Here are some popular **pre-trained text-to-image models** available for use, along with their key details:

**1. DALL·E (OpenAI)**

* **Description:** Generates high-quality, creative images from detailed text prompts.
* **Key Features:**
  + Supports imaginative and artistic styles.
  + Trained on diverse datasets for a wide range of outputs.
* **Applications:** Art generation, concept design, and storytelling.

**2. Stable Diffusion (Stability AI)**

* **Description:** Open-source text-to-image model designed for high-resolution images.
* **Key Features:**
  + Fully customizable with fine-tuning options.
  + Widely adopted for applications in art, ads, and media.
* **Applications:** Versatile, used in creative industries and AI art tools.

**3. Imagen (Google Research)**

* **Description:** Highly photorealistic text-to-image model.
* **Key Features:**
  + Focuses on generating highly accurate and detailed images.
  + Achieves state-of-the-art results with Google’s advanced AI architecture.
* **Applications:** Visual storytelling, research, and marketing.

**4. Parti (Pathways Autoregressive Text-to-Image, Google)**

* **Description:** Text-to-image model with an autoregressive approach.
* **Key Features:**
  + Highly scalable.
  + Focused on artistic and realistic rendering.
* **Applications:** Concept generation, entertainment, and game design.

**5. CogView (Tsinghua University)**

* **Description:** Chinese-developed model for text-to-image generation.
* **Key Features:**
  + Supports multi-modal inputs, including Chinese prompts.
  + Excels in cultural-specific artworks.
* **Applications:** Art creation and cultural-specific design projects.

**6. DeepAI Text-to-Image**

* **Description:** A simpler, web-based model for generating art from text.
* **Key Features:**
  + Quick and accessible.
  + User-friendly for beginners.
* **Applications:** Creative experiments and prototyping.

**7. Artbreeder Collager**

* **Description:** Combines text and user-uploaded sketches to create complex scenes.
* **Key Features:**
  + Allows iterative editing.
  + Focused on collaborative creation.
* **Applications:** Character design and custom artworks.

**8. GLIDE (OpenAI)**

* **Description:** Diffusion model for generating images with text guidance.
* **Key Features:**
  + Lightweight and efficient compared to larger models.
  + Can refine existing images based on text.
* **Applications:** Image editing and customization.

**9. Dream by Wombo**

* **Description:** Mobile and web-based app for generating artistic visuals from text.
* **Key Features:**
  + Creative and surreal outputs.
  + Popular among hobbyists.
* **Applications:** Quick idea generation and casual use.

**10. Runway ML Gen-2**

* **Description:** Multi-modal AI tool with text-to-image and text-to-video features.
* **Key Features:**
  + Advanced video capabilities.
  + Intuitive for creators and filmmakers.
* **Applications:** Multimedia production and experimentation.