



THE UNIVERSITY OF SOUTHERN MISSISSIPPI

June 30, 2020

ADDENDUM 1 TO BID 21-03

The purpose of this addendum is to provide clarification to some of the specifications included in bid #21-03.

Jessica Whitten
Buyer

PROCUREMENT SERVICES

118 College Drive #5003 • Hattiesburg, MS • 39406-0001

Hattiesburg • Long Beach • Ocean Springs • Biloxi • John C. Stennis Space Center



THE UNIVERSITY OF SOUTHERN MISSISSIPPI

RPM and Torque

This extruder is designed for compounding high Tg thermoplastic polymers primarily for the limits of knowledge for structural applications. Due to the nature of our work, we require versatility in terms of torque and screw speed as will be routinely modifying the base and blended polymeric materials with various shaped fillers, rheological additives and other modifiers that are expected to alter processability.

Feeder Systems

Accurate, stable, and traceable extruder feeding systems are crucial to the funded and future research and production goals. Solid material feeders must be gravimetric feed systems and the required liquid feeder can be gravimetric or utilize a flow meter design basis to insure accurate and traceable liquid material feeding. Additionally, the feed systems **must** interface with the extruder such that feeder control and data collection are compiled and coordinated on a single main control panel.

We currently have three solids feeders in our labs that will be utilized in combination and or in certain configurations singularly, along with the requested solids feed system described in this bid. The system needs to be capable of accepting additional feeders into the control system, as we will need to track all raw material input. USM will be responsible for making sure that our current units could interface with the extruder system. i.e having the correct interface board/ethernet connection.

PROCUREMENT SERVICES

118 College Drive #5003 • Hattiesburg, MS • 39406-0001

Hattiesburg • Long Beach • Ocean Springs • Biloxi • John C. Stennis Space Center