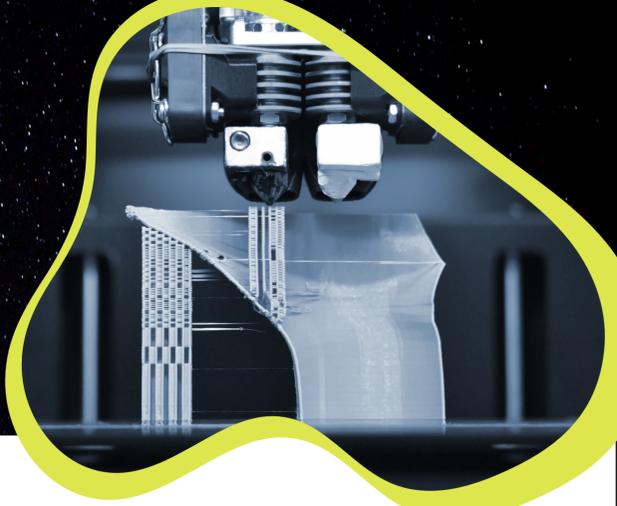


# THE GROWTH OF ADDITIVE MANUFACTURING IN AEROSPACE

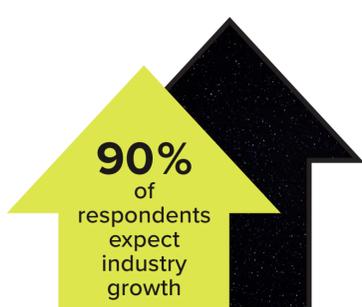


BY CARLOS M. GONZÁLEZ

The focus on additive manufacturing has shifted. Companies have embraced using AM for not just part prototyping but also for end-use applications. The industry leading the charge for AM adoption for several years now has been the aerospace and defense industry.

Aerospace and defense companies represent the largest revenue sector of AM equipment, materials, and services today. The estimated market value is close to \$3 billion. The growth of AM has been driven by both public and private sector support. In 2021, Boeing had more than 100,000 AM parts in flight. The U.S. Air Force and NASA uses AM to create unmanned autonomous vehicles and components for commercial space vehicles.

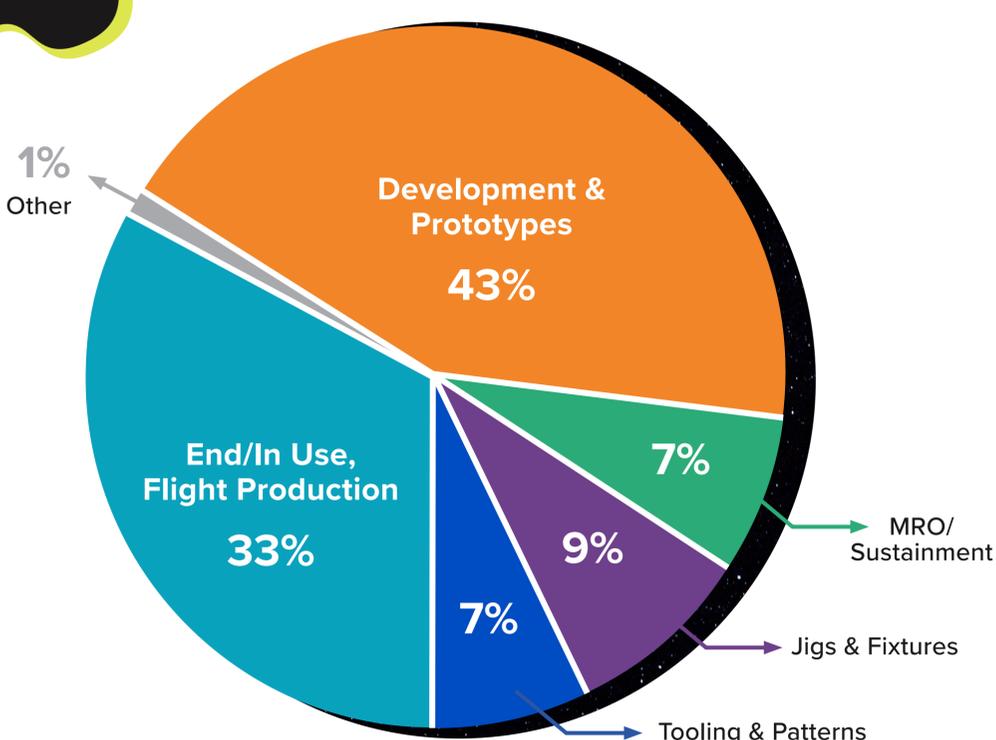
**Metrix**, an ASME company specializing in industry-leading events, recently published the *Additive Manufacturing 3D Printing Year in Review 2020-21* report. Their report collected responses from 444 industry experts that work within the aerospace AM/3D printing community. According to the survey, 90 percent of respondents expect industry growth within the following year. The areas for most significant change are development and prototypes and production, at 43 percent and 33 percent, respectively.



