



3D PEN CORE RP100B

The **3D Pen Core RP100B** is a 3D printing pen that allows users to create three-dimensional objects by extruding heated plastic filament. Here are some key features and details about the **RP100B**:

Key Features:

1. Temperature Control:

- Adjustable temperature settings for different types of filament (e.g., PLA or ABS).
- LCD screen to display the current temperature.

2. Filament Compatibility:

- Works with **1.75mm PLA and ABS filaments**.
- PLA is eco-friendly and biodegradable, while ABS is more durable and heat-resistant.

3. Speed Control:

- Adjustable speed settings to control the flow of the filament for precision or faster drawing.

4. Ergonomic Design:

- Lightweight and comfortable to hold, making it suitable for extended use.

5. Power Supply:

- Powered via a USB cable (typically 5V/2A).
- Can be used with a power bank for portability.

6. Safety Features:

- Auto sleep mode to prevent overheating.
- Nozzle cover to protect users from burns.

7. Ease of Use:

- Simple controls for beginners and hobbyists.
- No software or complicated setup required.

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Common Uses:

- **Art and Design:** Create 3D drawings, sculptures, or decorations.
- **Repairs:** Fix broken plastic items by welding parts together.
- **Education:** Teach kids and students about 3D design and creativity.
- **DIY Projects:** Enhance crafts, models, or prototypes.



Pros:

- Affordable and user-friendly.
- Portable and lightweight.
- Great for beginners and casual users.

Cons:

- Limited to small-scale projects due to manual operation.
- Requires practice to achieve precise results.
- Not suitable for heavy-duty or professional 3D printing.

Tips for Using the RP100B:

1. **Start with PLA:** PLA is easier to work with and doesn't emit strong fumes.
2. **Practice on a Flat Surface:** Begin by drawing 2D shapes before moving to 3D structures.
3. **Use Stencils:** Print or draw stencils to guide your designs.
4. **Clean the Nozzle:** Regularly clear any filament jams to maintain smooth operation.