

## **Beyond Binder Jetting – An Alternate Sinter Based Additive Manufacturing Technology**

Ben Arnold  
Tritone Technologies  
Rosh H'ayin, Israel

### **ABSTRACT**

As sinter-based metal additive manufacturing technologies gain traction in manufacturing applications, binder jet platforms garner the majority of headlines and press as the most common additive green part forming technology. However several new processes for green part manufacturing are emerging. This talk will highlight how one of these technologies, MoldJet, addresses several key challenges facing binder jet adoption and opens additional application space for sinter-based AM.

We will share an overview of the MoldJet technology and some test results demonstrating the potential of this technology.

### **INTRODUCTION**

Metal additive manufacturing (AM) is an important technical advancement as it offers several advantages over traditional manufacturing methods for producing metal parts. These advantages include:

1. **Design flexibility:** With metal AM, it is possible to create complex geometries and internal structures that are not possible using traditional manufacturing techniques. This can result in lighter, stronger, and more efficient parts.
2. **Cost efficiency:** Metal AM can be more cost-effective for small production runs or for producing parts with complex geometries that would be difficult or expensive to machine.