Explore below the latest trends within the aerospace AM/3DP community and visit [AdditiveManufacturing.com](https://www.additivemanufacturing.com) for the full report.

CHART 1

Expected Growth Areas for AM/3DP



End-Use Production Areas

CHART 2

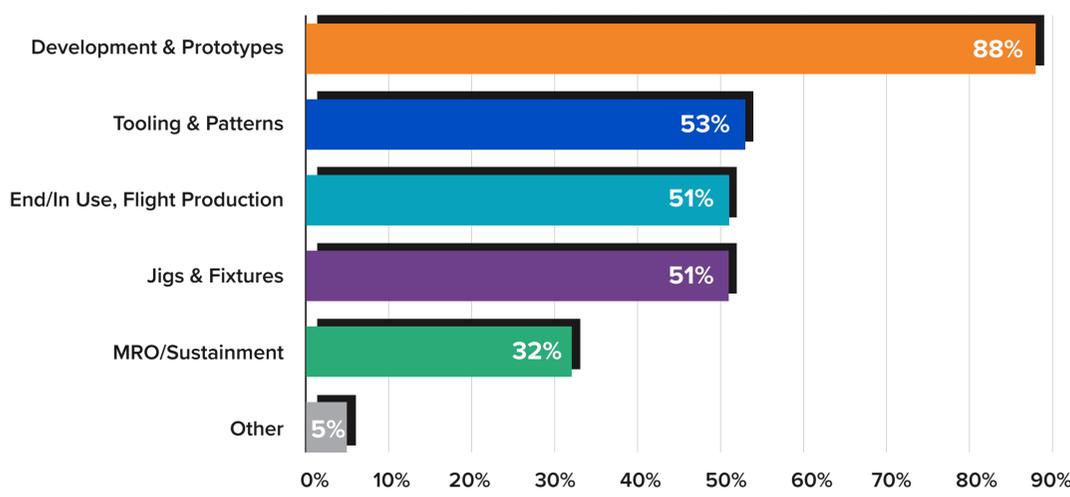
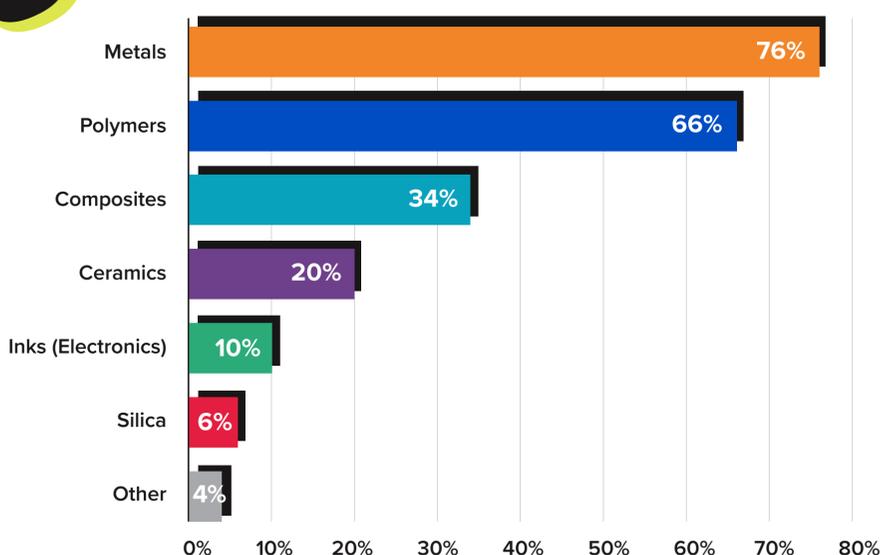


CHART 3

Most Common Materials Used



Most Common Processes Used

CHART 4

