

CASE STUDY

Brookfield Engineering – Powder Flow Tester



INDUSTRY
Test & Measurement

APPLICATION
Powder Testing

PROCESS
Injection Molding

BACKGROUND ON BROOKFIELD ENGINEERING

Brookfield Engineering, a trusted name in material characterization, specializes in rheology and texture analysis solutions for industries ranging from pharmaceuticals to food processing. Their Powder Flow Tester (PFT) is designed to measure the flow properties of powders, helping manufacturers optimize production efficiency and ensure product consistency. Brookfield Engineering's challenge was to create an enclosure that provided both durability and functionality while accommodating the precision mechanics of the testing system.

THERMOFAB'S SOLUTION

During the development cycle, Brookfield explored switching from traditional sheet metal to plastic for its instrumentation housing. Partnering with Carroll Design, a Massachusetts-based industrial design and engineering firm, Brookfield engaged ThermoFab in multiple discussions to assess the best approach. ThermoFab was ultimately selected for its proven process, experienced team, and strong endorsement from Carroll Design.

THE RESULT

The Brookfield team needed an ultra-modern look for their product, and ThermoFab delivered high-quality enclosure components that met all requirements—from crisp corners to seamless surfaces and precise part fit.

ThermoFab's manufacturing expertise and responsiveness ensured a smooth process, surpassing expectations.

Secondary processes included: painting, assembly & fabrication

