



## Enhanced Design, Small Footprint

### Brookfield Engineering Laboratories Chooses Plastic over Sheet Metal to Help Create Compact Design

#### Challenge

For over 75 years, Brookfield Engineering has been the leading manufacturer of Viscometers and Rheometers for laboratory and on-line process control applications. Its products are used in a broad range of applications and across many industries, including the development and production of food products; inks, paints, and other coatings; health and beauty aids; and in the packaging industry.

During the development cycle for a new product, the Powder Flow Tester, Brookfield decided to investigate plastic enclosures versus the sheet metal it generally used for its instrumentation housing. According to Frank Kelly, Engineering Manager, this departure from Brookfield's traditional process was based on "the fact they wanted the instrument to have a compact design and small footprint. The enclosure was four different plastic parts and required a high level of detail in the manufacturing process."

#### Solution - The Right Team, The Right Process

Working with Carroll Design, a Massachusetts-based industrial design and engineering firm, Kelly and his team met with ThermoFab on several occasions, and as a matter of due diligence, they also sent drawings out to several other manufacturers. It was ThermoFab's proprietary process, expert team, and solid recommendation from Carroll Design that solidified the project. Kelly stated, "We were looking for a high end look in this new product, and the level of detail achievable by ThermoFab - from the crisp corners to the blended surfaces to the final fit of the parts - was impressive."

#### Results

**In looking back on this project and process, Kelly and his team are confident they made the right decision to work with ThermoFab. "They were very knowledgeable and very responsive. ThermoFab delivered the high quality enclosure I required. We had to trust them to take us through this process, and they delivered."**

**Manufacturing expertise, modern design, and smaller footprint . . . what more could you ask for?**