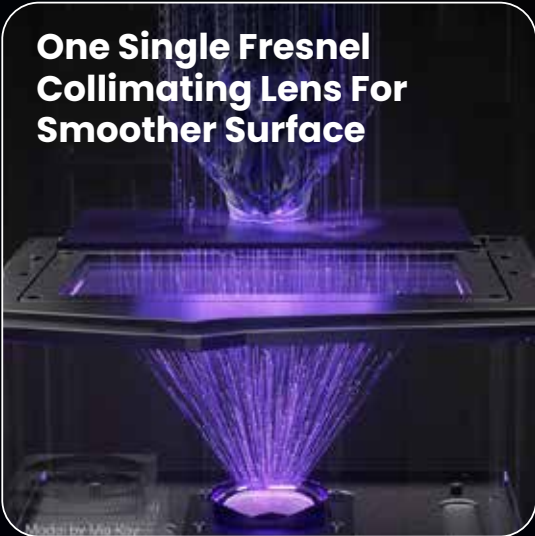
Auto Leveling



Tilt Release



One Single Fresnel
Collimating Lens For
Smoother Surface



Self-Check &
Automatic



Smart
Mechanical
Sensor, Enjoy



Smart Camera failed
prints



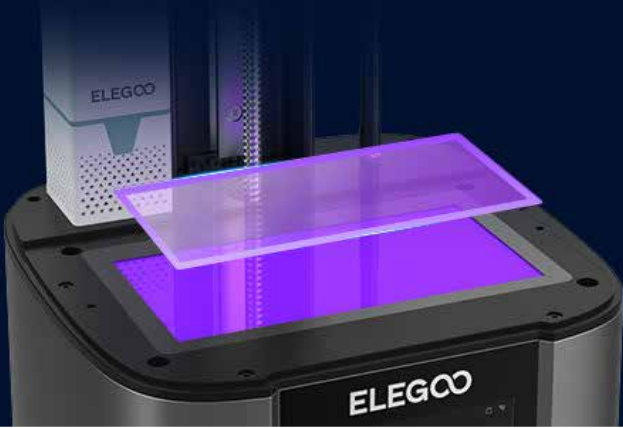
LCD	10-inch 12K Mono LCD
Net Weight	14.5KG
Z Axis Accuracy	0.02mm
XY Resolution	24*19um (5120*11520)
Slicer Software	ChituBox & Autodesk Fusion
Build Volume	218.88mm(L)*122.88mm(W)*220mm(H)
Power Requirements	240-100V 60/50 Hz 24V 6A
Printer Dimensions	327.4mm(L)*329.2mm(W)*548mm(H)
Printing Speed	MAX 150mm/H
Connectivity	USB Interface & WiFi

Elgeoo MARS 4 Ultra – 9K

The Value.



7-Inch With 9K Mono LCD



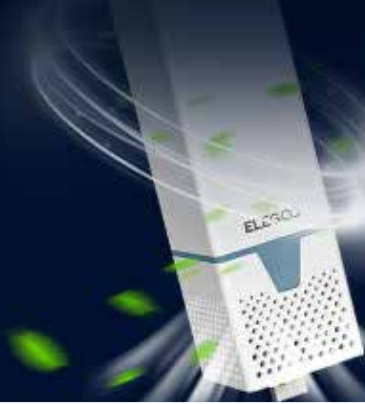
Smoother Lifting Rail



One Single Fresnel Collimating Lens For Smoother Surface



Upgraded Air Purifier for safe



Wi-Fi Cluster Printing, Redefining Efficiency And Productivity



Effortless Leveling



LCD	7-inch 9K Mono LCD
Net Weight	6.5 kg
Z Axis Accuracy	0.02mm
XY Resolution	18 μm (8520x4320)
Slicer Software	ChituBox & Autodesk Fusion
Build Volume	218.88mm(L)*122.88mm(W)*220mm(H)
Power Requirements	240-100V 60/50 Hz 24V 3A
Printer Dimensions	227 x 227 x 443.5 mm³
Printing Speed	MAX 150mm/H
Connectivity	USB Interface & WiFi