ELEGOO

Enjoy 3D Printing with Elegoo

ELEGOO



Choose Your Filament Type

Get Creative with FDM Printing

PLA Series

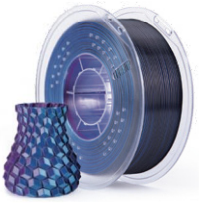
Easy to Print, Great for Everyday Use



PLA

- Easy to print, low warping, good surface finish
- Beginners, prototypes, decorative prints
- Low heat resistance; not ideal for outdoor or high-stress use





Silk PLA

- Same printability as PLA, but with a glossy, silky finish
- Display models, art pieces, cosplay, figurines
- Focuses more on aesthetics than mechanical strength

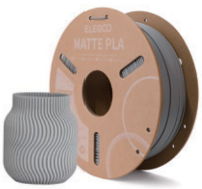




Rapid PLA+

- Prints faster than standard PLA, with wide compatibility
- Faster prototyping without compromising print quality
- Slightly more durable and less brittle than standard PLA





PLA Matte

- Matte surface texture hides layer lines and fingerprints
- Architectural models, professional-looking designs
- Smoother surface than standard PLA; less glossy





PLA Pro

- Improved durability and temperature resistance
- Prints that need more strength or longevity than standard PLA
- Bridges the gap between beginner-friendly PLA and tougher materials like PETG



PLA Wood

- PLA with wood fibers for a natural wood-like look
- Decorative models, crafts, architectural mockups
- Slight nozzle wear over long use



PLA Metallic

- Metal-like PLA with a smooth reflective finish
- Display models, visual prototypes, premium parts
- Slightly abrasive; hardened nozzle recommended



PLA Marble

- Stone-style PLA with marble-like speckled effect
- Sculptures, art pieces, aesthetic models
- Each print has natural color variation



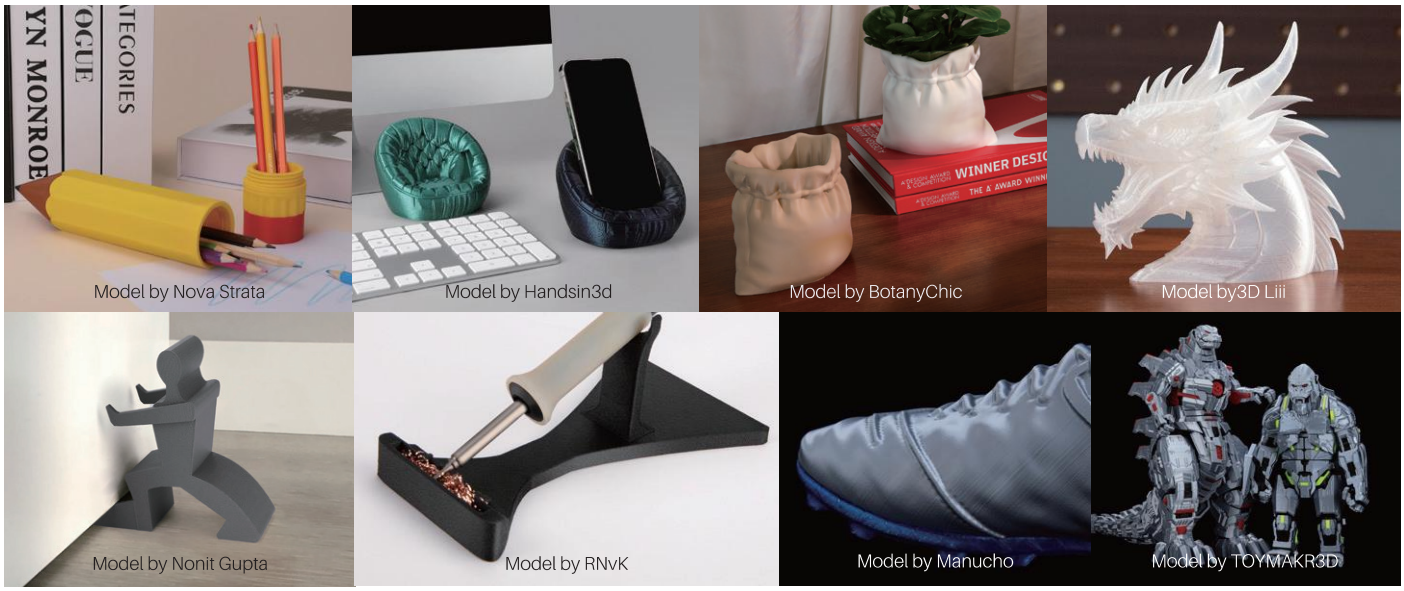
PLA Glow

- Glow-in-the-dark PLA that emits light after exposure
- Safety markers, toys, creative night designs
- Requires strong light charging for best glow



