

# Gerardo Andrés Mazzei Capote

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## COVER LETTER

October 20th, 2020

To the Hiring Manager in charge of the Manufacturing Engineer position at Oerlikon:

Oerlikon's commitment to spearhead change in the Additive Manufacturing industry segment really resonates with my personal and professional goals. My name is Gerardo A. Mazzei Capote, and I am a Mechanical Engineer with expertise in a variety of polymer processing techniques and polymer-based additive manufacturing technologies, eager to prove that my profile is very compatible with the Manufacturing Engineer position at in Charlotte.

I am known between my peers as a highly versatile, proactive, and responsible research scientist who can work great in a team. During my graduate studies, I had to tackle a variety of challenges related to part design, fracture mechanics, data analysis, coding, polymer processing, and tool-pathing. In my previous position as teaching and research assistant at the Polymer Engineering Center, my organizational and communicational skills, as well as my eagerness to learn quickly proved to be valuable assets to Prof. Tim Osswald, co-director of the institute. My efforts directly resulted in high ratings from students in multiple classes taught; technical presentations at world-renowned conferences of the likes of SFF, AMUG, and RAPID+TCT; peer-reviewed publications in journals like the Additive Manufacturing journal; and the generation of active funds for the institution through preparation of multi-departmental grants, research ventures, and proposal submissions. I have also successfully managed undergraduate research assistants, and coordinated cooperative projects between universities, industry, and institutes of the likes of BMW, Netzsch, the Technical University of Munich, and the University of Lyon - ENISE.

I believe that my aptitudes can prove beneficial to the position of Manufacturing Engineer at Oerlikon, and I am very eager to demonstrate why over an interview. If my profile interests you, it would be a privilege to discuss details of career opportunities whenever it is convenient for you. Thank you for your time, and I look forward to hearing from you.

Have a great rest of your day,

Gerardo A. Mazzei Capote