

Siccatus is a novel sustainable desiccant offering up to 5 times better dehumidification than current solutions.

Problem



The global dehumidifier market is set to grow from \$3.28 billion in 2023 to \$6.20 billion by 2033, driven by demand for energy-efficient solutions that address rising indoor air quality concerns. Conventional desiccants, such as silica gel, fall short in meeting modern sustainability and efficiency standards, especially in critical sectors like data centers, pharmaceuticals, and food processing.

Product



- A novel metal organic framework
- Superior water-absorbing capacity
- Over 100 regeneration cycles

Benefits



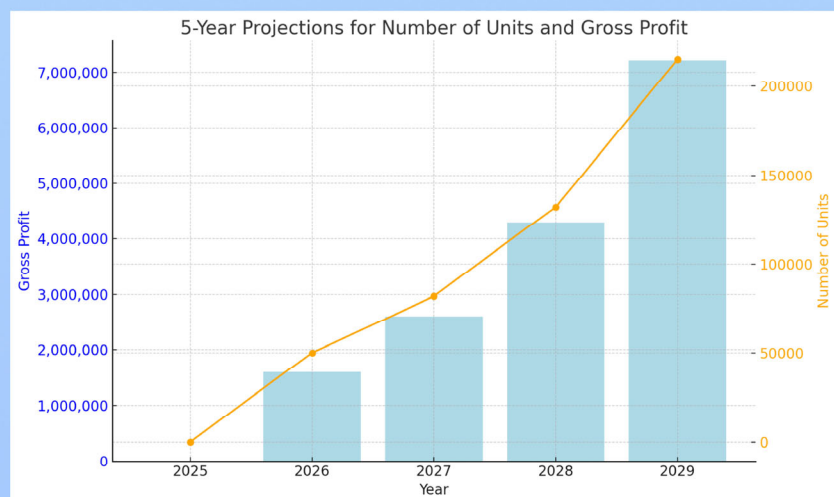
- Superior moisture absorption (up to 5x more efficient than silica gel)
- Energy efficiency (up to 3x less heat, contributing to up to 70% energy savings)
- Eco-friendly (sustainable materials)

Competition



				Indirect Competition (Daikin HVAC & Ingersoll Rand Air Dryers)
Absorption Efficiency	HIGH	MODERATE	MODERATE	LOW
Energy Requirements	LOW	HIGH	HIGH	HIGH
Cost-Effectiveness	HIGH	MODERATE	MODERATE	LOW
Environmental Impact	HIGH	LOW	MINIMAL	LOW
Durability and Maintenance	HIGH	MODERATE	MODERATE	MODERATE

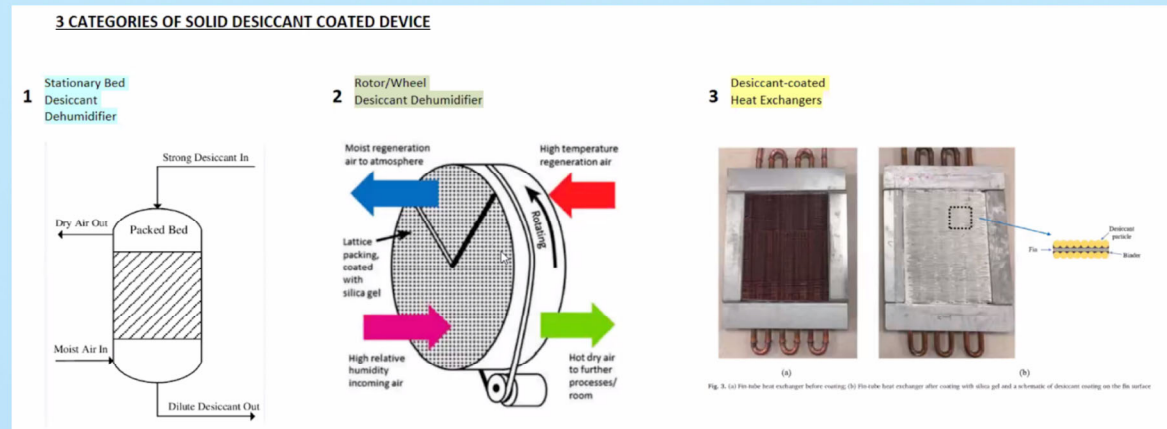
Financials



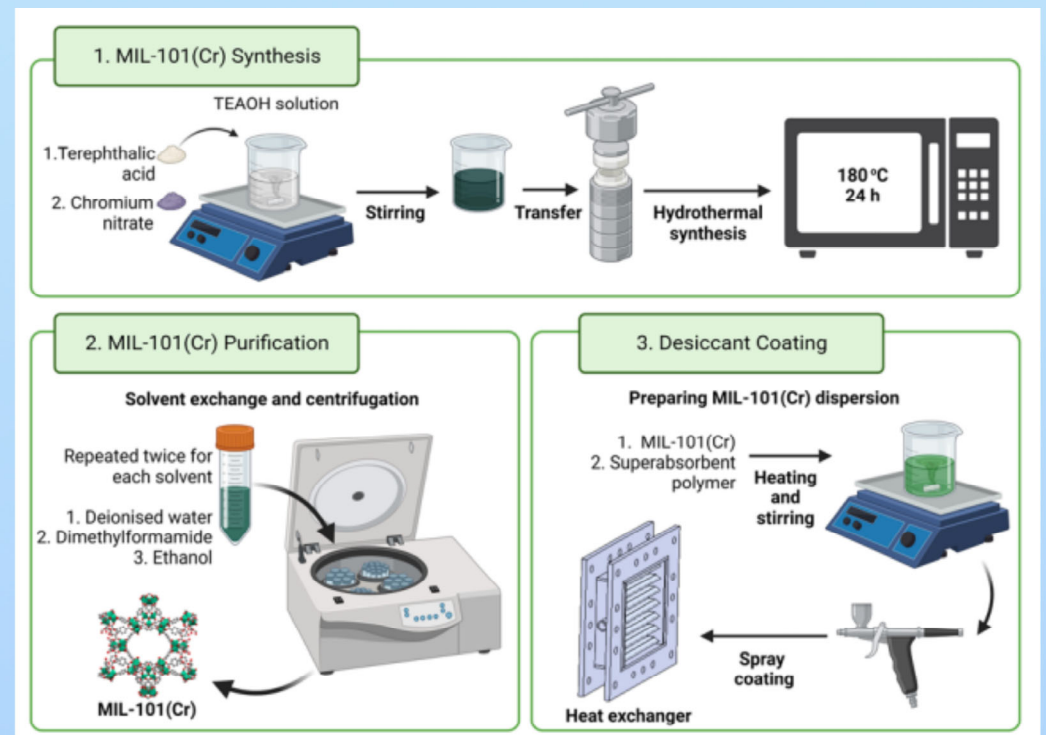
Future Applications

Semiconductor manufacturing, Food packaging, Pharmaceutical industry, Facilities and buildings, Data Centers & IT Infrastructure

Solution



Technology



Market Size



<https://www.grandviewresearch.com/industry-analysis/dehumidifier-market>

Team



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