PLA (RFID) emoji® Brand Edition

- PLA with the emoji® brand style spool
- Everyday projects, education, DIY, prototypes
- Needs CANVAS system for RFID identification



Advanced Performance Series

Outdoor-Ready & High Durability



ASA

- UV-resistant, weatherproof, durable
- Outdoor parts, automotive components
- Less warping and better sunlight resistance



ABS

- Strong, heat-resistant material with high impact strength
- Functional parts, housings, mechanical components
- Warping risk; enclosure recommended

Flame-Retardant



PC-FR

- Flame-retardant PC with high strength and heat resistance
- Electrical enclosures, industrial parts
- Requires a high-temp stable printing environment



Flexible Material



TPU

- Rubber-like flexibility, impact-resistant, bendable
- Phone cases, gaskets, wearables, toys
- Prints more slowly and requires fine-tuned settings





Rapid TPU

- Flexible TPU with high elasticity and fast printing
- Wearables, protective parts, flexible components
- Lower retraction needed to reduce stringing



Fiber-Reinforced Series

Engineered for Strength and Stability



PLA-CF

- Added rigidity and a smooth matte finish
- Visual prototypes, display models, etc.
- Prioritizes appearance and stiffness



PETG-CF

- Tough, rigid filament with a matte, industrial surface
- Functional parts, everyday-use tools, etc.
- More heat-resistant. Recommends a hardened nozzle



PETG-GF

- High stiffness and excellent dimensional stability
- Structural parts and precision-fit components
- More stable and less flexible than PETG-CF



PAHT-CF

- Exceptional strength and heat resistance
- Load-bearing parts and high-temp applications
- Requires advanced printing setup



PET-CF

- Carbon fiber reinforced PET with high stiffness
- Structural parts, load-bearing prototypes
- Highly abrasive; hardened nozzle required

PETG Series

Stronger, More Heat-Resistant



Rapid PETG

- More durable and weather-resistant than PLA
- Functional prints, outdoor use, containers
- Less brittle, less-tangle and neatly wound



PETG Pro

- Tougher and more precise than standard PETG
- Engineering parts, protective housings, etc.
- Balanced strength, flexibility, and surface finish



PETG Translucent

- Durable PETG with semi-transparent finish
- Functional parts, light diffusion, containers
- Sensitive to over-extrusion; tuning required for clarity

Company Profile

Founded in 2015, ELEGOO is a leading brand in global smart manufacturing industry, specializing in R&D, manufacturing, and sales of consumer-grade 3D printers, laser engravers, STEM kits, and other smart technology products. Located in Shenzhen, the Silicon Valley of China, the company has sold millions of products to 150 countries and regions. In 2025, the company's total sales revenue has exceeded USD 300 million, with over 1000 employees and 50,000 square meters of office and manufacturing area. With a focus on programming and 3D printing technology, ELEGOO provides unique and smart creation spaces for diverse consumers to enhance personalized experiences.

Company Scale

1000+
Employees

150+
Countries & Regions

2M
Printers Sold

Patents & Awards

281
Authorized Patents

80+
Global Awards & Recognitions

- iF Design Award: Centauri Carbon
- Red Dot Design Award: Mars 5 Ultra
- Future Innovation Awards: OrangeStorm Giga
- Next Big Things in Tech: Saturn 4 Ultra
- A' Design Award-Platinum: Centauri Carbon / Mars 5 Ultra
- The Good Design Award: Orangestorm Giga
- Muse Design Awards-Gold: Centauri Carbon / Mars 5 Ultra
- National Specialized and Sophisticated SMEs "Little Giant"
- How-to Geek-Editor's Choice: Centauri Carbon
- Centauri Carbon / Neptune / Saturn / Mars / Jupiter
- Centauri Carbon / Neptune / Saturn / Mars
- Saturn 4 Ultra
- All3DP-Best 3D Printer: Saturn 4 Ultra
- MakeUseOf-Editor's Choice: Centauri Carbon
- GamesRadar-Editor' Choice: Centauri Carbon