

Application Focus

Desiccators allow for storage of 3D printing filaments without worry of moisture damage

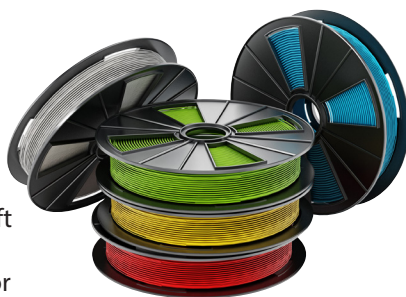
Challenge:

The quality of 3D printing filament can be compromised by moisture from the environment

Application: 3D Printing

Common filament materials used for 3D printing include nylon, polycarbonate and PETG. These materials are hygroscopic in nature and left exposed to air will absorb moisture from the environment. Therefore, proper storage is vital for maintaining quality and reducing the risk of hydrolysis.

Example: Jeff recently noticed a decrease in the quality of his 3D printed products, which are now brittle and have air bubbles. After doing some research, he found out that the quality issues were from the filaments being stored in an uncontrolled environment and absorbing water from the air over time.



Solution:

Secador 4.0 Vertical Auto-Desiccator Cabinet 89080-020, 89082-442

Secador 4.0 Vertical Auto-Desiccator Cabinets allow 3D printer users to store filament in a humidity controlled environment. Automatic desiccation and regeneration of the silica desiccant occurs every 20 minutes eliminating the need for frequent checks of the Rh level. Up to 9 rolls of filament can be stored in the Secador 4.0 Desiccator, and the models listed above are amber colored to protect UV-sensitive filaments. Cabinets in other colors (for non-UV-sensitive filaments) and sizes are also available to suit your needs.

